COVANCE
THE DEVELOPMENT SERVICES COMPANY

Sponsor:

3M
St. Paul, Minnesota

FINAL REPORT

Study Title:

104-Week Dietary Chronic Toxicity and Carcinogenicity Study with Perfluorooctane Sulfonic Acid Potassium Salt (PFOS; T-6295) in Rats

Author:

Peter J. Thomford, PhD

Study Completion Date:

January 2, 2002

Testing Facility:

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

Laboratory Study Identification:

Covance 6329-183

Sponsor Study Identification:

3M T-6295

Volume I of IX

COMPLIANCE STATEMENT

104-Week Dietary Chronic Toxicity and Carcinogenicity Study with Perfluorooctane Sulfonic Acid Potassium Salt (PFOS; T-6295) in Rats

All aspects of this study were in accordance with the Good Laboratory Practice Regulations as set forth in Title 40 of the US Code of Federal Regulations Part 792, issued November 29, 1983 (effective December 29, 1983), and with any applicable amendments.

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

02 Jun 2001
Date

QUALITY ASSURANCE STATEMENT

This report, with the exception of Appendices 7 and 8, has been reviewed by the Quality Assurance Unit of Covance Laboratories Inc., in accordance with the Environmental Protection Agency (EPA) Good Laboratory Practice Standards, 40 CFR 792 . The following inspections were conducted and findings reported to the study director and study director management.

Inspection Dates		Phase	Date Reported to Study Director and Study Director Management
From	To		
04/21/98	04/21/98	Protocol Review	04/21/98
05/11/98	05/11/98	Food Consumption	05/11/98
05/14/98	05/14/98	Test Article Preparation	05/14/98
07/20/98	07/20/98	Body Weight	07/20/98
07/20/98	07/20/98	Protocol Amendment Review	07/20/98
10/19/98	10/19/98	Test Article Administration	10/19/98
01/18/99	01/18/99	Animal Observation	01/18/99
04/20/00	04/20/99	Clinical Laboratory Inspection	04/20/99
06/02/99	06/04/99	Protocol Amendment Review	06/04/99
11/08/99	11/08/99	Test Article Administration	11/08/99
02/28/00	02/28/00	Protocol Amendment Review	02/28/00
04/19/00	04/19/00	Postlife	04/19/00
05/02/00	05/22/00	Data Review	05/23/00
09/20/00	10/12/00	Data Review	10/17/00
10/10/00	11/03/00	Report Review	11/08/00
05/15/01	05/17/01	Report Review	05/17/01
12/05/01	12/13/01	Report Review	12/17/01
01/02/02	01/02/02	Protocol Amendment Review	01/02/02
01/02/02	01/02/02	Protocol Amendment Review	01/02/02

Carolyn E. Hunter
Representative
Quality Assurance Unit

02 January 2002
Date

STUDY IDENTIFICATION

104-Week Dietary Chronic Toxicity and Carcinogenicity Study with Perfluorooctane Sulfonic Acid Potassium Salt (PFOS; T-6295) in Rats

Test Material:	Perfluorooctane sulfonic acid potassium salt (PFOS; T-6295)
Sponsor:	3M Toxicology Services Building 220-2E-02, 3M Center St. Paul, Minnesota 55144-1000
Study Monitor:	Andrew M. Seacat, PhD 3M 651.575.3161
Alternate Study Monitor:	John Butenhoff, PhD, DABT 3M 651.733.5180
Study Location:	Covance Laboratories Inc. 3301 Kinsman Boulevard Madison, Wisconsin 53704-2595
Study Director:	Peter J. Thomford, PhD Covance Laboratories Inc. PO Box 7545 Madison, Wisconsin 53707-7545 608.241.7207
Study Timetable:	
Study Initiation Date:	April 15, 1998
Experimental Start Date:	April 20, 1998
Inlife End Date:	April 24, 2000
Experimental Termination Date:	December 21, 2001
Study Completion Date:	January 2, 2002

KEY PERSONNEL

104-Week Dietary Chronic Toxicity and Carcinogenicity Study with Perfluorooctane Sulfonic Acid Potassium Salt (PFOS; T-6295) in Rats

Study Director:	Peter J. Thomford, PhD
Study Toxicologist:	Thomas E. Ryan, BS
Study Coordinator:	Nii van Bruce-Konuah
Supervisor, Small-Animal Toxicology:	Pamela D. Gabris, BS, LAT
Supervisor, Dose Formulation:	Dixie Bushee, BS, LATG
Supervisor, Chemistry/Tox Support:	Mark Hoffmann, BS, MBA
Associate Director, Laboratory Animal Medicine:	Donna J. Clemons, DVM, MS Diplomate, ACLAM
Clinical Pathologist:	Robert L. Hall, DVM, PhD Diplomate, ACVP (Clinical Pathology)
Supervisor, Clinical Pathology:	Ronald Markevitch, BS, MT (ASCP)
Anatomic Pathologist:	Richard D. Alsaker, DVM, MS Diplomate, ACVP Diplomate, ABT
Supervisor, Anatomic Pathology:	Kimberly W. Durland, BS, HT
Supervisor, Anatomic Pathology:	Laurie J. Schuller, BA, LAT
Staff Scientist, Safety Assessment and Biostatistics:	Arjun Roy, MA
Principal Scientist and Biostatistician, Safety Assessment and Biostatistics:	Ajit K. Thakur, PhD
Anatomic Pathologist, Cell Proliferation:	Sandra R. Eldridge, PhD Pathology Associates International
Anatomic Pathologist, Electron Microscopy:	James B. Nold, DVM, PhD Diplomate, ACVP Pathology Associates International

CONTENTS

VOLUME I OF IX **Page**

ABSTRACT 11

PURPOSE 17

REGULATORY COMPLIANCE 17

TEST MATERIAL AND VEHICLE 17
- Test Material 17
- Vehicle 17
- Carrier 18
- Reserve (Archive) Samples 18
- Disposition 18

TEST ANIMALS AND HUSBANDRY 18
- Animals 18
- Identification 18
- Justification 19
- Husbandry 19
- Acclimation 19

PROCEDURES 20
- Major Computer Systems 20
- Group Designations and Dose Levels 20
- Dosing Procedures 21
- Dose Analysis 23
- Observation of Animals 23
- Clinical Pathology 24
- Serum PFOS Analyses 25
- Anatomic Pathology 26
- Interim Sacrifices 26
- Terminal Sacrifice 26
- Recovery Sacrifice 27
- Statistical Evaluation 30
- Survival and Tumor Analysis 30
- Record Retention 33

RESULTS AND DISCUSSION 33
- Dose Analysis 33
- Observation of Animals 34
- Clinical Pathology 36
- Anatomic Pathology 37
- Cell Proliferation Results 39

CONTENTS (Continued)

VOLUME I OF IX **Page**

RESULTS AND DISCUSSION (Continued)
Electron Microscopy Results 39
Characterization of Tumor Incidence Outcome 40

CONCLUSION 41

SIGNATURES 42

REFERENCES 43

PATHOLOGY REPORT 44

PATHOLOGY PEER REVIEW STATEMENT 52

STATISTICAL REPORT OF SURVIVAL, NONNEOPLASTIC, AND NEOPLASTIC LESIONS 56

COMMENTS ON THE DATA 93

CODES, ABBREVIATIONS, AND UNITS 96
General Codes and Abbreviations 97
Codes for Clinical Pathology 98
Abbreviations and Units for Clinical Hematology 101
Abbreviations and Units for Clinical Chemistry 103
Abbreviations and Units for Clinical Urinalysis 105
Abbreviations and Units for Urine Chemistry 106
Codes for Anatomic Pathology 107

FIGURES
1 Survival Data - Males 109
2 Survival Data - Females 110
3 Mean Body Weight Data (g) - Males 111
4 Mean Body Weight Data (g) - Females 112
5 Mean Food Consumption Data (g) - Males 113
6 Mean Food Consumption Data (g) - Females 114

TABLES
1 Results of Homogeneity Analyses (ppm) 115
2 Results of Stability Analyses (ppm) 119
3 Results of Dose Preparation Analysis (ppm) 121
4 Survival Data 132
5 Summary of Clinical Observations 150
6 Summary of Mass Observations 170

CONTENTS (Continued)

VOLUME I OF IX **Page**

TABLES
7 Summary of Body Weight Data (g) ... 176
8 Summary of Body Weight Change Data (g) ... 188
9 Summary of Food Consumption Data (g) ... 200
10 Summary of Test Material Consumption Data (mg/kg/day) ... 212
11 Summary of Clinical Hematology Data - Week 4 ... 218
12 Summary of Clinical Hematology Data - Week 14 ... 222
13 Summary of Clinical Hematology Data - Week 27 ... 226
14 Summary of Clinical Hematology Data - Week 53 ... 230
15 Summary of Clinical Chemistry Data - Week 4 ... 234
16 Summary of Clinical Chemistry Data - Week 14 (PCOAO) ... 240
17 Summary of Clinical Chemistry Data - Week 14 ... 242
18 Summary of Clinical Chemistry Data - Week 27 ... 246
19 Summary of Clinical Chemistry Data - Week 53 ... 250
20 Summary of Clinical Chemistry Data - Week 105 ... 254
21 Summary of Clinical Chemistry Data - Day 719 ... 256
22 Summary of Clinical Urinalysis Data - Week 4 ... 257
23 Summary of Clinical Urinalysis Data - Week 14 ... 259
24 Summary of Clinical Urinalysis Data - Week 27 ... 261
25 Summary of Clinical Urinalysis Data - Week 53 ... 263
26 Summary of Urine Chemistry Data - Week 4 ... 265
27 Summary of Urine Chemistry Data - Week 14 ... 267
28 Summary of Urine Chemistry Data - Week 27 ... 269
29 Summary of Urine Chemistry Data - Week 53 ... 271
30 Summary of Organ Weight Data - Week 14 Sacrifice ... 273
31 Summary of Organ Weight Data - Week 53 Sacrifice ... 303
32 Incidence of Macroscopic Observations - Week 14 Sacrifice ... 318
33 Incidence of Macroscopic Observations - Week 53 Sacrifice ... 320
34 Incidence of Macroscopic Observations - All Animals ... 333
35 Incidence of Macroscopic Observations - Recovery Sacrifice ... 357
36 Incidence of Microscopic Observations - Week 14 Interim Sacrifice ... 372
37 Incidence of Microscopic Observations - Week 53 Interim Sacrifice ... 385
38 Incidence of Microscopic Observations - Terminal Sacrifice ... 401
39 Incidence of Microscopic Observations - Unscheduled Deaths and Sacrifices ... 425
40 Incidence of Microscopic Observations - All Animals ... 460
41 Incidence of Microscopic Observations - Recovery Sacrifice ... 497

APPENDIX 1 ... 514
Protocol Deviations ... 515

CONTENTS (Continued)

VOLUME II OF IX **Page**

APPENDIX 2 520
Individual Animal Fate Data 521
Individual Clinical Observations 543

VOLUME III OF IX

APPENDIX 2 (Continued) 809
Individual Clinical Observations 810

VOLUME IV OF IX

APPENDIX 3 1257
Individual Body Weight Data (g) 1258

APPENDIX 4 1345
Individual Food Consumption Data (g) 1346
Individual Test Material Consumption Data (mg/kg/day) 1432

APPENDIX 5 1512
Individual Clinical Hematology Data 1513
Individual Clinical Chemistry Data 1585
Individual Clinical Urinalysis Data 1652
Individual Urine Chemistry Data 1724

VOLUME V OF IX

APPENDIX 6 1750
Individual Anatomic Pathology Data 1751

CONTENTS (Continued)

VOLUME VI OF IX **Page**

APPENDIX 6 (Continued) 2144
Individual Anatomic Pathology Data 2145

VOLUME VII OF IX

APPENDIX 6 (Continued) 2497
Individual Anatomic Pathology Data 2498

VOLUME VIII OF IX

APPENDIX 6 (Continued) 2855
Individual Anatomic Pathology Data 2856

VOLUME IX OF IX

APPENDIX 6 (Continued) 3455
Individual Anatomic Pathology Data 3456

APPENDIX 7 4004
Cell Proliferation Report 4005

APPENDIX 8 4029
Electron Microscopy Report 4030

ABSTRACT

The purpose of this study was to assess the chronic toxicity and carcinogenicity of Perfluorooctane sulfonic acid potassium salt (PFOS; T-6295), also referred to as T-6295, when administered in the diet to rats for at least 104 weeks. Due to excessive mortality, female animals in Group 3 were terminated during Week 103.

Male and female Crl:CD®(SD)IGS BR rats were assigned to six groups (70 animals/sex/group for Groups 1 and 5; 60 animals/sex/group for Groups 2, 3, and 4; and 40 animals/sex/group for Group 6). Each group received diets containing acetone, the vehicle (Group 1), 0.5 (Group 2), 2 (Group 3), 5 (Group 4), or 20 (Groups 5 and 6) ppm T-6295. Group 6 was placed on recovery after 52 weeks of treatment.

Food was provided *ad libitum*, except when animals were fasted. Water was provided *ad libitum*. The animals were observed twice daily (a.m. and p.m.) for mortality and moribundity; findings were recorded as they were observed. At least once prior to treatment and weekly thereafter, each animal was removed from its cage and examined; abnormal findings or an indication of normal was recorded. Body weight data were collected weekly through Week 17, once every 4 weeks thereafter, and at Week 105. Food consumption data were collected weekly for the first 16 weeks and once every 4 weeks thereafter. During Weeks 4, 14, 27, and 53, blood and urine were collected for hematology, clinical chemistry, urinalysis, and urine chemistry tests from 10 animals/sex in Groups 1 through 5. Blood was collected for cholesterol and triglyceride determinations from all animals prior to the terminal sacrifice during Week 105 (Week 103 for females in Group 3) and the recovery sacrifice (Group 6) during Week 106. Blood films were also prepared for animals at the terminal and recovery sacrifices. Five animals/sex in Groups 1 through 5 were sacrificed during Week 4; livers were collected and weighed. [The liver samples were collected for PFOS analysis, mitochondrial activity, hepatocellular proliferation rate measurements by proliferation cell nuclear antigen (PCNA), and determination of palmitoyl-CoA oxidase activity. In addition, liver samples were collected for PFOS analysis (Weeks 14, 53, 103, 105, and 106), hepatocellular proliferation rate measurement [by PCNA at Week 14 and by bromodeoxyuridine (BrdU) immunohistochemistry at Week 53] and palmitoyl-CoA oxidase determination (Week 4 and 14).] A section of duodenum was also collected at Week 53 for BrdU immunohistochemistry. During Weeks 14 (Groups 1 through 5) and 53 (Groups 1 and 5), necropsies were performed on five and 10 animals/sex,

respectively. Surviving females in Group 3 were sacrificed and necropsied during Week 103 because of reduced survival. The remaining animals in Groups 1 through 6 were sacrificed and necropsied during Weeks 105 and 106. At necropsy, macroscopic observations were recorded, organ weights were obtained (Weeks 14 and 53), and tissues were placed in fixative as specified by the protocol. At the terminal and recovery sacrifices, sections of the heart and liver were preserved in 2.0% parafomaldehyde/2.5% gluteraldehyde in 0.1M phosphate buffer, processed, and embedded in epoxy resin for possible future electron microscopy from 10 animals/sex in Groups 1, 4, 5, and 6. Animals that died on test or were sacrificed at unscheduled intervals were also necropsied, but organ weights were not recorded. Microscopic examinations were done on selected tissues (adrenals, brain, eyes, kidney, liver, mesenteric lymph node, pancreas, spleen, testes, and ovaries) from the animals necropsied during Week 14 and on all tissues from the animals in Groups 1 and 5 that were necropsied during Weeks 53, 105, and 106. In addition, microscopic examinations were done on the tissues from animals that died or were sacrificed due to poor health. Macroscopic lesions, liver, lung, kidneys, pancreas, thyroid, testes, and mammary gland (females), and urinary bladder were examined for animals in Groups 2, 3, 4, and 6 that were sacrificed during Weeks 103, 105, and 106.

Liver sections from five animals/sex/group from Groups 1 and 5 were stained with Oil Red "O" and examined microscopically. In addition, liver samples from five animals/sex/group were processed and evaluated by electron microscopy.

Survival after 104 weeks of treatment was 22.0, 22.0, 34.0, 50.0, 45.0, and 27.0% for males in Groups 1, 2, 3, 4, 5, and 6, respectively, and 50.0, 30.0, 20.0 (after 102 weeks), 34.0, 52.0, and 48.0% (after 104 weeks) for females in Groups 1, 2, 3, 4, 5, and 6, respectively.

There was a significant increased trend in survival that occurred in the males that was due to significant increases in survival in mid-high (5.0 ppm) and high-dose (20.0 ppm) groups as compared to that of the control group. None of the other treated groups in the males revealed any significant differences in survival. No significant trend was noted in survival in females. There was a significant decrease in survival in the mid-dose (2.0 ppm) group and not in the mid-high (5.0 ppm) and high-dose (20.0 ppm) groups as compared to that of the control.

There were no clinical observations attributed to administration of the test material.

Males given 20 ppm (Groups 5 and 6) had significantly lower mean body weights compared to animals in the control group during Weeks 9 through 37. During recovery the mean body weights for Group 6 males were similar to mean body weights for Group 5 males. Females in Group 5 given 20 ppm had significantly lower body weights compared to animals in the control group during Weeks 3 through 101. Mean body weights for females in Group 6 given 20 ppm were statistically lower than mean body weights for control females during Weeks 3 through 61, but their mean body weights became nearer to the weights of the control females when placed on recovery. At Week 105, mean body weights for surviving males were 98, 108, 103, 101, and 96% of controls for the low- (0.5 ppm), mid- (2.0 ppm), and high-dose groups (20.0 ppm), respectively. At Week 105, mean body weights for surviving females were 101, 107 (Week 101), 100, 86, and 105% of controls, for the low- (0.5 ppm), mid- (2.0 ppm), and high-dose groups (20.0 ppm), respectively.

Mean body weight change was statistically significantly lower for males given 20 ppm diets for Weeks 1 through 15 and Weeks 15 through 29. Mean body weight change was statistically significantly lower for females given 20 ppm for Weeks 1 through 15 and Weeks 29 through 57 (Group 5 only). Mean body weight changes for males and females in Group 6 were significantly increased during the several weeks of recovery. Animals at lower dose levels occasionally had statistically significantly decreases in body weight gain; however, these occurrences were inconsistent over time between sexes and were not clearly dose-related.

Although not always statistically significant, males given 20 ppm tended to consume less food during Weeks 1 through 24. Food consumption was similar for males given 20 ppm compared to animals given the control material during Weeks 28 through 104. Statistically significantly lower food consumption was noted frequently for females given 20 ppm during Weeks 2 through 44. Food consumption for males and females was similar in all the other treated groups compared to animals given the control material.

Dietary administration of PFOS for approximately 53 weeks was associated with mildly higher urea nitrogen for males and females fed 5 or 20 ppm; mildly lower glucose for males and females fed 20 ppm; mildly to moderately lower cholesterol for males and females fed 20 ppm; and mildly higher alanine aminotransferase for males fed 20 ppm.

None of these effects were considered adverse. The effect on cholesterol was no longer apparent after 104 weeks of treatment. There was no effect on hepatic palmitoyl-CoA oxidase activity.

Terminal body weights in males and females at Week 14 were comparable between control and treated groups. At the Week 14 interim sacrifice, absolute and relative liver weights were significantly increased in the males given 20 ppm. In females given 20 ppm, only the liver-to-body weight percentage was significantly increased. Test material-related histomorphologic changes were limited to the liver in the males given 5 or 20 ppm and in the females given 20 ppm. The changes consisted of hypertrophy of hepatocytes in centrilobular areas in males and females, and midzonal to centrilobular hepatocytic vacuolation. The incidence and severity of the changes tended to be greater in the males.

At the Week 53 interim sacrifice, terminal body weights were significantly decreased in the females given 20 ppm. In the males, absolute and relative liver weights were increased in the group receiving 20 ppm. In addition, absolute and relative spleen weights were decreased in males given 20 ppm. There were no clear or consistent gross observations at the Week 53 interim sacrifice that could be attributed to the administration of the test material. At the Week 53 interim sacrifice, centrilobular hepatocytic hypertrophy and vacuolation was increased in incidence and severity in the males given 20 ppm. Generally, in the females given 20 ppm, only centrilobular hypertrophy was seen, and the change was less severe than that noted in the males. In addition, minimal to slight centrilobular hepatocytic pigment was found in the females given 20 ppm. There were no other histomorphologic changes that could be associated with the administration of the test material. Liver findings in several unscheduled deaths given 20 ppm resembled those seen in animals sacrificed at Week 53.

At the terminal sacrifice, the livers of animals given 5 or 20 ppm exhibited a slight increase in macroscopic findings, including enlarged, mottled, diffuse darkened, or focally lightened. Hepatotoxicity, characterized by centrilobular hypertrophy, centrilobular eosinophilic hepatocytic granules, centrilobular hepatocytic pigment, or centrilobular hepatocytic vacuolation was noted in the animals given 5 or 20 ppm. An increase in eosinophilic clear cell altered foci and cystic hepatocellular degeneration was noted in the males given 2, 5, or 20 ppm.

The data suggests that the hepatotoxicity did not persist in the recovery-sacrifice animals. In the unscheduled sacrifices between Weeks 54 and 105, animals given 20 ppm had increased hepatocellular centrilobular hypertrophy, eosinophilic hepatocytic granules, and centrilobular hepatocytic pigment were noted. Increased hepatocellular centrilobular hypertrophy was seen in animals given 5 ppm.

A significant positive trend was noted in the incidences of liver hepatocellular adenoma for males. This was associated with a significant increase in the high-dose (20.0 ppm) group over the control. The high-dose recovery (20.0 ppm) group animals in this case exhibited a significantly decreased incidence when compared to that of the high-dose (20.0 ppm) group. Significantly increased incidences were observed for thyroid follicular cell adenoma in the high-dose recovery (20.0 ppm) group when compared to either the control or the high-dose (20.0 ppm) group. There was also a significant increase in the combined (adenoma and carcinoma) thyroid follicular cell tumors in the high-dose recovery (20.0 ppm) group animals as compared to that of the high-dose (20.0 ppm) group. None of these cases were associated with any significant trend. Thyroid follicular cell carcinoma did not show any significant effect.

There were no other significant neoplastic findings in the males.

Significant positive trends were observed in the incidences of hepatocellular adenoma and hepatocellular combined adenoma and carcinoma in the females. These cases were associated with significant increases in the high-dose (20.0 ppm) group as compared to the control. All these tumors were incidental and noted at the terminal sacrifice. A marginally significant increase for thyroid follicular cell adenoma and carcinoma combined was observed in the mid-high (5.0 ppm) group but not in the high-dose (20.0 ppm) group as compared to the control group. In fact, thyroid C-cell adenoma and thyroid C-cell combined adenoma and carcinoma actually showed significant decreases in the high-dose (20.0 ppm) group as compared to the control. There were significant negative trends in the incidences of mammary fibroadenoma and mammary combined adenoma and fibroadenoma. These cases were associated with significantly lower incidences in the respective high-dose (20.0 ppm) group when compared to that of the control. However, the low-dose (0.5 ppm) group animals for these cases exhibited significant increases over the control. A significant decreased incidence was found for the high-dose recovery (20.0 ppm) group in the incidences of mammary carcinoma as compared to the high-dose (20.0 ppm) group. There was no other significant group effect

in mammary carcinoma. There was a marginal significant negative trend for the mammary combined fibroadenoma/adenoma/carcinoma. However, the low- (0.5 ppm) and mid-high (5.0 ppm) groups for this case exhibited significantly increased incidences over the control.

There were no other significant neoplastic findings in the females.

There were no statistically significant increases in cell proliferation as measured by Proliferative cell nuclear antigen (PCNA) immunohistochemistry at weeks 4 and 14, or by bromodeoxyuridine (BrdU) immunohistochemistry at week 53.

Liver samples were obtained from each of the 20 rats during necropsy at terminal sacrifice for examination by transmission electron microscopy (TEM). Liver samples were assessed for ultrastructural changes that may be related to chronic toxicity of the test material when administered in the diet. Electron microscopic evaluation identified mild to moderate changes related to treatment. Mild to moderate smooth endoplasmic reticulum hyperplasia and minimal to mild hepatocellular hypertrophy were the prominent features found to be different between the high dose group and the control animals. Other changes included a slight increase in the amount of glycogen in treated animals compared with controls.

The chronic toxicity and carcinogenicity of the test material, Perfluorooctane sulfonic acid potassium salt (PFOS; T-6295) was assessed following dietary admixture to male and female Crl:CD®(SD)IGS BR rats at dose levels of 0.5, 2, 5, or 20 ppm. Based on anatomic pathology findings in the liver, the no-observable-adverse-effect level for Perfluorooctane sulfonic acid potassium salt (PFOS; T-6295) is considered to be 2 ppm.

PURPOSE

The purpose of this study was to assess the chronic toxicity and carcinogenicity of Perfluorooctane sulfonic acid potassium salt (PFOS; T-6295), when administered in the diet to rats for at least 104 weeks. Due to excessive mortality, female animals in Group 3 were terminated during Week 103.

REGULATORY COMPLIANCE

All aspects of this study were in accordance with the Good Laboratory Practice Regulations as set forth in Title 40 of the US Code of Federal Regulations Part 792, issued November 29, 1983 (effective December 29, 1983), and with any applicable amendments.

TEST MATERIAL AND VEHICLE

Test Material

The test material, Perfluorooctane sulfonic acid potassium salt (PFOS; T-6295), Lot No. 217, is a light colored, free flowing powder and is 86.9% pure. It was received at Covance on June 4, 1996, and September 4, 1997. The test material was stored at room temperature.

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

Vehicle

The vehicle, acetone (Spectrum Chemical Mfg. Corp., New Brunswick, New Jersey and Gardena, California), Lot Nos. LH0253 and NS0231 (expiration date: June and September 1, 2000, respectively). The shipments were received at Covance on June 23, 1997, and September 8, 1998, respectively. The vehicle was stored at room temperature.

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

Carrier

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

Reserve (Archive) Samples

A reserve sample (5 g) of the test material was taken and stored at room temperature. This sample was transferred to the sponsor on June 12, 2000.

Disposition

Remaining test material was returned to the sponsor on June 12, 2000, after authorization from the sponsor.

TEST ANIMALS AND HUSBANDRY

Animals

Male and female Crl:CD®(SD)IGS BR rats were obtained from the Raleigh, North Carolina, facility of Charles River Laboratories on April 7, 1998. At initiation of treatment, the animals were approximately 41 days old; the males weighed from 135 to 226 g, and the females weighed from 128 to 182 g.

Identification

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

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

Husbandry
Animal were housed in Animal rooms 316, 332, or 345 for 13 days during acclimation and then were moved to rooms 3004 or 3005 for the duration of the study. Environmental controls for the animal rooms were set to maintain 18 to 26°C, a relative humidity of 30 to 70%, and a 12-hour light/12-hour dark cycle.

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

Certified rodent diet (#5002 meal, PMI Nutrition International) was provided *ad libitum* during acclimation (see Protocol Deviations for exceptions).

Water was provided *ad libitum* (see Protocol Deviations for exceptions).

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

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

Animals not selected for the study (42 males and 40 females) were sacrificed and discarded.

Acclimation
Four hundred and two males and 400 females were received on April 7, 1998, and acclimated in Animal Rooms 316, 332, or 345 for 13 days then moved to rooms 3004 and 3005 before initiation of treatment. In general, animals in this shipment appeared

healthy. During acclimation, the animals were examined for abnormalities indicative of health problems, and body weights were recorded for all animals at randomization.

PROCEDURES

This study was conducted in accordance with the Protocol dated April 15, 1998, and with Protocol Amendment Nos. 1, 2, 3, 4, and 5. Protocol deviations are in Appendix 1.

Major Computer Systems

The Path/Tox application, supplied by Xybion Medical Systems Corporation, was used for the direct on-line capture of in-life toxicology and anatomic pathology data. The Randomization and Data Extension Systems (RADES) and Automatic Form and Label Generation System (AFLGS) applications were used in conjunction with the Path/Tox system to randomize animals and produce labels and forms, respectively. The Talisman application was used for the dose preparation information, and the Millennium system was used for the collection of dose analysis data, and the Clinical application was used for the collection of clinical pathology data. The Report Generation System application was used to pull the information from the Path/Tox and clinical applications into Word for reporting purposes. All version numbers of the applications can be found in the log book for the application.

Group Designations and Dose Levels

The animals were examined by a laboratory animal veterinarian on April 14, 1998, and were found to be suitable for study consideration. Selection of animals for the study was based on acclimation data. Animals were assigned to treatment groups using a computerized blocking procedure designed to achieve body weight balance with respect to treatment group. At the time of randomization, the weight variation of the animals did not exceed ± 2 standard deviations of the mean body weight for each sex. Group mean body weights were analyzed using Levene's test for homogeneity of variance at the 5.0% probability level and were found to be homogeneous. Animals were assigned to the study according to the following design.

Group	Number of Animals		Dietary Levels (ppm T-6295)
	Male	Female	
1 (Control)[a, b, c]	70	70	0
2 (Low)[b]	60	60	0.5
3 (Mid)[b]	60	60	2.0
4 (Mid-High)[b]	60	60	5.0
5 (High)[b, c]	70	70	20.0
6 (High Recovery)[d]	40	40	20.0

a The control animals received the control diet (basal diet with acetone).
b Five animals/sex in Groups 1 through 5 were sacrificed at Weeks 4 and 14 for hepatocellular proliferation rate measurements, biochemical analyses (palmitoyl-CoA oxidation), and histopathology (Week 14 only).
c Ten animals/sex in Groups 1 and 5 were designated as interim sacrifice animals. These animals were sacrificed after at least 52 weeks of treatment.
d Animals in Group 6 were treated for at least 52 weeks, then treatment was discontinued, and the animals were observed for reversibility, persistence, or delayed occurrence of toxic effects for at least 52 weeks posttreatment. During recovery, the animals received basal diet only.

Dosing Procedures

Dose Preparation. Dietary concentrations were based on the test material as supplied. Before initiation of treatment, diets of 0.5, 1, 2, and 20 ppm concentrations were prepared for stability and homogeneity analyses. Diets were prepared at least once every 4 weeks during the treatment phase of the study.

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

Preparation of Base Diet. A specified amount of certified diet was weighed into a labeled container. The required amount of test material was weighed and transferred into a labeled container and the appropriate volume of acetone was added to the container and mixed manually. Additional volume of acetone was added as necessary until the test material dissolved. To prepare a premix, the certified diet was transferred into a labeled Hobart® mixing bowl. The test material and acetone were added to the mixing bowl, overlaid with a portion of diet from the mixing bowl, and thoroughly mixed. A portion of

diet from the mixing bowl was transferred to a second mixing bowl, mixed manually to recover residual test material, and returned to the first mixing bowl. The contents of the mixing bowl were thoroughly mixed.

Preparation of Diets for Groups 2 through 4. Each dose level was prepared independently. A specified amount of certified diet was weighed into a labeled container and a specified amount of base diet was weighed for each dietary concentration. A pocket was formed in the feed in the mixing bowl and the amount of base diet was transferred to the pocket. The contents of the mixing bowl were thoroughly mixed for 15 minutes.

Preparation of Diets for Groups 5 and 6. A specified amount of certified rodent diet (#5002) was weighed into a labeled Hobart® mixing bowl and a specified amount of base diet was weighed for each diet. A pocket was formed in the feed in the mixing bowl and the amount of base diet was transferred to the pocket. The contents of the mixing bowl were thoroughly mixed for 15 minutes.

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

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

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

The dose preparations were administered *ad libitum* (see Protocol Deviations for exceptions). Animals in Groups 1, 2, 3 (males), 4, and 5 received the test diet for at least 104 weeks. Animals in Group 3 (females) received the test diet for at least 103 weeks. Animals in Group 6 received the test diet for 52 weeks.

Retention Samples. Samples (approximately 100 g) were taken from each dose preparation during the inlife phase and stored at room temperature. These samples were discarded on June 15, 2000.

Dose Analysis

Analyses for the concentration of test material in the dose preparations were done by Covance using an analytical method, MP-M383-MA, supplied by the sponsor and validated by Covance.

Homogeneity was determined from the dose preparations mixed pretest and from preparations mixed for Week 1. One sample (approximately 100 g each) from the top, middle, and bottom of the dose preparations were collected, divided into three subsamples for extraction and analysis, and analyzed for test material content. All samples were stored at room temperature until analyzed within 7 days of mixing.

To evaluate the stability of the test material in the carrier, one set of samples (approximately 100 g each) were taken from the preparations mixed pretest, stored at room temperature for 28 days, then analyzed. Homogeneity samples collected from the middle of the pretest dose preparations were analyzed within 2 days of mixing and used as the baseline value. An additional set of samples (approximately 100 g each) were taken from the preparations mixed for Week 1, stored at room temperature for 33 days, then analyzed. Homogeneity samples collected from the middle of the dose preparations for Week 1 were analyzed on the day of mixing and used as the baseline value.

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

Observation of Animals

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

Body Weights. Individual body weight data were recorded at the time of randomization, weekly for Weeks 1 through 17, once every 4 weeks thereafter, and at Week 105.

Food Consumption. Individual food consumption data were recorded weekly for Weeks 1 through 16 and once every 4 weeks thereafter.

Administration of Bromodeoxyuridine. Seven days before the Week 53 interim sacrifice, osmotic pumps (ALZET® Model 2ML1) were surgically implanted in five animals/sex/group from Groups 1 and 5. The osmotic pumps were preloaded with approximately 2 mL of bromodeoxyuridine (BrdU) at a concentration of 20 mg/mL. The animals were anesthetized by administration of acepromazine-ketamine-xylazine, and one pump/animal was aseptically inserted subcutaneously (dorsal surface). The incision was closed with wound clips, and the animals were monitored during clinical observations until the time of sacrifice to ensure that there were no clinical signs of infection. One Group 5 male implanted with the osmotic pump was sacrificed before the Week 53 sacrifice.

Clinical Pathology

Blood and urine samples were collected from 10 animals/sex/group in Groups 1 through 5 during Weeks 4, 14, 27, and 53. Blood films were made and held for possible future examination from animals sacrificed at unscheduled intervals and from animals at scheduled sacrifices after at least 52, 103 (Group 3 females), and 104 weeks of treatment. In addition, blood was collected for cholesterol and triglycerides from all remaining animals at the terminal and recovery sacrifices.

Animals were fasted overnight, and urine was collected chilled overnight (approximately 16 hours) before blood sampling. Blood was collected from a jugular vein. The anticoagulant was potassium EDTA for hematology tests. The samples for clinical chemistry samples were collected without anticoagulant. Animals were bled in random order. The following were evaluated.

Hematology

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

Reticulocyte smears were made and held for possible future examination.

Clinical Chemistry

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

Urinalysis

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

Urine Chemistry

sodium	16 hour excretion of:
potassium	sodium
	potassium

Serum PFOS Analyses

During Weeks 4 and 14, blood samples (approximately 2 mL) were collected for serum analyses from five animals/sex/group in Groups 1 through 5 (animals selected for hepatocellular proliferation and biochemical analyses). During Week 53, blood samples (approximately 2 mL) were collected from five animals/sex/group in Groups 1 and 5 (from animals selected for interim sacrifice) and from all remaining animals at terminal and recovery sacrifices. Animals were fasted overnight. Blood was collected from a jugular vein, allowed to clot at room temperature, and centrifuged. Samples were collected without anticoagulant. Serum was harvested and stored in a freezer, set to maintain -60 to -80°C, until sent to the sponsor for analyses of PFOS levels and metabolites. Analysis of these samples is the responsibility of the sponsor; results are not included in this report.

Anatomic Pathology

Necropsy at Unscheduled Intervals. A necropsy was done on each animal that died or was sacrificed at an unscheduled interval. Animals sacrificed at unscheduled intervals were anesthetized with carbon dioxide, weighed, and exsanguinated (see Protocol Deviations for exceptions). A blood film was taken as part of the necropsy procedure for sacrificed animals.

Interim Sacrifices

During Weeks 4, five animals/sex/group/interval in Groups 1 through 5 were fasted overnight, bled for serum chemistry, anesthetized with carbon dioxide, weighed, and exsanguinated. The abdominal cavity of each animal was opened, the liver was removed and weighed. Liver samples were collected for palmitoyl-CoA, cell proliferation, and PFOS concentration analyses and for mitochondrial activity. Animals sacrificed during Week 4 were discarded after liver collection. During Week 14, five animals/sex/group/interval in Groups 1 through 5 were fasted overnight, bled for serum chemistry, anesthetized with carbon dioxide, weighed, and exsanguinated. Liver samples were collected for palmitoyl-CoA, cell proliferation, PFOS concentration analyses, and for histopathology. During Week 53, 10 animals/sex/group from Groups 1 and 5 were fasted overnight, bled for serum samples (five animals/sex/group), anesthetized with carbon dioxide, weighed, exsanguinated, and necropsied. The liver was weighed and liver samples were collected and frozen for analysis. Animals sacrificed during Weeks 14 and 53 had macroscopic observations recorded, selected organs weighed, and selected tissues collected and preserved. A blood film was taken for each animal sacrificed at the Week 53 interim sacrifice. Animals were necropsied in random order.

Terminal Sacrifice

After at least 104 weeks of treatment (Week 103 for females in Group 3), the remaining animals were fasted overnight, bled for serum samples (five animals/sex/group), anesthetized with carbon dioxide, weighed, exsanguinated, and necropsied. Animals were necropsied in random order.

Recovery Sacrifice
After at least 52 weeks of treatment and 52 weeks without treatment, the remaining animals in Group 6 were fasted overnight, anesthetized with carbon dioxide, weighed, exsanguinated, and necropsied.

A blood film was taken as part of the necropsy procedures at the terminal and recovery sacrifices.

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

Cell Proliferation Tissue Collection and Immunohistochemical Evaluation. During the Week 4 and 14 tissue collection from animals in Groups 1 through 5 (five animals/sex/group), representative samples of the left lateral lobe and any macroscopic lesions of the liver were collected and preserved in zinc formalin. Liver samples were fixed and embedded in paraffin and blocks were sent to Pathology Associates International (PAI), PAI evaluated the samples (left lateral lobe only) for proliferation cell nuclear antigen (PCNA). In addition, liver sections were stained with hematoxylin and eosin and examined microscopically by PAI. The cell proliferation report is in Appendix 7.

Palmitoyl-CoA (PCoA) Oxidase Analyses. During the Week 4 and 14 tissue collections from animals in Groups 1 through 5 (five animals/sex/group), a sample (approximately 500 mg) of the right lateral lobe of the liver was collected and flash-frozen in liquid nitrogen. The samples were stored in a freezer set to maintain -60 to -80°C, until analyzed by Covance for PCoA oxidase activity.

Organ Weights. At the interim sacrifice during Weeks 14 and 53, the following organs (when present) were weighed; paired organs were weighed separately.

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

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

Liver PFOS Analysis. A portion of the liver was collected from five animals/sex/group from Groups 1 through 5 at the Week 4 and 14 interim sacrifices, from five animals/sex/group from Groups 1 and 5 at the Week 53 interim sacrifice, and from all remaining animals at the terminal and recovery sacrifice and flash-frozen in liquid nitrogen and stored in a freezer set to maintain -60 to -80°C, until packed on dry ice and shipped to the sponsor for PFOS and metabolites analyses. Analysis of these samples is the responsibility of the sponsor; results are not included in this report.

Mitochondrial Analyses. During the Week 4 tissue collections for animals in Groups 1 through 5, liver samples (approximately 1.5 g) were collected and analyzed by the sponsor for mitochondrial activity. Analysis of these samples is the responsibility of the sponsor; results are not included in this report.

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

adrenal (2)
brain
cecum
cervix
colon
duodenum
epididymis (2)
esophagus
eye (2)
femur with bone marrow (articular surface of the distal end)
Harderian gland
heart
ileum
jejunum
kidney (2)
lesions
liver
lung with mainstem bronchi
lymph node (mesenteric)
mammary gland (females only)
ovary (2)
pancreas
pituitary
prostate
rectum
salivary gland [mandibular (2)]
sciatic nerve
seminal vesicle (2)
skeletal muscle (thigh)
skin
spinal cord (cervical, thoracic, and lumbar)
spleen
sternum with bone marrow
stomach
testis (2)
thymus
thyroid (2) with parathyroid
trachea
urinary bladder
uterus
vagina

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

In addition, at the terminal sacrifice, sections of the heart and liver were collected from 10 animals/sex in Groups 1, 4, 5, and 6 and preserved in 2.0% paraformaldehyde/2.5% glutaraldehyde in 0.1M phosphate buffer (see Protocol Deviations for exceptions). The tissues were processed and embedded in epoxy blocks for possible future examination by electron microscopy.

Histopathology. Tissues (as appropriate) from each animal in Groups 1, 5, and 6 sacrificed at the Week 53 interim sacrifice were embedded in paraffin, sectioned, stained with hematoxylin and eosin, and examined microscopically.

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

Tissues (as appropriate) from each animal in Groups 1 and 5 sacrificed at the terminal sacrifice and any animals that died on test or were sacrificed at unscheduled intervals were embedded in paraffin, sectioned, stained with hematoxylin and eosin, and examined microscopically.

Lesions, liver, lungs, kidneys, pancreas, thyroid, testes, mammary glands (females), and urinary bladder from each animal in Groups 2, 3, 4, and 6 sacrificed at the terminal and recovery sacrifices were embedded in paraffin, sectioned, stained with hematoxylin and eosin, and examined microscopically (see Protocol Deviations for exceptions). Parathyroids were processed with the thyroids, but were not examined.

At the Week 53 sacrifice, BrdU immunohistochemistry was performed by PAI on the livers and duodenums from five animals/sex/group in Groups 1 and 5 that received BrdU. In addition, sections of the liver and duodenums from these animals were stained with hematoxylin and eosin and examined microscopically.

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

Liver sections from five animals/sex/group from Groups 1 and 5 were stained with Oil Red "O" stain and examined microscopically.

Liver sections in epoxy blocks for five animals/sex/group from Groups 1 and 5 were processed and evaluated by electron microscopy by Pathology Associates International (report included in Appendix 8).

Slides of the pancreas from males found dead, sacrificed at an unscheduled interval, or sacrificed at the Week 14 and 53 interim sacrifices, terminal, and recovery sacrifices were sent to Tox Path Inc. for peer-review and results were provided to Covance for inclusion in the final report (see Protocol Deviations for exceptions). After examination, slides were returned to Covance.

Statistical Evaluation

Levene's test (Levene, 1960) was done to test for variance homogeneity. In the case of heterogeneity of variance at $p \leq 0.05$, transformations were used to stabilize the variance. One-way analysis of variance [ANOVA (Winer, 1971)] was used to analyze body weights, body weight changes, food consumption, continuous clinical pathology values, palmitoyl CoA oxidase activities, and organ weight data (Week14 and 53 interim sacrifices only).

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

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

Survival and Tumor Analysis

Survival. Evaluations of trend and heterogeneity of survival data were performed using the Cox-Tarone binary regression method using the National Cancer Institute (NCI) Life Table Package (Thomas, Breslow, and Gart, 1977). Week 105 was treated as the end of the study in the NCI package for both sexes. Animals that were sacrificed at scheduled

intervals were censored in the analysis. Continuity-corrected one-sided tail probabilities for trend and two-sided tail probabilities for group comparisons were evaluated at the 5.0% significance level.

Nonneoplastic Lesions. Nonneoplastic lesions were chosen for statistical analyses if the incidence in at least one treated group (Groups 2 through 5) was increased or decreased by at least two occurrences over the control group (Group 1). The high recovery group (Group 6) was selected based on the incidence rate (%) if it was increased or decreased by at least two as compared to the control or high-dose (20.0 ppm) group. When there was only one incidence in the high-recovery and none in the other groups, that case was excluded from the statistical evaluation. These were analyzed by the Cochran-Armitage test for trend and the Fisher-Irwin exact test for control versus treatment comparisons (Thakur, Berry, and Mielke, 1985). One-sided tail probabilities for trend and group comparisons were evaluated at the 5.0% significance level and are reported in Text Tables 3 and 4 for males and females, respectively.

Neoplastic Lesions. Neoplastic lesions were chosen for statistical analyses using the same criteria as in the case of nonneoplastic lesions. The incidental tumors (i.e., tumors that were not assigned to be the cause of death of the animals by the study pathologist) were analyzed by logistic regression of tumor prevalence (Dinse and Lagakos, 1983). The logistic regression model included linear and quadratic terms in age (week of death), but thequadratic term was eliminated if there was a lack of convergence. The fatal and palpable (superficial) tumors were analyzed by Cox-Tarone binary regression method using the death time or the first palpation time (as applicable) as a surrogate for the tumor onset time. In the case of any particular tumor type where the study pathologist assigned the tumor in question being the cause of death of a subset of the animals and the rest of the animals were assumed to be dead of other competing risks, IARC-type (Peto et al, 1980) cause of death analysis was performed. Specifically, the subset of the tumors which were assigned to be the cause of death by the study pathologist was analyzed by Cox-Tarone logistic regression under life table techniques. The subset, which was considered incidental by the pathologist, was analyzed by logistic regression of tumor prevalences. Tumor types whose cause of death was undetermined, were treated as incidental for statistical evaluation. The score statistics and their respective variances from the above tests were then used to compute the combined evidence as described by Gart et al. (1986). If one tumor in the group belonged to one of the two categories (fatal and incidental) in a test was combined with the other category for the purpose of statistical

analyses. In addition, in the cases where there was lack of convergence for the asymptotic test of the logistic regression method, the exact probability of the significance was obtained by using LogXact-Turbo (1993) and combined with the probability of Cox-Tarone test, if necessary.

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

In the nonneoplastic analyses, animals sacrificed early (Week 4) were excluded from the denominators. In the statistical evaluations of the neoplastic lesions, animals sacrificed early (during or before Week 14) were discounted from the number of animals at risk. In the neoplastic analyses, the low- (0.5 ppm), mid-(2.0 ppm), mid-high, and high recovery groups that did not have complete histopathology examinations were excluded from statistical analyses.

In the text tables, the p-values under Group 1 (control) are for trend analysis and the p -values under Groups 2 (low), 3 (mid), 4 (mid-high), 5 (high) and 6 (high recovery) are for the comparison of that group versus the control group. Group 6 was also compared with Group 5, and the p-values for those comparisons are indicated in the text tables. Trend analysis includes Groups 1, 2, 3, 4, and 5 only. Ordinal dose levels 0, 1, 2, 3, and 4 were used in all analyses for Groups 1, 2, 3, 4, and 5, respectively. Continuity correction was done for all asymptotic tests.

The following notations are used throughout this report designating direction and significance of effects.

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

Record Retention

The raw data, documentation, records, specimens, protocol, and final report generated as a result of this study will be archived in the storage facilities of Covance-Madison. At least 1 year after submission of the final report, the Covance Archives staff will contact the sponsor. At that time, the sponsor may choose to have the aforementioned materials returned, archived for an additional period of time, or disposed of by Covance; a fee will be charged based on the archive disposition option selected by the sponsor. Raw data stored on magnetic media and the protocol, study correspondence, and the original final report will be retained by Covance. At least 1 year after submission of the final report, any frozen samples will be returned to the sponsor, retained by Covance, or disposed of, and a fee will be charged. Data generated by the sponsor will be archived in the sponsor's storage facilities.

Specimens, data, and reports for PCNA evaluation, BrdU immunohistochemistry and electron microscopy will be retained by PAI.

RESULTS AND DISCUSSION

Dose Analysis

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

Several homogeneity analyses were conducted on each of the several mixes in an attempt to resolve issues related to the inherent variability and lack of sufficient sensitivity in the analytical method for measuring Perfluorooctane sulfonic acid potassium salt (PFOS; T-6295). Mean values of the homogeneity analyses for the pre-dosing mix done on March 18, 1998, ranged from 119-135% and 107-118% of the theoretical concentrations for the diets containing 0.5 and 20 ppm (PFOS; T-6295), respectively. Mean values of

the homogeneity analyses for the mix done on April 16, 1998, ranged from 96.2-122%, 98.5-107%, 97.6-101%, and 90.0-101% of the theoretical concentrations for the diet containing 0.5, 2, 5, and 20 ppm (PFOS; T-6295), respectively. Mean values of the homogeneity analyses for the mix done on April 22, 1998, ranged from 93.5-103% of the theoretical concentrations for the diet containing 20 ppm (PFOS; T-6295). Mean values of the homogeneity analyses for the mix done on June 18, 1998, ranged from 91.0-175%, 111-130%, 99.6-102%, and 90.5-97.0% of the theoretical concentrations for the diet containing 0.5, 2, 5, and 20 ppm (PFOS; T-6295). These results indicate that the mixing procedure produced a homogeneous distribution of the test material in the dose preparations; although variability generally appeared slightly greater at the lower dietary concentrations.

Stability analyses were conducted prestudy in an attempt to resolve issues related to the inherent variability and lack of sufficient sensitivity at levels in the analytical method for measuring (PFOS; T-6295). Results of stability analyses for the pre-dosing mix conducted on March 18, 1998, of samples stored for 28 days at room temperature indicated that the mean concentrations were 78.5, 76.7, 79.8, and 88.1% of the initial concentrations of 0.5, 1, 2, and 20 ppm, respectively. Results of stability analyses for the mix conducted on April 16, 1998, of samples stored for 33 days at room temperature indicated that the mean concentrations were 112.3, 119.6, 113.9, and 126.7% of the initial concentrations of 0.5, 2, 5, and 20 ppm, respectively.

The mean concentrations of the dose preparation analyses for all levels ranged from 44.4-635% of the theoretical concentrations (including the reassay and retention sample analyses). The overall mean concentrations within each dose level ranged from 102.3 to 108.7. Inherent variability and lack of sufficient sensitivity at low levels in the analytical method for measuring (PFOS; T-6295) resulted in homogeneity, stability, and routine analysis data that were in many cases outside of the standard limits of +/- 15%.

Observation of Animals

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

Survival after 104 weeks of treatment was 22.0, 22.0, 34.0, 50.0, 45.0, and 27.0% for males in Groups 1, 2, 3, 4, 5, and 6, respectively, and 50.0, 30.0, 20.0 (after 102 weeks), 34.0, 52.0, and 48.0% for females in Groups 1, 2, 3, 4, 5, and 6, respectively.

There was a significant increased trend in survival that occurred in the males that and was due to significant increases in survival in mid-high (5.0 ppm) and high-dose (20.0 ppm) groups as compared to that of the control group. None of the other treated groups in the males revealed any significant differences in survival. No significant trend was noted in survival in females. There was a significant decrease in survival in the mid-dose (2.0 ppm) group and not in the mid-high (5.0 ppm) and high-dose (20.0 ppm) groups as compared to that of the control.

There were no clinical observations attributed to administration of the test material. The types of clinical observations noted are commonly observed in laboratory rats as they age on long term safety studies.

There was no effect of the test material on the incidence of palpable masses.

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

Males given 20 ppm (Groups 5 and 6) had significantly lower mean body weights compared to animals in the control group during Weeks 9 through 37. During recovery the mean body weights for Group 6 males were similar to mean body weights for Group 5 males. Females in Group 5 given 20 ppm had significantly lower body weights compared to animals in the control group during Weeks 3 through 101. Mean body weights for females in Group 6 given 20 ppm were statistically lower than mean body weights for control females during Weeks 3 through 61, but their mean body weights became nearer to the weights of the control females when placed on recovery. At Week 105, mean body weights for surviving males were 98, 108, 103, 101, and 96% of controls for the low-, mid-, and high-dose groups (Groups 5 and 6), respectively. At Week 105, mean body weights for surviving females were 101, 107 (Week 101), 100, 86, and 105% of controls, for the low-, mid-, and high-dose groups (Groups 5 and 6), respectively. Overall mean body weight change was statistically significantly lower for males given 20 ppm diets for Weeks 1 through 15 and Weeks 15 through 29. Mean body weight change was statistically significantly lower for females given 20 ppm for Weeks 1

through 15 and Weeks 29 through 57 (Group 5 only). Mean body weight changes for males and females in Group 6 were significantly increased during the several weeks of recovery. Animals at lower dose levels occasionally had statistically significant decreases in body weight gain; however, these occurrences were inconsistent over time between sexes and were not clearly dose-related.

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

Although not always statistically significant, males given 20 ppm tended to consume less food during Weeks 1 through 24. Food consumption was similar for males given 20 ppm compared to animals given the control material during Weeks 28 through 104. Statistically significantly lower food consumption was noted for females given 20 ppm during Weeks 2 through 36. Food consumption for males and females was similar in all the other treated groups compared to animals given the control material.

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

Animals were fed diets containing 0, 0.5, 2, 5, or 20 ppm T-6295. The amount of test material consumed by animals on a mg/kg of body weight/day basis was as follows.

Group	Dietary Concentrations (ppm)	Mean Achieved Dose Levels - Range (mg/kg body weight/day)	
		Males	Females
2	0.5	0.015 - 0.057	0.015 - 0.052
3	2.0	0.064 - 0.226	0.073 - 0.213
4	5.0	0.153 - 0.570	0.186 - 0.559
5	20.0	0.643 - 2.205	0.838 - 2.149
6	20.0	0.732- 2.336	1.047 - 2.160

Clinical Pathology

Hematology, coagulation, clinical chemistry, urinalysis, and urine chemistry data are summarized in Tables 11 through 29; individual data are in Appendix 5. The Pathology Report contains a discussion of the data.

Dietary administration of PFOS for approximately 53 weeks was associated with mildly higher urea nitrogen for males and females fed 5 or 20 ppm; mildly lower glucose for males and females fed 20 ppm; mildly to moderately lower cholesterol for males and females fed 20 ppm; and mildly higher alanine aminotransferase for males fed 20 ppm. None of these effects were considered adverse. The effect on cholesterol was no longer apparent after 104 weeks of treatment. There was no effect on hepatic palmitoyl-CoA oxidase activity.

Anatomic Pathology

Organ weight data are summarized in Tables 30 through 31; incidences of macroscopic and microscopic observations are summarized in Tables 32 through 41. Individual data are in Appendix 6. The Pathology Report contains a discussion of the data.

Terminal body weights in males and females at Week 14 were comparable between control and treated groups. At the Week 14 interim sacrifice, absolute and relative liver weights were significantly increased in the males given 20 ppm. In females given 20 ppm, only the liver-to-body weight percentage was significantly increased. Test material-related histomorphologic changes were limited to the liver in the males given 5 or 20 ppm and in the females given 20 ppm. The changes consisted of hypertrophy of hepatocytes in centrilobular areas in males and females, and midzonal to centrilobular hepatocytic vacuolation. The incidence and severity of the changes tended to be greater in the males.

At the Week 53 interim sacrifice, terminal body weights were significantly decreased in the females given 20 ppm. In the males, absolute and relative liver weights were increased in the group receiving 20 ppm. In addition, absolute and relative spleen weights were decreased in males given 20 ppm. There were no clear or consistent gross observations at the Week 53 interim sacrifice that could be attributed to the administration of the test material. At the Week 53 interim sacrifice, centrilobular hepatocytic hypertrophy and vacuolation was increased in incidence and severity in the males given 20 ppm. Generally, in the females given 20 ppm, only centrilobular hypertrophy was seen, and the change was less severe than that noted in the males. In addition, minimal to slight centrilobular hepatocytic pigment was found in the females given 20 ppm. There were no other histomorphologic changes that could be associated

with the administration of the test material. Liver findings in several unscheduled deaths given 20 ppm resembled those seen in animals sacrificed at Week 53.

At the terminal sacrifice, the livers of animals given 5 or 20 ppm exhibited a slight increase in macroscopic findings, including enlarged, mottled, diffuse darkened, or focally lightened. Hepatotoxicity, characterized by centrilobular hypertrophy, centrilobular eosinophilic hepatocytic granules, centrilobular hepatocytic pigment, or centrilobular hepatocytic vacuolation was noted in the animals given 5 or 20 ppm. An increase in eosinophilic clear cell altered foci and cystic hepatocellular degeneration was noted in the males given 2, 5, or 20 ppm.

The data suggests that the hepatotoxicity did not persist in the recovery-sacrifice animals.

In the unscheduled sacrifices between Weeks 54 and 105, animals given 20 ppm had increased hepatocellular centrilobular hypertrophy, eosinophilic hepatocytic granules, and centrilobular hepatocytic pigment were noted. Increased hepatocellular centrilobular hypertrophy was seen in animals given 5 ppm.

A significant positive trend was noted in the incidences of liver hepatocellular adenoma for males. This was associated with a significant increase in the high-dose (20.0 ppm) group over the control. The high-dose recovery (20.0 ppm) group animals in this case exhibited a significantly decreased incidence when compared to that of the high-dose (20.0 ppm) group. Significantly increased incidences were observed for thyroid follicular cell adenoma in the high-dose recovery (20.0 ppm) group when compared to either the control or the high-dose (20.0 ppm) group. There was also a significant increase in the combined (adenoma and carcinoma) thyroid follicular cell tumors in the high-dose recovery (20.0 ppm) group animals as compared to that of the high-dose (20.0 ppm) group. None of these cases were associated with any significant trend. Thyroid follicular cell carcinoma did not show any significant effect.

There were no other significant neoplastic findings in the males.

Significant positive trends were observed in the incidences of hepatocellular adenoma and hepatocellular combined adenoma and carcinoma in the females. These cases were associated with significant increases in the high-dose (20.0 ppm) group as compared to the control. All these tumors were incidental and noted at the terminal sacrifice. A

marginally significant increase for thyroid follicular cell adenoma and carcinoma combined was observed in the mid-high (5.0 ppm) group but not in the high-dose (20.0 ppm) group as compared to the control group. In fact, thyroid C-cell adenoma and thyroid C-cell combined adenoma and carcinoma actually showed significant decreases in the high-dose (20.0 ppm) group as compared to the control. There were significant negative trends in the incidences of mammary fibroadenoma and mammary combined adenoma and fibroadenoma. These cases were associated with significantly lower incidences in the respective high-dose (20.0 ppm) group when compared to that of the control. However, the low-dose (0.5 ppm) group animals for these cases exhibited significant increases over the control. A significant decreased incidence was found for the high-dose recovery (20.0 ppm) group in the incidences of mammary carcinoma as compared to the high-dose (20.0 ppm) group. There was no other significant group effect in mammary carcinoma. There was a marginal significant negative trend for the mammary combined fibroadenoma/adenoma/carcinoma. However, the low- (0.5 ppm) and mid-high (5.0 ppm) groups for this case exhibited significantly increased incidences over the control.

There were no other significant neoplastic findings in the females.

Cell Proliferation Results

There were no statistically significant increases in cell proliferation as measured by PCNA at weeks 4 and 14, or by bromodeoxyuridine (BrdU) immunohistochemistry at week 53. However, two out of five females in each of the mid-high and high dose groups showed a very mild, but biologically significant response (i.e. had a proliferative index that was twice the mean of the controls and greater than that of the highest control) at week 4. The cell proliferation response at week four was transient in nature as it was not observed at week 14, and was considered to be test compound-related.

Electron Microscopy Results

Liver samples were obtained from each of the 20 rats during necropsy at terminal sacrifice for examination by transmission electron microscopy (TEM). Liver samples were assessed for ultrastructural changes that may be related to chronic toxicity of the test material when administered in the diet. Electron microscopic evaluation identified mild to moderate changes related to treatment. Mild to moderate smooth endoplasmic

reticulum hyperplasia and minimal to mild hepatocellular hypertrophy were the prominent features found to be different between the high dose group and the control animals. Other changes included a slight increase in the amount of glycogen in treated animals compared with controls.

Characterization of Tumor Incidence Outcome

In males, hepatocellular adenoma was increased for trend ($p = 0.0276$) and pair-wise against control for the 20 ppm dose group (7/60 20 ppm vs. 0/60 control, $p = 0.0456$). Hepatocellular adenoma was not observed in the 20 ppm recovery group, which was significant compared to the 20 ppm dose group (0/40 20 ppm recovery group vs. 7/60 200 ppm dose group, $p = 0.0240$). Overall, the response in terms of hepatocellular adenoma can be considered weak at the 20 ppm dose level.

Thyroid follicular cell adenoma was increased pair-wise against control for the 20 ppm recovery group (9/39 20 ppm recovery group vs. 3/60 control, $p = 0.0280$). Although this finding is outside the range of recent historical control values in this laboratory, there were no other indications of thyroid abnormality.

In females, hepatocellular adenoma was increased for trend ($p = 0.0153$) and pair-wise against control for the 20 ppm dose group (5/60 20 ppm dose group vs. 0/60 control, $p = 0.0386$). Overall, the response in terms of hepatocellular adenoma can be considered weak at the 20 ppm dose level. The only hepatocellular carcinoma observed in the study was at the high dose. Hepatocellular adenoma/carcinoma was increased for trend ($p = 0.0057$) and pair-wise against control for the 20 ppm dose group (6/60 20 ppm vs. 0/60 control, $p = 0.0204$).

Mammary fibroadenoma was decreased for trend ($p = 0.0152$) and pair-wise against control for the 20 ppm dose group (11/60 20 ppm vs. 20/60 control, $p = 0.0235$).

CONCLUSION

The chronic toxicity and carcinogenicity of the test material, Perfluorooctane sulfonic acid potassium salt (PFOS; T-6295) was assessed following dietary admixture to male and female Crl:CD®(SD)IGS BR rats at dose levels of 0.5, 2, 5, or 20 ppm. Based on anatomic pathology findings in the liver, the no-observable-adverse-effect level for Perfluorooctane sulfonic acid potassium salt (PFOS; T-6295) is considered to be 2 ppm.

SIGNATURES

Nii van Bruce-Konuah
Study Coordinator
Covance Laboratories Inc.

02 January 2002
Date

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

02 Jan 2002
Date

REFERENCES

Dunnett, C. W., "New Tables for Multiple Comparisons with a Control," *Biometrics*, *20*:482-491 (1964).

Levene, H., "Robust Tests for Equality of Variances," *Contributions to Probability and Statistics*, (eds.) I. Olkin *et al.*, Ch. 25, pp. 278-292, Stanford University Press: Stanford, California (1960).

Winer, B. J., "Design and Analysis of Single-Factor Experiments," *Statistical Principles in Experimental Design*, Second Ed., Ch. 3, pp. 149-260, McGraw-Hill: New York, New York (1971a).

Winer, B. J., "Analysis of Covariance," *Statistical Principles in Experimental Design*, Second Ed., Ch. 10, pp. 752-812, McGraw-Hill: New York, New York (1971b).

PATHOLOGY REPORT

SUMMARY

The purpose of this study was to assess the chronic toxicity and carcinogenicity of the test material, Perfluorooctane Sulfuric Acid Potassium Salt (PFOS) when administered in the diet to rats for at least 104 weeks. The test material was administered at dose levels of 0.5, 2, 5, and 20 ppm.

Dietary administration of PFOS for approximately 53 weeks was associated with mildly higher urea nitrogen for males and females fed 5 or 20 ppm; mildly lower glucose for males and females fed 20 ppm; mildly to moderately lower cholesterol for males and females fed 20 ppm; and mildly higher alanine aminotransferase for males fed 20 ppm. None of these effects were considered adverse. The effect on cholesterol was no longer apparent after 104 weeks of treatment. There was no effect on hepatic palmitoyl-CoA oxidase activity.

Terminal body weights in males and females at Week 14 were comparable between control and treated groups. At the Week 14 interim sacrifice, absolute and relative liver weights were significantly increased in the males given 20 ppm. In females given 20 ppm, only the liver-to-body weight percentage was significantly increased. Test material-related histomorphologic changes were limited to the liver in the males given 5 or 20 ppm and in the females given 20 ppm. The changes consisted of hypertrophy of hepatocytes in centrilobular areas in males and females, and midzonal to centrilobular hepatocytic vacuolation. The incidence and severity of the changes tended to be greater in the males.

At the Week 53 interim sacrifice, terminal body weights were significantly decreased in the females given 20 ppm. In the males, absolute and relative liver weights were increased in the group receiving 20 ppm. In addition, absolute and relative spleen weights were decreased in males given 20 ppm. There were no clear or consistent gross observations at the Week 53 interim sacrifice that could be attributed to the administration of the test material. At the Week 53 interim sacrifice, centrilobular hepatocytic hypertrophy and vacuolation was increased in incidence and severity in the males given 20 ppm. Generally, in the females given 20 ppm, only centrilobular

hypertrophy was seen, and the change was less severe than that noted in the males. In addition, minimal to slight centrilobular hepatocytic pigment was found in the females given 20 ppm. There were no other histomorphologic changes that could be associated with the administration of the test material. Liver findings in several unscheduled deaths given 20 ppm resembled those seen in animals sacrificed at Week 53.

At the terminal sacrifice, the livers of animals given 5 or 20 ppm exhibited a slight increase in macroscopic findings, including enlarged, mottled, diffuse darkened, or focally lightened. Hepatotoxicity, characterized by centrilobular hypertrophy, centrilobular eosinophilic hepatocytic granules, centrilobular hepatocytic pigment, or centrilobular hepatocytic vacuolation was noted in the animals given 5 or 20 ppm. An increase in eosinophilic clear cell altered foci and cystic hepatocellular degeneration was noted in the males given 2, 5, or 20 ppm.

The data suggests that the hepatotoxicity did not persist in the recovery-sacrifice animals.

In the unscheduled sacrifices between Weeks 54 and 105, animals given 20 ppm had increased hepatocellular centrilobular hypertrophy, eosinophilic hepatocytic granules, and centrilobular hepatocytic pigment were noted. Increased hepatocellular centrilobular hypertrophy was seen in animals given 5 ppm.

A complete discussion of statistically significant differences in the incidence of neoplasms may be found in the section entitles “Statistical Report of Survival, Nonneoplastic, and Neoplastic Lesions.”

METHODS

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

Group	Number of Animals		Dietary Levels
	Male	Female	(ppm T-6295)
1 (Control)	70	70	0
2 (Low)	60	60	0.5
3 (Mid)	60	60	2.0
4 (Mid-High)	60	60	5.0
5 (High)	70	70	20.0
6 (High Recovery)	40	40	20.0

The animals in Group 6 were designated as recovery animals and were treated for 52 weeks, then placed in recovery for an additional 52 weeks.

During Weeks 4, 14, 27, and 53, blood and urine were collected for hematology, clinical chemistry, urinalysis, and urine chemistry tests from 10 animals/sex in Groups 1 through 5. Blood was collected for cholesterol and triglyceride determinations from all animals prior to the terminal sacrifice during Weeks 105 and 106 (Week 103 for females in Group 3) and the recovery sacrifice (Group 6) during Weeks 105 and 106. Blood films were also prepared for animals at the terminal and recovery sacrifices.

Five animals/sex in Groups 1 through 5 were sacrificed during Week 4; livers were collected and weighed. A portion of the liver was shipped to the sponsor for PFOS analysis and mitochondrial activity, a portion was shipped to Pathology Associates International (PAI) for hepatocellular proliferation rate measurements by proliferation cell nuclear antigen (PCNA), and a third portion was used for determination of palmitoyl-CoA oxidase activity. During Weeks 14 and 53, necropsies were performed on five and 10 animals/sex, respectively, in Groups 1 through 5. Surviving females in Group 3 were sacrificed and necropsied during Week 103 because of reduced survival. The remaining animals in Groups 1 through 6 were sacrificed and necropsied during Weeks 105 and 106. At necropsy, macroscopic observations were recorded, organ weights were obtained (Weeks 14 and 53), and tissues were placed in fixative as specified by the protocol. In addition, liver samples were collected for PFOS analysis (Weeks 14, 53, 103, 105, and 106), hepatocellular proliferation rate measurement [by PCNA at Week 14 and by bromodeoxyuridine (BrdU) immunohistochemistry at Week 53], and palmitoyl-CoA oxidase determination (Week 14). A section of duodenum was also collected at Week 53 for BrdU immunohistochemistry. At the terminal and recovery sacrifices, sections of heart and liver from 10 animals/sex in Groups 1, 4, 5, and 6 were preserved in 2.0% parafomaldehyde/2.5% gluteraldehyde in 0.1M phosphate buffer, processed, and embedded in epoxy resin for possible future electron microscopy.

At unscheduled necropsies for animals that died or were sacrificed because of poor health, macroscopic observations were recorded, and tissues were placed in fixative, but organ weights were not obtained. Microscopic examinations were done on selected tissues (adrenals, brain, eyes, kidney, liver, mesenteric lymph node, pancreas, spleen, testes, and ovaries) from the animals necropsied during Week 14 and on all tissues from the animals in Groups 1 and 5 that were necropsied during Weeks 53, 105, and 106. In addition, microscopic examinations were done on the tissues from animals that died or were sacrificed due to poor health. Macroscopic lesions, liver, lung, kidneys, pancreas, thyroid, testes, and mammary gland (females) were examined for animals in Groups 2, 3, 4, and 6 that were sacrificed during Weeks 103, 105, and 106. Sections of liver were stained with Oil Red O and examined from five terminally sacrificed males and females in Groups 1 and 5. Also, urinary bladder was examined microscopically from all terminally sacrificed animals in Groups 2, 3, and 4, and from all animals at the recovery sacrifice.

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

RESULTS AND DISCUSSION

Clinical Pathology

Weeks 4, 14, 27, and 53. There were relatively few statistically significant or otherwise notable differences for clinical pathology results between the control and treated groups. Those differences that were the most consistent over time were considered to be associated with administration of the test material. These included mildly higher urea nitrogen for males and females fed 5 or 20 ppm; mildly lower glucose for males and females fed 20 ppm; mildly to moderately lower cholesterol for males and females fed 20 ppm; and mildly higher alanine aminotransferase for males fed 20 ppm.

There were no correlative microscopic renal findings for the minor change in urea nitrogen. The findings for alanine aminotransferase, and possibly for glucose and cholesterol, were likely associated with the histopathological findings of hepatocellular hypertrophy and vacuolation. None of the clinical pathology effects were considered adverse.

Of uncertain relationship to the test material were statistically higher urea nitrogen for males fed 2 ppm and statistically lower glucose for females fed 2 or 5 ppm at Week 53. These findings were not as consistent over time as those considered to be effects of the test material, and the magnitudes of these differences were very small.

All other statistically significant differences for clinical pathology results between the control and treated groups were considered incidental. Most of these differences did not affect animals fed the highest dose level, and none of these differences were consistent over time.

Week 103 (Day 719; Group 3 Females) and Week 105. As expected for rats of this age, the cholesterol and triglyceride results were extremely variable, especially for the males. Because of this naturally-occurring variability, the effect on cholesterol observed at earlier intervals was no longer clearly apparent. Although males and females fed 20 ppm had lower mean cholesterol concentrations than those of the other groups, the marked individual variability made it impossible to definitively identify a test material-related effect on cholesterol at Week 105.

The recovery males (Group 6) had a mean cholesterol concentration similar to that of the control males, but the recovery females had a mean cholesterol concentration that was similar to the females in Group 5. Once again, the marked individual variability for cholesterol obscured the significance of these findings.

Anatomical Pathology

Week 14, Terminal Body Weight and Organ Weights. Terminal body weights were comparable between control and treated groups. Absolute and relative liver weights were statistically significantly increased in the males given 20 ppm. In females given 20 ppm, only the liver-to-body weight percentage was significantly increased. The absolute spleen weight was significantly decreased in the females given 20 ppm, as was the absolute lung weight in females given 2, 5, or 20 ppm. Spurious, significant increases in left thyroid/parathyroid-to-body weight percentages were seen in females given 5 or 20 ppm.

Macroscopic Observations. There were no macroscopic observations that could be attributed to the administration of the test material.

Microscopic Observations. Test material-related histomorphologic changes were limited to the liver in the males given 5 or 20 ppm and in the females given 20 ppm. The changes consisted of hypertrophy of hepatocytes in centrilobular areas and midzonal to centrilobular hepatocytic vacuolation. The incidence and severity of the changes tended to be greater in the males.

There were no potentially test material-related lesions in the remaining tissues examined.

Week 53 Interim Sacrifice, Body and Organ Weights. In the females, terminal body weights were significantly decreased in the group given 20 ppm. Terminal body weights in the males were comparable between the control and treated group.

In the males, absolute and relative liver weights were increased in the group receiving 20 ppm. In addition, absolute and relative spleen weights were decreased in males given 20 ppm. Significantly decreased left thyroid/parathyroid weights were considered to be spurious due to the absence of a contralateral effect.

In view of the significant decrease in body weight for females given 20 ppm, significant increases in organ-to-body weight percentages for brain, kidney, liver, and spleen may be of no toxicological importance. Decreased absolute weights in the left adrenal gland and bilateral adrenal-to-brain weight ratios may also represent changes secondary to the body weight loss.

Macroscopic Observations. There were no clear or consistent gross observations at the Week 53 interim sacrifice that could be attributed to the administration of the test material.

Microscopic Observations. Centrilobular hepatocytic hypertrophy and vacuolation were increased in incidence and severity in the males given 20 ppm. Generally, in the females given 20 ppm, only centrilobular hypertrophy was seen, and the change was less severe than that noted in the males. In addition, minimal to slight centrilobular hepatocytic pigment was found in the females given 20 ppm. There were no other histomorphologic changes that could be associated with the administration of the test material.

Unscheduled Deaths Through Week 53

Large, mottled, or diffusely dark livers were noted in 2/3 males and 1/1 females given 20 ppm. There were no other gross observations that could be attributed to the administration of the test material. Microscopically, several animals given 20 ppm exhibited liver changes that were similar or related to those seen at the Week 53 interim sacrifice.

Terminal Sacrifice

Macroscopic Observations. The livers of animals given 5 or 20 ppm exhibited a slight increase in macroscopic findings, including enlarged, mottled, diffuse darkened, or focally lightened.

Microscopic Observations. Hepatotoxicity, characterized by centrilobular hypertrophy, centrilobular eosinophilic hepatocytic granules, centrilobular hepatocytic pigment, or centrilobular hepatocytic vacuolation was noted in animals given 5 or 20 ppm. An increase in eosinophilic clear cell altered foci and cystic hepatocellular degeneration was noted in the males given 2, 5, or 20 ppm. There were no clear differences in the Oil Red O stained sections between Groups 1 and 5.

Recovery Sacrifice

Macroscopic Observations. There were no consistent gross findings in the recovery sacrifice animals that could be attributed to the test material.

Microscopic Observations. The data suggests that the hepatotoxicity did not persist in the recovery-sacrifice animals.

Unscheduled Deaths Weeks 54-105

Macroscopic Observations. There were no consistent gross findings in the recovery sacrifice animals that could be attributed to the test material.

Microscopic Observations. Liver findings of the died-on-test or moribund sacrifice animals were generally similar to those seen in the terminally-sacrificed animals. Increased hepatocellular centrilobular hypertrophy, eosinophilic hepatocytic granules,

and centrilobular hepatocytic pigment were noted in the animals given 20 ppm. Increased hepatocellular centrilobular hypertrophy was seen in animals given 5 ppm.

Neoplasm Analysis - All Animals

A complete discussion of statistically significant differences in the incidence of neoplasms may be found in the section entitles "Statistical Report of Survival, Nonneoplastic, and Neoplastic Lesions."

Robert L. Hall, DVM, PhD
Diplomate, ACVP
(Clinical Pathology)

21 December 2001
Date

Richard D. Alsaker, DVM, MS
Diplomate, ACVP
Diplomate, ABT

21 December 2001
Date

CPS
Colorado Pathology Services, Inc.

Project Number P-1934

104-Week Dietary Chronic Toxicity and Carcinogenicity Study with Perfluorooctane Sulfonic Acid Potassium Salts (PFOS; T-6295) in Rats

Covance Study Number: 6329-183

PATHOLOGY PEER REVIEW

Submitted To:

Dr. Marvin Case
3M Pharmaceuticals
3M Center/Building 220-2E-02
Saint Paul, MN 55144

Submitted By:

Donald N. Kitchen, D.V.M., Ph.D.
Colorado Pathology Services, Inc.
54901 ME Road
Collbran, Colorado 81624

Donald N. Kitchen, D.V.M., Ph.D.
President, Colorado Pathology Services, Inc.
Veterinary Pathologist
Diplomate: ACVP

12/13/00
Date

54901 ME Road * Collbran, Colorado 81624 * (970) 487-0180 * Fax (970) 487-0181

Colorado Pathology Services, Inc. Project Number: P-1934

Introduction

A peer review of the histopathology portion of the study entitled: 104-Week Dietary Chronic Toxicity and Carcinogenicity Study with Perfluorooctane Sulfonic Acid Potassium Salts (PFOS; T-6295) in Rats was conducted at Covance, Madison, Wisconsin, By Donald N. Kitchen, D.V.M., PhD of Colorado Pathology Services, Inc., Collbran, Colorado. The tissues had been previously examined and the data tabulated by pathologist, Dr. Richard Alsacker, at Covance.

Experimental Design

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

	Number of Animals		Dietary Levels
Group	Male	Female	(ppm T-6295)
1 (Control)[a, b, c]	70	70	0
2 (Low)[b]	60	60	0.5
3 (Mid)[b]	60	60	2.0
4 (Mid-High)[b]	60	60	5.0
5 (High)[b, c]	70	70	20.0
6 (High Recovery)[d]	40	40	20.0

a. The control animals received the basal diet only.
b. Five animals/sex in Groups 1 and 5 were sacrificed at Weeks 4 and 14 for hepatocellular proliferation rate measurements, biochemical analysis.
c. Ten animals/sex in Groups 1 and 5 were designated as interim sacrifice animals. These animals were sacrificed after at least 52 weeks of treatment.
d. Animals in Group 6 were treated for at least 52 weeks, then treatment will be discontinued, and the animals were observed for reversibility, persistence, or delayed occurrence of toxic effects for at least 52 weeks posttreatment. During recovery, the animals received basal diet only.

Colorado Pathology Services, Inc. Project Number: P-1934

Methods

The peer review as conducted consisted of two tasks. The first task was the complete review of all slides and confirmation of all diagnoses for 10% of the rats in the control and high dose (Groups 1 and 5) including the recovery (Group 6) of study 6329-183. The animals for complete review were selected by Covance and included the following:

— Main Study ---			
Males		Females	
Control	Group 5	Control	Group 5
C92503	C92753	C92866	C93113
C92505	C92757	C92867	C93115
C92510	C92761	C92868	C93124
C92513	C92762	C92869	C93125
C92514	C92774	C92871	C93133
C92518	C92775	C92873	C93135
C92541	C92776	C92874	C93137

— Recovery Animals 10% —	
Males	Females
C92821	C93181
C92823	C93182
C92827	C93183
C92833	C93184

Colorado Pathology Services, Inc. Project Number: P-1934

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

Results

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

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

Summary

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

Donald N Kitchen 12/13/00

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

STATISTICAL REPORT OF SURVIVAL, NONNEOPLASTIC, AND NEOPLASTIC LESIONS

Methods

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

Nonneoplastic Lesions. Nonneoplastic lesions were chosen for statistical analyses if the incidence in at least one treated group (Groups 2 through 5) was increased or decreased by at least two occurrences over the control group (Group 1). The high recovery group (Group 6) was selected based on the incidence rate (%) if it was increased or decreased by at least two as compared to the control or high-dose (20.0 ppm) group. When there was only one incidence in the high-recovery and none in the other groups, that case was excluded from the statistical evaluation. These were analyzed by the Cochran-Armitage test for trend and the Fisher-Irwin exact test for control versus treatment comparisons (Thakur, Berry, and Mielke, 1985). One-sided tail probabilities for trend and group comparisons were evaluated at the 5.0% significance level and are reported in Text Tables 3 and 4 for males and females, respectively.

Neoplastic Lesions. Neoplastic lesions were chosen for statistical analyses using the same criteria as in the case of nonneoplastic lesions. The incidental tumors (i.e., tumors that were not assigned to be the cause of death of the animals by the study pathologist) were analyzed by logistic regression of tumor prevalence (Dinse and Lagakos, 1983). The logistic regression model included linear and quadratic terms in age (week of death), but the quadratic term was eliminated if there was a lack of convergence. The fatal and palpable (superficial) tumors were analyzed by Cox-Tarone binary regression method using the death time or the first palpation time (as applicable) as a surrogate for the tumor onset time. In the case of any particular tumor type where the study pathologist assigned the tumor in question being the cause of death of a subset of the animals and the rest of the animals were assumed to be dead of other competing risks, IARC-type (Peto et al,

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

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

In the nonneoplastic analyses, animals sacrificed early (Week 4) were excluded from the denominators. In the statistical evaluations of the neoplastic lesions, animals sacrificed early (during or before Week 14) were discounted from the number of animals at risk. In the neoplastic analyses, the low- (0.5 ppm), mid-(2.0 ppm), mid-high (5.0 ppm), and high recovery (20 ppm) groups that did not have complete histopathology examinations were excluded from statistical analyses.

In the text tables, the p-values under Group 1 (control) are for trend analysis and the p -values under Groups 2 (low), 3 (mid), 4 (mid-high), 5 (high) and 6 (high recovery) are for the comparison of that group versus the control group. Group 6 was also compared with Group 5, and the p-values for those comparisons are indicated in the text tables.

Trend analysis includes Groups 1, 2, 3, 4, and 5 only. Ordinal dose levels 0, 1, 2, 3, and 4 were used in all analyses for Groups 1, 2, 3, 4, and 5, respectively. Continuity correction was done for all asymptotic tests.

The following notations are used throughout this report designating direction and significance of effects.

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

Results and Discussion

Survival. As indicated in Text Table 1, a significant negative trend ($p = 0.0005$) for decreased mortality occurred in for the males and was associated with significant decreases in mortality in mid-high- (5.0 ppm) and high-dose (20.0 ppm) groups as compared to that of the control group ($p = 0.0115$ and 0.0292, respectively). None of the other treated groups in the males revealed any significant differences in mortality.

As indicated in Text Table 2, no significant trend was noted in mortalilty in females. There was a significant increase in mortality in the mid-dose (2.0 ppm) group ($p = 0.0015$) and not in the mid-high (5.0 ppm) and high-dose (20.0 ppm) groups as compared to that of the control.

Nonneoplastic Lesions. The liver, pancreas, and thyroid in both sexes have been identified as appropriate to perform statistical analysis for nonneoplastic lesions.

As indicated in Text Table 3, there were significant positive trends in the incidences of hepatocellular centrilobular hypertrophy, liver eosinophilic centrilobular granular cytoplasm, and hepatocellular midzonal/centrilobular vacuolation ($p \leq 0.01$ for all the cases) for males. These cases were associated with significant increases in the high-dose (20.0 ppm) group ($p \leq 0.01$ for all the cases) when compared to those of the control group. In addition, there were significantly increased incidences in the mid- (2.0 ppm) and mid-high-dose (5.0 ppm) groups for hepatocellular centrilobular hypertrophy

(p = 0.0415 and 0.0000, respectively) and the mid-high-dose (5.0 ppm) group for hepatocellular midzonal/centrilobular vacuolation (p = 0.0024) as compared to the control in this sex. However, the male high-dose recovery (20.0 ppm) group animals in all these cases exhibited significantly decreased incidences over the high-dose (20.0 ppm) group ($p \leq 0.01$ for all the cases), implying that the effect may be transient (reversible) in nature. Significant positive trends were also noted for hepatocellular centrilobular pigment and liver individual hepatocyte necrosis (p = 0.0006 and 0.0106, respectively) in association with significant increases in the respective high-dose (20.0 ppm) group over the control (p = 0.0139 and 0.0224, respectively). A significant positive trend was detected for cystic degeneration in association with significantly increased incidences in all the dose groups as compared to the control ($p \leq 0.01$ for Groups 2 through 6 vs. 1, respectively). Furthermore, a significant positive trend without any significant group effect was noted for liver degeneration/necrosis centrilobular (p = 0.0132). Marginally significant increases over the control were observed in the mid-high-dose (5.0 ppm) group incidences for hepatocellular altered basophilic focus and liver coagulative necrosis (p = 0.0352 and 0.0351, respectively) and in the mid-dose (2.0 ppm) group for pancreatic interstitial fat infiltration (p = 0.0133) without any significant trends.

As indicated in Text Table 4, there were significant positive trends in the incidences of hepatocellular centrilobular hypertrophy and liver eosinophilic centrilobular granular cytoplasm ($p \leq 0.01$ for both cases) for the females. These cases were associated with significant increases in respective mid-high (5.0 ppm) and high-dose (20.0 ppm) groups ($p \leq 0.01$ for all the cases) when compared to that of the control group. Significant positive trends were also noted for hepatocellular centrilobular pigment and liver individual hepatocyte necrosis (p = 0.0000 and 0.0359, respectively). These cases were associated with significant increases in the respective high-dose (20.0 ppm) group (p = 0.0000 and 0.0500, respectively) when compared to that of the control group. However, the high-dose recovery (20.0 ppm) group animals in all the above cases exhibited significantly decreased incidences over the high-dose (20.0 ppm) group ($p \leq 0.01$ for all the cases, except for liver individual hepatocyte necrosis (p = 0.0329) implying that the effect may be transient in nature. A significant positive trend in association with a significant increase in the high-dose (20.0 ppm) group was found for lymphohistiocytic infiltration in the liver (p = 0.0080 for trend and 0.0038 for high-dose versus control). A significant positive trend was also noted for cystic degeneration in the liver (p = 0.0187). However, no significant group comparison was detected. In addition, there was a significant positive trend in the incidences of pigmented macrophage

infiltration in the liver (p = 0.0000). This was associated with significant increases in the high-dose (20.0 ppm) and high-dose recovery (20.0 ppm) groups as compared to the control (p = 0.0000 and 0.0147, respectively). However, the high-dose recovery (20.0 ppm) group animals exhibited significantly decreased incidences over the high-dose (20.0 ppm) group (p = 0.0383). A marginally significant positive trend was noted for Zymogen decreased granules in the pancreas (p = 0.0488). This was associated with significant increases in all dosed groups (p = 0.0093, 0.0011, 0.0329, 0.0127, and 0.0030 for Group 2 through 6 versus 1, respectively) when compared to the control. Significant increases were also observed over the control in the mid-dose (2.0 ppm) incidences of hepatocellular periportal vacuolation (p = 0.0358) and the low-dose (0.5 ppm) incidences of liver hematopoiesis extramedullary (p = 0.0.0352). However, no significant trends were associated with them. A significant negative trend was observed for hepatocellular hypertrophy periportal (p = 0.0026). This was associated with a significant decrease in the high-dose (20.0 ppm) group (p = 0.0127) as compared to that of the control The high-dose recovery (20.0 ppm) animals in this case exhibited significantly increased incidences (p = 0.0344) when compared to the high-dose (20.0 ppm) group. Significant negative trends were also noted for angiectasis and congestion in the liver (p = 0.0231 and 0.0451, respectively) and islet cell hyperplasia in the pancreas (p=0.0372). However, no significant group comparisons were found for these cases.

Neoplastic Lesions. As indicated in Text Table 5, a significant positive trend was noted in the incidences of liver hepatocellular adenoma for males (p = 0.0276). This was associated with a significant increase in the high-dose (20.0 ppm) group over the control (p = 0.0456). The high-dose recovery (20.0 ppm) group animals in this case exhibited a significantly decreased incidence when compared to that of the high-dose (20.0 ppm) group (p = 0.0240). Significantly increased incidences were observed for thyroid follicular cell adenoma in the high-dose recovery (20.0 ppm) group when compared to either the control or the high-dose (20.0 ppm) group (p= 0.0280 and 0.0121, respectively). There was also a significant increase in the combined (adenoma and carcinoma) thyroid follicular cell tumors in the high-dose recovery (20.0 ppm) group animals as compared to that of the high-dose (20.0 ppm) group (p = 0.0125). None of these cases were associated with any significant trend. Thyroid follicular cell carcinoma did not show any significant effect.

There were no other significant neoplastic findings in the males.

As indicated in Text Table 6, significant positive trends were observed in the incidences of hepatocellular adenoma ($p = 0.0153$) and hepatocellular combined adenoma and carcinoma ($p = 0.0057$) in the females. These cases were associated with significant increases in the high-dose (20.0 ppm) group as compared to the control ($p \leq 0.05$ for both cases). All these tumors were incidental and noted at the terminal sacrifice. A marginally significant increase for thyroid follicular cell adenoma and carcinoma combined was observed in the mid-high (5.0 ppm) group ($p = 0.0471$) but not in the high-dose (20.0 ppm) group as compared to the control group. In fact, thyroid C-cell adenoma and thyroid C-cell combined adenoma and carcinoma actually showed significant decreases in the high-dose (20.0 ppm) group as compared to the control ($p = 0.0336$ for both cases). There were significant negative trends in the incidences of mammary fibroadenoma and mammary combined adenoma and fibroadenoma ($p \leq 0.05$ for both cases). These cases were associated with significantly lower incidences in the respective high-dose (20.0 ppm) group ($p \leq 0.05$ for both cases) when compared to that of the control. However, the low-dose (0.5 ppm) group animals for these cases exhibited significant increases over the control ($p \leq 0.05$ for both cases). A significant decreased incidence was found for the high-dose recovery (20.0 ppm) group in the incidences of mammary carcinoma ($p = 0.0161$) as compared to the high-dose (20.0 ppm) group. There was no other significant group effect in mammary carcinoma. There was a marginal significant negative trend for the mammary combined fibroadenoma/adenoma/carcinoma ($p = 0.0482$). However, the low- (0.5 ppm) and mid-high (5.0 ppm) groups for this case exhibited significantly increased incidences over the control ($p = 0.0474$ and 0.0066, respectively).

There were no other significant neoplastic findings in the females.

References

Dinse, G.E. and Lagakos, S.W., "Regression analysis of tumor prevalence data," *Journal of Royal Statistical Society Series C (Applied Statistics)*, 32: 236-248 (1983).

Gart, J.J., Krewski, D., Lee, P.N., Tarone, R.E., and Wahrendorf, J., *Statistical Methods in Cancer Research: The Design and Analysis of Long-Term Animal Experiments*, IARC Scientific Publications, Vol. 3, No. 79, Oxford University Press, New York (1986).

LogXact-Turbo, Cytel Software Corporation, Version 1.1, Cambridge, Massachusetts, 1993.

McConnell, E.E., Solleveld, H.A., Swenberg, J.A., and Boorman, G.A., "Guidelines for combining neoplasms for evaluation of rodent carcinogenicity studies," *Journal of National Cancer Institute,* 76:283-289 (1986).

Peto, R., Pike, M.C., Day, N.E., Gray, R.G., Lee, P.N., Parish, S., Peto, J., Richards, S., and Wahrendorf, J., "*Guidelines for simple, sensitive significance tests for carcinogenic effects in long-term animal experiments, in Long-term and Short-term Screening Assays for Carcinogens: A Critical Appraisal*," Lyon: International Agency for Cancer Research (IARC), 311-426 (1980).

Thakur, A.K., K.J. Berry, and Mielke, P.W., Jr., "A FORTRAN program for testing trend and homogeneity in proportions," *Computer Programs in Biomedicine*, 19: 229-233 (1985).

Thomas, D.G., Breslow, N., and Gart, J. J., "Trend and homogeneity analyses of proportions and life table data," *Computers and Biomedical Research*, 10:373-381 (1977).

Arjun Roy

Arjun Roy, MA
Staff Scientist and Biostatistician
Department of Safety Assessment and Biostatistics

26 Dec., 2001
Date

Ajit K. Thakur, PhD
Principal Scientist and Biostatistician
Department of Safety Assessment and Biostatistics

24 Dec., 2001
Date

Text Table 1

Results of Statistical Analyses of Survival Data for Male Rats

Group	1 Control	2 Low	3 Mid	4 Mid-High	5 High	6 High Recovery
Unadjusted Mortality	39/70	40/60	33/60	25/60	29/70	30/40
(Rate)	.557	.667	.550	.417	.414	.750
Adjusted Mortality:						
Kaplan-Meier Estimate (Final)	.778	.800	.660	.500	.565	.750
Standard Error	.059	.057	.067	.071	.070	.068

	Cox-Tarone Test
Trend (Groups 1 - 5) p (one-sided)	.0005 -**
Groups 1 vs 2 p (two-sided)	.9849 -
Groups 1 vs 3 p (two-sided)	.1820 -
Groups 1 vs 4 p (two-sided)	.0115 -*
Groups 1 vs 5 p (two-sided)	.0292 -*
Groups 1 vs 6 p (two-sided)	.7372 -
Groups 5 vs 6 p (two-sided)	.0980 +

Text Table 2

Results of Statistical Analyses of Survival Data for Female Rats

Group	1 Control	2 Low	3 Mid	4 Mid-High	5 High	6 High Recovery
Unadjusted Mortality	26/70	35/60	41/60	35/60	25/70	23/40
(Rate)	.371	.583	.683	.583	.357	.575
Adjusted Mortality:						
Kaplan-Meier Estimate (Final)	.520	.700	.820	.700	.498	.575
Standard Error	.071	.065	.054	.065	.071	.078

	Cox-Tarone Test
Trend (Groups 1 - 5) p (one-sided)	.3394 -
Groups 1 vs 2 p (two-sided)	.1700 +
Groups 1 vs 3 p (two-sided)	.0015 +**
Groups 1 vs 4 p (two-sided)	.2338 +
Groups 1 vs 5 p (two-sided)	.8644 -
Groups 1 vs 6 p (two-sided)	.9407 +
Groups 5 vs 6 p (two-sided)	.6113 +

Text Table 3

Results of Statistical Analyses of Nonneoplastic Lesions in the Males

Group	1 Control	2 Low	3 Mid	4 Mid-High	5 High	6 High Recovery	Groups 5 vs. 6
Liver - Infiltrate, Lymphohistiocytic							
	51/65	43/55	44/55	45/55	45/65	31/40	
p-values	.1836 -	.5720 -	.5090 +	.4111 +	.1592 -	NA	.2450 +
Liver - Hypertrophy, Hepatocellular Centrilobular							
	0/65	2/55	4/55	22/55	42/65	3/40	
	.0000 +**	.2080 +	.0415 +*	.0000 +**	.0000 +**	.0527 +	.0000 -**
Liver - Granular Cytoplasm, Eosinophilic, Centrilobular							
	0/65	0/55	0/55	0/55	14/65	0/40	
	.0000 +**	NA	NA	NA	.0000 +**	NA	.0007 -**
Liver - Pigment Hepatocellular, Centrilobular							
	0/65	0/55	0/55	0/55	6/65	0/40	
	.0006 +**	NA	NA	NA	.0139 +*	NA	.0513 -
Liver - Necrosis, Individual Hepatocyte							
	5/65	4/55	6/55	5/55	14/65	4/40	
	.0106 +*	NA	NA	NA	.0224 +*	.4699 +	.1024 -
Liver - Vacuolation, Hepatocellular Midzonal / Centrilobular							
	3/65	3/55	6/55	13/55	19/65	3/40	
	.0000 +**	NA	.1696 +	.0024 +**	.0001 +**	.4152 +	.0060 -**

Text Table 3 (Continued)

Results of Statistical Analyses of Nonneoplastic Lesions in the Males

Group	1 Control	2 Low	3 Mid	4 Mid-High	5 High	6 High Recovery	Groups 5 vs. 6
Liver - Focus, Altered Hepatocellular, Clear / Eosinophilic Cell							
	20/65	21/55	23/55	24/55	24/65	16/40	
p-values	.1948 +	NA	.1431 +	.1026 +	.2892 +	.2243 +	.4553 +
Liver - Focus, Altered Hepatocellular, Basophilic							
	10/65	7/55	16/55	17/55	13/65	8/40	
p-values	.0663 +	.4414 -	.0556 +	.0352 +*	.3232 +	.3616 +	NA
Liver - Degeneration, Cystic							
	5/65	15/55	19/55	17/55	22/65	15/40	
p-values	.0007 +**	.0041 +**	.0003 +**	.0011 +**	.0002 +**	.0002 +**	.4306 +
Liver - Necrosis, Coagulative							
	1/65	4/55	1/55	6/55	2/65	4/40	
p-values	.2563 +	.1346 +	NA	.0351 +*	NA	.0683 +	.1471 +
Liver - Hematopoiesis, Extramedullary							
	4/65	3/55	8/55	3/55	7/65	5/40	
p-values	.2161 +	NA	.1111 +	NA	.2652 +	.2187 +	NA
Liver - Hyperplasia, Bile Duct							
	20/65	20/55	25/55	24/55	25/65	21/40	
p-values	.1351 +	NA	.0713 +	.1026 +	.2305 +	.0224 +*	.1141 +

Text Table 3 (Continued)

Results of Statistical Analyses of Nonneoplastic Lesions in the Males

Group	1 Control	2 Low	3 Mid	4 Mid-High	5 High	6 High Recovery	Groups 5 vs. 6
Liver - Fibrosis, Peribiliary							
	8/65	7/55	11/55	7/55	14/65	4/40	
p-values	.1057 +	NA	.1842 +	NA	.1209 +	.4901 -	.1024 -
Liver - Hypertrophy, Hepatocellular Periportal							
	4/65	1/55	7/55	2/55	2/65	5/40	
p-values	.3303 -	.2387 -	.1773 +	.4222 -	.3400 -	.2187 +	.0719 +
Liver - Infiltrate, Macrophage, Pigmented							
	6/65	5/55	3/55	4/55	5/65	2/40	
p-values	.3554 -	NA	.3357 -	.4813 -	NA	.3491 -	.4588 -
Liver - Vacuolation, Hepatocellular							
	6/65	2/55	3/55	1/55	7/65	3/40	
p-values	.4677 +	.1976 -	.3357 -	.0881 -	NA	NA	.4254 -
Liver - Degeneration / Necrosis Centrilobular							
	1/65	0/55	0/55	1/55	5/65	1/40	
p-values	.0132 +*	NA	NA	NA	.1039 +	NA	.2566 -
Liver - Glycogen, Hepatocellular, Increased							
	1/65	3/55	0/55	0/55	1/65	0/40	
p-values	.2206 -	.2491 +	NA	NA	NA	NA	NA

Text Table 3 (Continued)

Results of Statistical Analyses of Nonneoplastic Lesions in the Males

Group	1 Control	2 Low	3 Mid	4 Mid-High	5 High	6 High Recovery	Groups 5 vs. 6
Liver - Angiectasis							
	1/65	1/55	2/55	0/55	2/65	0/40	
p-values	NA	NA	NA	NA	NA	NA	.3810 -
Liver - Lipidosis Subcapsular							
	0/65	0/55	3/55	1/55	0/65	0/40	
p-values	.4317 +	NA	.0934 +	NA	NA	NA	NA
Pancreas - Zymogen Granules, Decreased							
	11/65	15/54	11/55	14/55	16/65	8/40	
p-values	.2162 +	.1145 +	NA	.1785 +	.1937 +	.4406 +	.3831 -
Pancreas - Infiltrate, Lymphohistiocytic							
	2/65	2/54	1/55	4/55	1/65	1/40	
p-values	.4593 -	NA	NA	.2641 +	NA	NA	NA
Pancreas - Infiltrate, Macrophage, Pigmented							
	24/65	17/54	18/55	13/55	19/65	13/40	
p-values	.1172 -	.3350 -	.3873 -	.0845 -	.2281 -	.4031 -	.4437 +
Pancreas - Atrophy, Acinar							
	7/65	7/54	8/55	9/55	7/65	3/40	
p-values	.4354 +	NA	NA	.2642 +	NA	.4254 -	.4254 -

Text Table 3 (Continued)

Results of Statistical Analyses of Nonneoplastic Lesions in the Males

Group	1 Control	2 Low	3 Mid	4 Mid-High	5 High	6 High Recovery	Groups 5 vs. 6
Pancreas - Hypertrophy / Basophilia, Acinar Cells							
	2/65	3/54	0/55	1/55	3/65	3/40	
p-values	.4568 -	NA	.2913 -	NA	NA	.2812 +	.4152 +
Pancreas - Inflammation, Vascular							
	2/65	1/54	4/55	4/55	1/65	4/40	
p-values	.4632 +	NA	.2641 +	.2641 +	NA	.1471 +	.0683 +
Pancreas - Infiltration, Fat, Interstitial							
	11/65	16/54	20/55	14/55	12/65	6/40	
p-values	.4908 -	.0768 +	.0133 +*	.1785 +	NA	NA	.4302 -
Pancreas - Thrombus							
	1/65	0/54	0/55	0/55	0/65	2/40	
p-values	NA	NA	NA	NA	NA	.5112 -	.1429 +
Thyroid - Hyperplasia, C-Cell							
	9/60	8/49	10/50	7/49	9/59	4/39	
p-values	.4920 -	NA	NA	.5687 -	NA	.3586 -	.3467 -
Thyroid - Dilatation / Cyst, Follicular							
	6/60	3/49	3/50	9/49	8/59	2/39	
p-values	.0966 +	.3558 -	.3440 -	.1631 +	.3756 +	.3196 -	.1568 -

Text Table 4

Results of Statistical Analyses of Nonneoplastic Lesions in the Females

Group	1 Control	2 Low	3 Mid	4 Mid-High	5 High	6 High Recovery	Groups 5 vs. 6
Liver - Infiltrate, Lymphohistiocytic							
	42/65	42/55	38/55	41/55	56/65	32/40	
p-values	.0080 +**	NA	.3738 +	NA	.0038 +**	.0709 +	.2852 -
Liver - Hypertrophy, Hepatocellular, Centrilobular							
	2/65	1/55	4/55	16/55	52/65	2/40	
	.0000 +**	NA	.2641 +	.0001 +**	.0000 +**	NA	.0000 -**
Liver - Granular Cytoplasm, Eosinophilic, Centrilobular							
	0/65	0/55	0/55	7/55	36/65	1/40	
	.0000 +**	NA	NA	.0034 +**	.0000 +**	.3810 +	.0000 -**
Liver - Pigment, Hepatocellular, Centrilobular							
	0/65	0/55	0/55	1/55	36/65	0/40	
	.0000 +**	NA	NA	NA	.0000 +**	NA	.0000 -**
Liver - Necrosis, Individual Hepatocyte							
	7/65	6/55	6/55	6/55	15/65	3/40	
	.0359 +*	NA	NA	NA	.0500 +*	.4254 -	.0329 -*
Liver - Vacuolation, Hepatocellular, Midzonal / Centrilobular							
	1/65	1/55	0/55	1/55	4/65	1/40	
	.0753 +	NA	NA	NA	.1826 +	NA	.3660 -

Text Table 4 (Continued)

Results of Statistical Analyses of Nonneoplastic Lesions in the Females

Group	1 Control	2 Low	3 Mid	4 Mid-High	5 High	6 High Recovery	Groups 5 vs. 6
Liver - Vacuolation, Hepatocellular, Periportal							
	15/65	15/55	22/55	16/55	22/65	11/40	
p-values	.1052 +	NA	.0358 +*	NA	.1217 +	.3877 +	.3235 -
Liver - Focus, Altered Hepatocellular, Clear / Eosinophilic Cell							
	27/65	21/55	18/55	17/55	21/65	13/40	
p-values	.0985 -	.4263 -	.2109 -	.1553 -	.1818 -	.2367 -	NA
Liver - Focus, Altered Hepatocellular, Basophilic							
	16/65	20/55	13/55	21/55	20/65	11/40	
p-values	.2314 +	.1153 +	.5367 -	.0801 +	.2785 +	.4573 +	.4487 -
Liver - Degeneration, Cystic							
	0/65	1/55	1/55	2/55	4/65	1/40	
p-values	.0187 +*	NA	NA	.2080 +	.0596 +	.3810 +	.3660 -
Liver - Necrosis, Coagulative							
	3/65	2/55	4/55	2/55	2/65	2/40	
p-values	.3857 -	NA	NA	NA	NA	NA	NA
Liver - Hematopoiesis, Extramedullary							
	10/65	17/55	15/55	8/55	7/65	5/40	
p-values	.0721 -	.0352 +*	.0851 +	.5528 -	.3020 -	.4579 -	NA

Text Table 4 (Continued)

Results of Statistical Analyses of Nonneoplastic Lesions in the Females

Group	1 Control	2 Low	3 Mid	4 Mid-High	5 High	6 High Recovery	Groups 5 vs. 6
Liver - Hyperplasia, Bile Duct							
	23/65	25/55	19/55	17/55	30/65	17/40	
p-values	.3266 +	.1749 +	.5389 -	.3738 -	.1421 +	.2999 +	.4358 -
Liver - Fibrosis, Peribiliary							
	9/65	13/55	4/55	9/55	10/65	4/40	
p-values	.4341 -	.1264 +	.1960 -	NA	NA	.3987 -	.3168 -
Liver - Hypertrophy, Hepatocellular, Periportal							
	12/65	10/55	9/55	4/55	3/65	7/40	
p-values	.0026 -**	.5796 -	.4778 -	.0614 -	.0127 -*	NA	.0344 +*
Liver - Infiltrate, Macrophage, Pigmented							
	2/65	3/55	5/55	6/55	23/65	7/40	
p-values	.0000 +**	NA	.1567 +	.0889 +	.0000 +**	.0147 +*	.0383 -*
Liver - Vacuolation, Hepatocellular							
	3/65	2/55	0/55	3/55	3/65	2/40	
p-values	.4582 +	NA	.1555 -	NA	NA	NA	NA
Liver - Cyst, Biliary							
	3/65	1/55	1/55	1/55	4/65	2/40	
p-values	.3708 +	.3749 -	.3749 -	.3749 -	NA	NA	NA

Text Table 4 (Continued)

Results of Statistical Analyses of Nonneoplastic Lesions in the Females

Group	1 Control	2 Low	3 Mid	4 Mid-High	5 High	6 High Recovery	Groups 5 vs. 6
Liver - Inflammation, Subacute							
	2/65	0/55	0/55	0/55	1/65	0/40	
p-values	.2760 -	.2913 -	.2913 -	.2913 -	NA	.3810 -	NA
Liver - Angiectasis							
	6/65	1/55	2/55	1/55	1/65	2/40	
p-values	.0231 -*	.0881 -	.1976 -	.0881 -	.0574 -	.3491 -	.3232 +
Liver - Congestion							
	2/65	2/55	1/55	0/55	0/65	0/40	
p-values	.0451 -*	NA	NA	.2913 -	.2481 -	.3810 -	NA
Pancreas - Zymogen Granules, Decreased							
	3/65	11/55	14/55	9/55	12/65	10/40	
p-values	.0488 +*	.0093 +**	.0011 +**	.0329 +*	.0127 +*	.0030 +**	.2879 +
Pancreas - Infiltrate, Lymphohistiocytic							
	3/65	0/55	2/55	3/55	3/65	1/40	
p-values	.2999 +	.1555 -	NA	NA	NA	.5071 -	.5071 -
Pancreas - Hyperplasia, Islet Cells							
	2/65	1/55	0/55	0/55	0/65	0/40	
p-values	.0372 -*	NA	.2913 -	.2913 -	.2481 -	.3810 -	NA

Text Table 4 (Continued)

Results of Statistical Analyses of Nonneoplastic Lesions in the Females

Group	1 Control	2 Low	3 Mid	4 Mid-High	5 High	6 High Recovery	Groups 5 vs. 6
Pancreas - Atrophy, Acinar							
	2/65	3/55	5/55	2/55	4/65	3/40	
p-values	.3303 +	NA	.1567 +	NA	.3400 +	.2812 +	NA
Pancreas - Hypertrophy / Basophilia, Acinar Cells							
	1/65	5/55	2/55	1/55	0/65	1/40	
p-values	.1017 -	.0698 +	NA	NA	NA	NA	.3810 +
Pancreas - Infiltration, Fat, Interstitial							
	10/65	7/55	4/55	9/55	6/65	7/40	
p-values	.2520 -	.4414 -	.1367 -	NA	.2120 -	.4888 +	.1721 +
Thyroid - Hyperplasia, C-Cell							
	20/60	19/50	19/50	15/50	19/60	16/40	
p-values	.3153 -	NA	NA	.4342 -	NA	.3190 +	.2598 +

Text Table 5

Results of Statistical Analyses of Neoplastic Lesions - Male Rats

Group	1 Control	2 Low	3 Mid	4 Mid-High	5 High	6 High Recovery	Groups 5 vs 6
Brain - Astrocytoma, Malignant							
Fatal Incidence	1				0		
Incidental Incidence	1				0		
Total Incidence Rate	2/60	0/40	0/40	1/30	0/60	0/34	
One-sided p-value					.3955 -		
Liver - Hepatocellular, Adenoma							
Fatal Incidence	0	0	1	0	0	0	
Incidental Incidence	0	3	2	1	7	0	
Total Incidence Rate	0/60	3/50	3/50	1/50	7/60	0/40	
One-sided p-value	.0276 +*	.1345 +	.0689 +	NA	.0456 +*E	NA	.0240 -*
Pancreas - Islet Cell, Adenoma							
Fatal Incidence	0	0	0	0	0	0	
Incidental Incidence	4	3	4	4	4	1	
Total Incidence Rate	4/60	3/49	4/50	4/50	4/60	1/40	
One-sided p-value	NA	NA	NA	NA	NA	.2824 -	.3021 -

Text Table 5 (Continued)

Results of Statistical Analyses of Neoplastic Lesions - Male Rats

Group	1 Control	2 Low	3 Mid	4 Mid-High	5 High	6 High Recovery	Groups 5 vs 6
Pancreas - Islet Cell, Carcinoma							
Fatal Incidence	0	1	0	0	0	0	
Incidental Incidence	1	1	2	5	5	3	
Total Incidence Rate	1/60	2/49	2/50	5/50	5/60	3/40	
One-sided p-value	.0681 +	NA	NA	.2487 +	.2435 +	.2834 +	.4972 -
Pancreas - Islet Cell, Adenoma/Carcinoma							
Fatal Incidence	0	1	0	0	0	0	
Incidental Incidence	5	4	6	8	9	4	
Total Incidence Rate	5/60	5/49	6/50	8/50	9/60	4/40	
One-sided p-value	.1341 +	NA	NA	.2904 +	.2027 +	NA	.3709 -
Adrenal Cortex - Adenoma							
Fatal Incidence	0				0		
Incidental Incidence	3				1		
Total Incidence Rate	3/60	0/42	1/33	2/26	1/60	0/30	
One-sided p-value					.2238 -		

Text Table 5 (Continued)

Results of Statistical Analyses of Neoplastic Lesions - Male Rats

Group	1 Control	2 Low	3 Mid	4 Mid-High	5 High	6 High Recovery	Groups 5 vs 6
Adrenal Medulla - Pheochromocytoma, Benign							
Fatal Incidence	0				0		
Incidental Incidence	3				5		
Total Incidence Rate	3/60	6/42	5/33	3/26	5/60	1/30	
One-sided p-value					.3519 +		
Adrenal Medulla - Pheochromocytoma, Malignant							
Fatal Incidence	0				0		
Incidental Incidence	1				1		
Total Incidence Rate	1/60	2/42	0/33	0/26	1/60	0/30	
Note: Incidences across groups do not meet selection criterion.							
Adrenal Medulla - Pheochromocytoma, Benign/Malignant							
Fatal Incidence	0				0		
Incidental Incidence	3				6		
Total Incidence Rate	3/60				6/60	1/30	
One-sided p-value					.4033 +		

Text Table 5 (Continued)

Results of Statistical Analyses of Neoplastic Lesions - Male Rats

Group	1 Control	2 Low	3 Mid	4 Mid-High	5 High	6 High Recovery	Groups 5 vs 6
Testis - Interstitial Cell Tumor, Benign							
Fatal Incidence	0	0	0	0	0	0	
Incidental Incidence	1	1	2	2	1	1	
Total Incidence Rate	1/60	1/50	2/50	2/50	1/60	1/39	
Note: Incidences across groups do not meet selection criterion.							
Testis - Interstitial Cell Tumor, Malignant							
Fatal Incidence	0	0	0	0	0	0	
Incidental Incidence	0	0	0	1	0	0	
Total Incidence Rate	0/60	0/50	0/50	1/50	0/60	0/39	
Note: Incidences across groups do not meet selection criterion.							
Testis - Interstitial Cell Tumor, Benign/Malignant							
Fatal Incidence	0	0	0	0	0	0	
Incidental Incidence	1	1	2	3	1	1	
Total Incidence Rate	1/60	1/50	2/50	3/50	1/60	1/39	
One-sided p-value	.4583 +	NA	NA	.3760 +	NA	NA	NA

Text Table 5 (Continued)

Results of Statistical Analyses of Neoplastic Lesions - Male Rats

Group	1 Control	2 Low	3 Mid	4 Mid-High	5 High	6 High Recovery	Groups 5 vs 6
Thyroid - C-Cell, Adenoma							
Fatal Incidence	0	0	0	0	0	0	
Incidental Incidence	5	6	6	9	7	4	
Total Incidence Rate	5/60	6/49	6/50	9/49	7/59	4/39	
One-sided p-value	.3844 +	NA	NA	.2803 +	.3745 +	NA	.3752 -
Thyroid - C-Cell, Carcinoma							
Fatal Incidence			0		0	0	
Incidental Incidence			1		0	1	
Total Incidence Rate	0/60	0/49	1/50	0/49	0/59	1/39	
Note: Incidences across groups do not meet selection criterion.							
Thyroid - C-Cell, Adenoma/Carcinoma							
Fatal Incidence	0	0	0	0	0	0	
Incidental Incidence	5	6	7	9	7	5	
Total Incidence Rate	5/60	6/49	7/50	9/49	7/59	5/39	
One-sided p-value	.4037 +	NA	.3945 +	.2803 +	.3745 +	.4858 +	.4952 +

Text Table 5 (Continued)

Results of Statistical Analyses of Neoplastic Lesions - Male Rats

Group	1 Control	2 Low	3 Mid	4 Mid-High	5 High	6 High Recovery	Groups 5 vs 6
Thyroid - Follicular Cell, Adenoma							
Fatal Incidence	0	0	0	0	0	0	
Incidental Incidence	3	5	4	4	4	9	
Total Incidence Rate	3/60	5/49	4/50	4/49	4/59	9/39	
One-sided p-value	.4998 -	.3967 +	NA	NA	NA	.0280 +*	.0121 +*
Thyroid - Follicular Cell, Carcinoma							
Fatal Incidence	0	0	0	0	0	0	
Incidental Incidence	3	1	1	2	1	1	
Total Incidence Rate	3/60	1/49	1/50	2/49	1/59	1/39	
One-sided p-value	.2210 -	.3855 -	.2448 -	NA	.1734 -	.4280 -	NA
Thyroid - Follicular Cell, Adenoma/Carcinoma							
Fatal Incidence	0	0	0	0	0	0	
Incidental Incidence	6	6	5	5	5	10	
Total Incidence Rate	6/60	6/49	5/50	5/49	5/59	10/39	
One-sided p-value	.2520 -	NA	NA	NA	NA	.0970 +	.0125 +*

Text Table 5 (Continued)

Results of Statistical Analyses of Neoplastic Lesions - Male Rats

Group	1 Control	2 Low	3 Mid	4 Mid-High	5 High	6 High Recovery	Groups 5 vs 6
Muscle Skeletal - Sarcoma Undifferentiated, Malignant							
Fatal Incidence	1				0		
Incidental Incidence	1				0		
Total Incidence Rate	2/60	0/40	0/33	0/25	0/60	0/30	
One-sided p-value					.2136 -		
Pituitary - Adenoma							
Fatal Incidence	18	21	20	14	12	15	
Incidental Incidence	19	8	22	17	25	13	
Total Incidence Rate	37/60	29/45	42/46	31/36	37/59	28/38	
One-sided p-value	NA	NA	NA	NA	NA	.4448 +	.1455 +
Skin - Keratoacanthoma							
Total Incidence Rate	1/60	4/43	4/37	6/31	5/60	6/33	
One-sided p-value	NA	NA	NA	NA	.1612 +	NA	NA
Multiple Tumor - Lipoma							
Total Incidence Rate	0/60	1/43	0/50	0/50	3/60	0/40	
One-sided p-value	NA	NA	NA	NA	.2088 +	NA	.2149 -

Text Table 5 (Continued)

Results of Statistical Analyses of Neoplastic Lesions - Male Rats

Group	1 Control	2 Low	3 Mid	4 Mid-High	5 High	6 High Recovery	Groups 5 vs 6
Multiple Tumor - Liposarcoma							
Total Incidence Rate	0/60	0/43	0/50	0/50	1/2	1/40	
Note: Incidences across groups do not meet selection criterion.							
Multiple Tumor - Lipoma/Liposarcoma							
Total Incidence Rate	0/60	1/43	0/50	0/50	4/60	1/40	
One-sided p-value	NA	NA	NA	NA	.1143 +	NA	.3076 -

Text Table 6

Results of Statistical Analyses of Neoplastic Lesions - Female Rats

Group	1 Control	2 Low	3 Mid	4 Mid-High	5 High	6 High Recovery	Groups 5 vs 6
Liver - Hepatocellular, Adenoma							
Fatal Incidence	0	0	0	0	0	0	
Incidental Incidence	0	1	1	1	5	2	
Total Incidence Rate	0/60	1/50	1/49	1/50	5/60	2/40	
One-sided p-value	.0153 +*	NA	NA	NA	.0386 +*	.2040 +	.3050 -
Liver - Hepatocellular, Carcinoma							
Fatal Incidence	0	0	0	0	0	0	
Incidental Incidence	0	0	0	0	1	0	
Total Incidence Rate	0/60	0/50	0/49	0/50	1/60	0/40	
Note: Incidences across groups do not meet selection criterion.							
Liver - Hepatocellular, Adenoma/Carcinoma							
Fatal Incidence	0	0	0	0	0	0	
Incidental Incidence	0	1	1	1	6	2	
Total Incidence Rate	0/60	1/50	1/49	1/50	6/60	2/40	
One-sided p-value	.0057 +**	NA	NA	NA	.0204 +*	.2040 +	.2114 -

Text Table 6 (Continued)

Results of Statistical Analyses of Neoplastic Lesions - Female Rats

Group	1 Control	2 Low	3 Mid	4 Mid-High	5 High	6 High Recovery	Groups 5 vs 6
Pancreas - Islet Cell, Adenoma							
Fatal Incidence	0	0	0	0	0	0	
Incidental Incidence	2	2	1	0	2	0	
Total Incidence Rate	2/60	2/50	1/49	0/50	2/60	0/40	
One-sided p-value	.3126 -	NA	NA	.3484 -E	NA	.2387 -	.2502 -
Pancreas - Islet Cell, Carcinoma							
Fatal Incidence	1	0	0	0	1	0	
Incidental Incidence	0	0	1	0	0	0	
Total Incidence Rate	1/60	0/50	1/49	0/50	1/60	0/40	
Note: Incidences across groups do not meet selection criterion.							
Pancreas - Islet Cell, Adenoma/Carcinoma							
Fatal Incidence	1	0	0	0	1	0	
Incidental Incidence	2	2	2	0	2	0	
Total Incidence Rate	3/60	2/50	2/49	0/50	3/60	0/40	
One-sided p-value	.3421 -	NA	NA	.0513 -	NA	.1539 -	.1750 -

Text Table 6 (Continued)

Results of Statistical Analyses of Neoplastic Lesions - Female Rats

Group	1 Control	2 Low	3 Mid	4 Mid-High	5 High	6 High Recovery	Groups 5 vs 6
Thyroid - Follicular Cell, Adenoma							
Fatal Incidence	0	0	0	0	0	0	
Incidental Incidence	0	0	0	2	1	1	
Total Incidence Rate	0/60	0/50	0/49	2/50	1/60	1/40	
One-sided p-value	.1002 +	NA	NA	.1054 +	NA	.2387 -	NA
Thyroid - Follicular Cell, Carcinoma							
Fatal Incidence	0	0	0	0	0	0	
Incidental Incidence	0	0	0	1	0	0	
Total Incidence Rate	0/60	0/50	0/49	1/50	0/60	0/40	
Note: Incidences across groups do not meet selection criterion.							
Thyroid - Follicular Cell, Adenoma/Carcinoma							
Fatal Incidence	0	0	0	0	0	0	
Incidental Incidence	0	0	0	3	1	1	
Total Incidence Rate	0/60	0/50	0/49	3/50	1/60	1/40	
One-sided p-value	.0790 +	NA	NA	.0471 +*	NA	.1539 -	NA

Text Table 6 (Continued)

Results of Statistical Analyses of Neoplastic Lesions - Female Rats

Group	1 Control	2 Low	3 Mid	4 Mid-High	5 High	6 High Recovery	Groups 5 vs 6
Thyroid - C-Cell, Adenoma							
Fatal Incidence	0	0	0	0	0	0	
Incidental Incidence	12	6	6	8	5	6	
Total Incidence Rate	12/60	6/50	6/49	8/50	5/60	6/40	
One-sided p-value	.0703 -	.1478 -	.1705 -	.2103 -	.0336 -*	.2392 -	.3548 +
Thyroid - C-Cell, Carcinoma							
Fatal Incidence	0	0	0	0	0	0	
Incidental Incidence	0	1	0	0	0	1	
Total Incidence Rate	0/60	1/50	0/49	0/50	0/60	1/40	
Note: Incidences across groups do not meet selection criterion.							
Thyroid - C-Cell, Adenoma/Carcinoma							
Fatal Incidence	0	0	0	0	0	0	
Incidental Incidence	12	7	6	8	5	7	
Total Incidence Rate	12/60	7/50	6/49	8/50	5/60	7/40	
One-sided p-value	.0560 -	.2284 -	.1705 -	.2103 -	.0336 -*	.3380 -	.2399 +

Text Table 6 (Continued)

Results of Statistical Analyses of Neoplastic Lesions - Female Rats

Group	1 Control	2 Low	3 Mid	4 Mid-High	5 High	6 High Recovery	Groups 5 vs 6
Pituitary - Adenoma							
Fatal Incidence	18	23	32	23	15	16	
Incidental Incidence	28	18	10	14	25	14	
Total Incidence Rate	46/60	41/50	42/46	37/46	40/60	30/34	
One-sided p-value	NA	.2409 +	NA	NA	.1726 -	NA	NA
Skin - Squamous Cell, Papilloma							
Total Incidence Rate	2/60	0/36	0/40	0/35	0/60	1/25	
One-sided p-value	NA	NA	NA	NA	.2209 -	NA	NA
Skin - Squamous Cell, Carcinoma							
Total Incidence Rate	1/60	0/36	0/40	0/35	0/60	0/25	
Note: Incidences across groups do not meet selection criterion.							
Skin - Squamous Cell, Papilloma/Carcinoma							
Total Incidence Rate	3/60	0/36	0/40	0/35	0/60	1/25	
One-sided p-value	NA	NA	NA	NA	.1140 -	NA	NA

Text Table 6 (Continued)

Results of Statistical Analyses of Neoplastic Lesions - Female Rats

Group	1 Control	2 Low	3 Mid	4 Mid-High	5 High	6 High Recovery	Groups 5 vs 6
Mammary Female- Fibroadenoma							
Total Incidence Rate	20/60	27/50	19/48	24/50	11/60	15/40	
One-sided p-value	.0152 -*	.0337 +*	.1125 +	.2521 +	.0235 -*	.4099 -	.0573 +
Mammary Female- Adenoma							
Total Incidence Rate	7/60	6/50	5/48	7/50	4/60	4/40	
One-sided p-value	.2359 -	NA	.4086 +	NA	.2315 -	NA	.5055 +
Mammary Female- Fibroadenoma/Adenoma							
Total Incidence Rate	23/60	30/50	22/48	26/50	15/60	16/40	
One-sided p-value	.0239 -*	.0318+*	.0527 +	.2753 +	.0488 -*	NA	.1451 +
Mammary Female- Carcinoma							
Total Incidence Rate	11/60	12/50	15/48	11/50	14/60	4/40	
One-sided p-value	.3569	.3996 +	.0515 +	NA	.3373 +	.0606 -	.0161 -*

Text Table 6 (Continued)

Results of Statistical Analyses of Neoplastic Lesions - Female Rats

	1	2	3	4	5	6	
Group	Control	Low	Mid	Mid-High	High	High Recovery	Groups 5 vs 6
Mammary Female- Fibroadenoma/Adenoma/Carcinoma							
Total Incidence Rate	29/60	36/50	31/48	29/50	24/60	17/40	
One-sided p-value	.0482 -*	.0474 +*	.0066 +**	NA	.1479 -	.0598 -	.3482 -

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

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

COMMENTS ON THE DATA

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

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

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

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

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

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

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

The level of severity for some clinical observations was not specified at the time of the observation and is indicated as <UNSPECIFIED> in the summary and individual clinical observation tables.

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

COMMENTS ON THE DATA (Continued)

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

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

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

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

The comment "TECH SPILL" in individual food (water) consumption data tables indicates that food consumption was not recorded due to food (water) spillage caused by technician error.

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

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

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

COMMENTS ON THE DATA (Continued)

The calculation for individual test material consumption is:

Test material consumption =

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

where: Daily Body Weight Gain =

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

and: Day Factor =

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

and: Food Consumption Interval =

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

CODES, ABBREVIATIONS, AND UNITS

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

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

General Codes and Abbreviations

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

Animal Death Codes

1	Interim sacrifice, Week 4
2	Interim sacrifice, Week 14
3	Interim sacrifice, Week 53
T	Terminal sacrifice
D	Found dead
M	Moribund
U	First postrecovery sacrifice

Codes for Clinical Pathology

GENERAL CODES

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

Codes for Clinical Pathology (Continued)

RESULTS NOT INCLUDED IN STATISTICAL ANALYSES

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

CODES FOR BLOOD CELL MORPHOLOGY

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

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

URINE APPEARANCE

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

Codes for Clinical Pathology (Continued)

URINE CHEMISTRY MULTISTIX® STRIP

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

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

(1 mg = approximately 1 Ehrlich unit)

URINE SEDIMENT

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

Abbreviations and Units for Clinical Hematology

Test	Abbreviation (Units)
Red blood cell count	RBC (E6/UL or $X10^6/\mu L$)
Hemoglobin	HGB (G/DL)
Hematocrit	HCT (%)
Mean corpuscular volume	MCV (FL)
Mean corpuscular hemoglobin	MCH (PG)
Mean corpuscular hemoglobin concentration	MCHC (%)
Platelet count	PLT (E3/UL or $X10^3/\mu L$)
Mean platelet volume	MPV (FL)
Reticulocyte count	RETIC (%)
Absolute reticulocyte count	RETIC (E3/UL or $X10^3/\mu L$)
Heinz body count	HEINZ (%)
Erythrocyte sedimentation rate	ESR (MM/HR)
Prothrombin time	PT (SEC)
Activated partial thromboplastin time	PTT (SEC)
Thrombin time	TT (SEC)
Activated coagulation time	ACT (SEC)
Fibrinogen	FBR (MG/DL)
Fibrin/fibrinogen degradation products	FDP (UG/ML)
Platelet aggregation	
Collagen	PAGG/COL (%)
Adenosine diphosphate	PAGG/ADP (%)
Alpha 2-antiplasmin	ANTIPLAS (%)
Bleeding time	BLE TIME (SEC)
Methemoglobin	METHGB (%)
Plasma hemoglobin	PLA HGB (MG/DL)
Myeloid/erythroid ratio	M/E RATIO
Estimated myeloid/erythroid ratio	EST M/E RATIO
White blood cell count	WBC (E3/UL or $X10^3/\mu L$)
Differential blood cell count	
Nucleated red blood cell count	NRBC (/100 WBC)
Corrected white blood cell count	COR WBC (E3/UL or $X10^3/\mu L$)
Segmented neutrophil count	N-SEG (E3/UL or $X10^3/\mu L$) and %
Band neutrophil count	N-BAND (E3/UL or $X10^3/\mu L$) and %
Lymphocyte count	LYMPH (E3/UL or $X10^3/\mu L$) and %
Monocyte count	MONO (E3/UL or $X10^3/\mu L$) and %
Eosinophil count	EOSIN (E3/UL or $X10^3/\mu L$) and %
Basophil count	BASO (E3/UL or $X10^3/\mu L$) and %
Anisocytosis	ANISO (-,1,2,3)
Polychromasia	POLY (-,1,2,3)

Abbreviations and Units for Clinical Hematology (Continued)

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

Abbreviations and Units for Clinical Chemistry

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

Abbreviations and Units for Clinical Chemistry (Continued)

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

Abbreviations and Units for Clinical Urinalysis

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

Abbreviations and Units for Urine Chemistry

Test	Abbreviation (Units)
Urine volume	U VOL (ML)
Urine osmolality	U OSMO (MOSM/KG)
Urine creatinine	U CREAT (MG/DL)
Urine calcium	U CA (MG/DL)
Urine calcium/creatinine ratio	CA/CREAT (RATIO)
Urine phosphorus	U PHOS (MG/DL)
Urine sodium	U NA (MMOL/L)
Urine potassium	U K (MMOL/L)
Urine chloride	U CL (MMOL/L)
Urine magnesium	U MG (MG/L or PPM)
Urine zinc	U ZN (MG/L or PPM)
Urine strontium	U SR (MG/L or PPM)
Urine hydroxyproline	U HYP (MG/L)
N-ACETYL-β-D-glucosaminedase	NAG (U/L)
Creatinine excretion	CREA EXC (MG)
Calcium excretion	CA EXC (MG)
Phosphorus excretion	P EXC (MG)
Sodium excretion	NA EXC (MMOL)
Potassium excretion	K EXC (MMOL)
Chloride excretion	CL EXC (MMOL)
Calcium fractional clearance	CA CLEAR (%)
Phosphorus fractional clearance	P CLEAR (%)
Sodium fractional clearance	NA CLEAR (%)
Potassium fractional clearance	K CLEAR (%)
Chloride fractional clearance	CL CLEAR (%)
Creatinine clearance	CREAT CL (ML/MIN)
Quantitative urinary/cerebrospinal fluid protein	QUAN PRO (MG/DL)
Protein to urinary creatinine ratio	PRO/CREA (RATIO)
Urine protein excretion	PRO EXC (MG)

Codes for Anatomic Pathology

Code	Definition
	ANIMAL DEATH CODES
1-6	Interim sacrifices 1 through 6
T	Terminal sacrifice
U	First postrecovery sacrifice
V	Second postrecovery sacrifice
A	Accidental death
B	Death or sacrifice postaccident
D	Found dead
M	Moribund
P	Returned to stock
R	Unscheduled recovery sacrifice
O	Other type of unscheduled death
	MACROSCOPIC CODES
EX	Indicates that organ weight is excluded from calculations
NOT TAKEN	Organ weight not taken; explanation given in necropsy notes
MISSING	Organ missing or lost
UNSUITABLE	Organ technically unsuitable for weighing
AUTOLYTIC	Organ autolyzed and could not be weighed
EXCLUDE	Weight was taken, but was excluded from all calculations
	MICROSCOPIC CODES
Codes Prefacing Neoplastic Findings	
B-	Primary, benign neoplasm
M-	Primary, malignant neoplasm
N-	Metastatic neoplasm
I-	Locally invasive neoplasm
X-	Other neoplasm
Distribution of Findings	
Focal	
Diffuse	
Multifocal	

Codes for Anatomic Pathology (Continued)

Grades for Severity or Amount

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

Other Microscopic Codes

TL	Total
P	Finding present
-	Finding not present
MN	Mean

TISSUE ABBREVIATIONS

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

Figure 1

Survival Data - Males

Covance 6329-183
3M T-6295

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

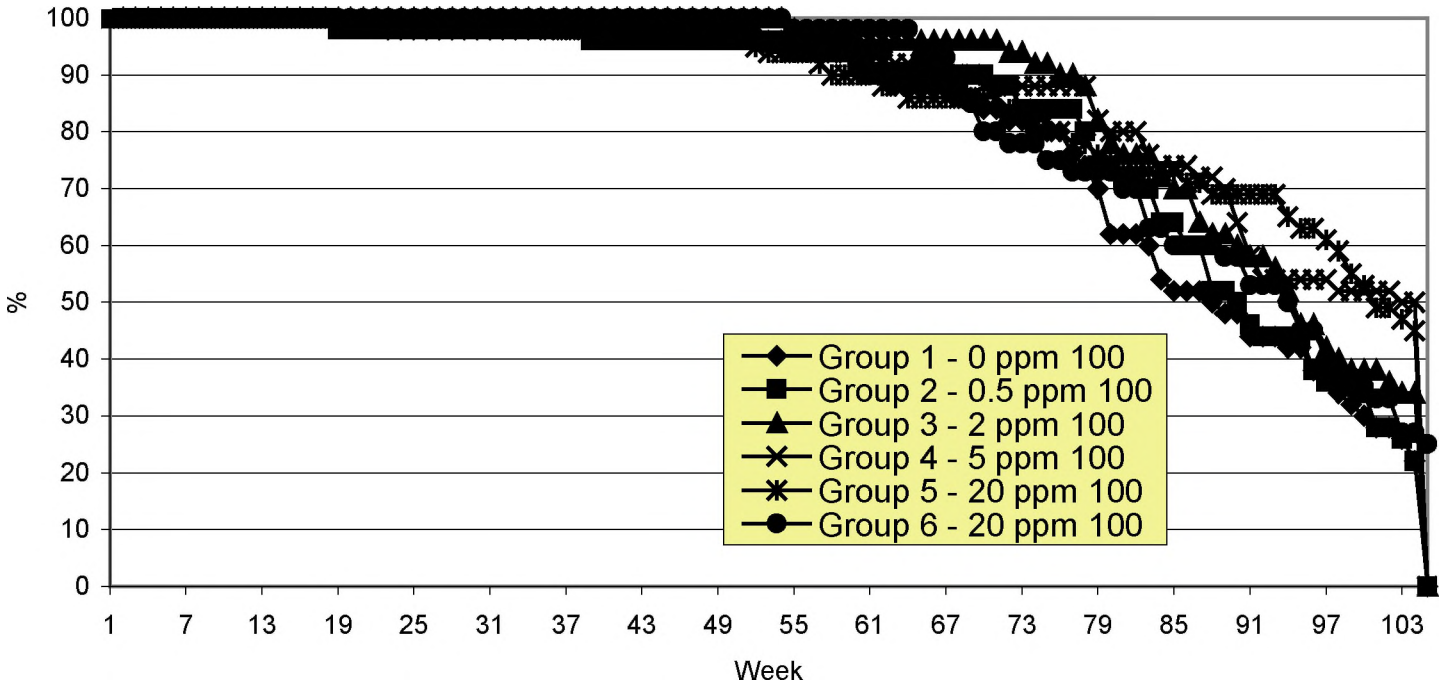


Figure 2

Survival Data - Females

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

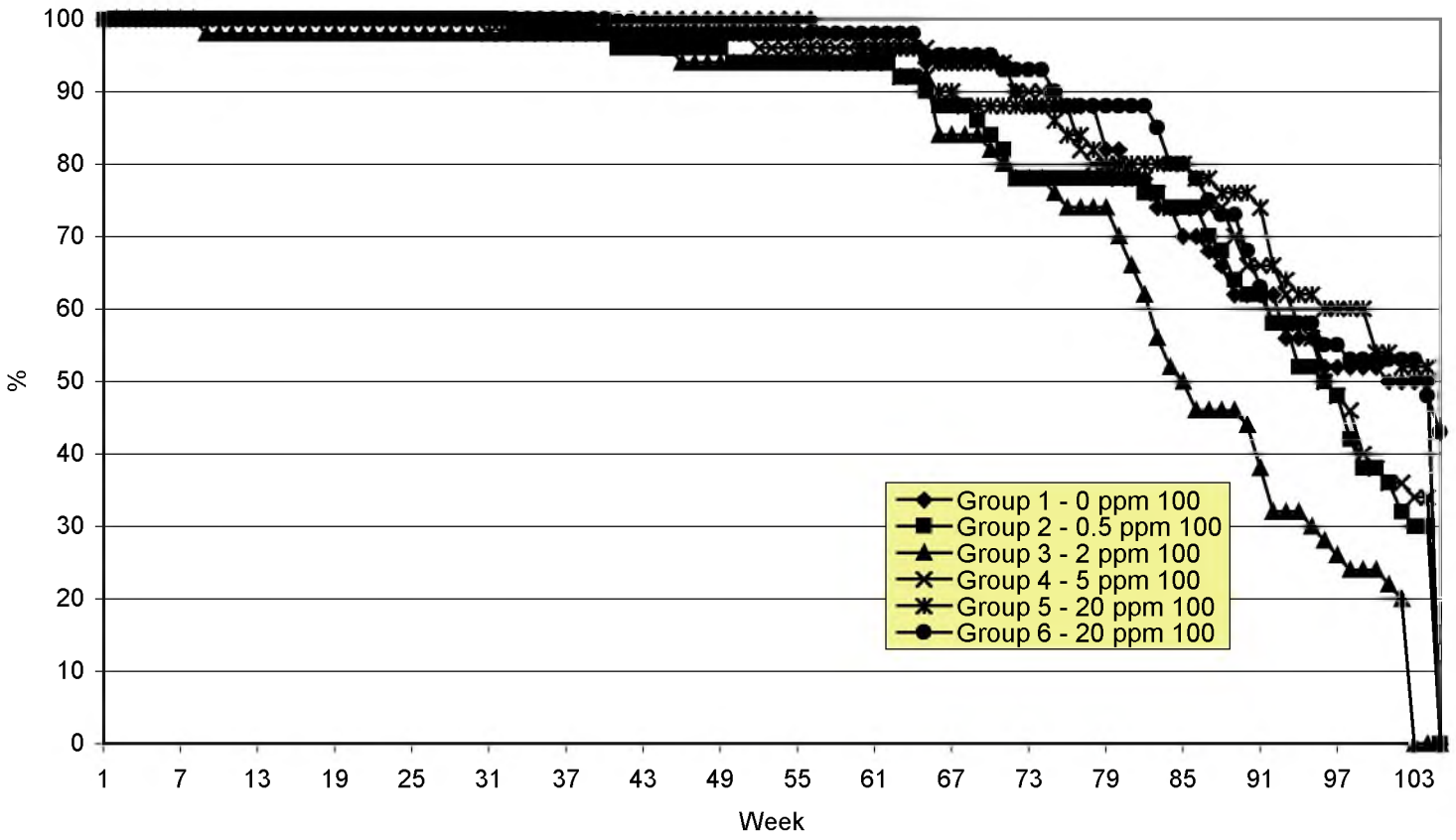


Figure 3

Mean Body Weight Data (g) - Males

Covance 6329-183
3M T-6295

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

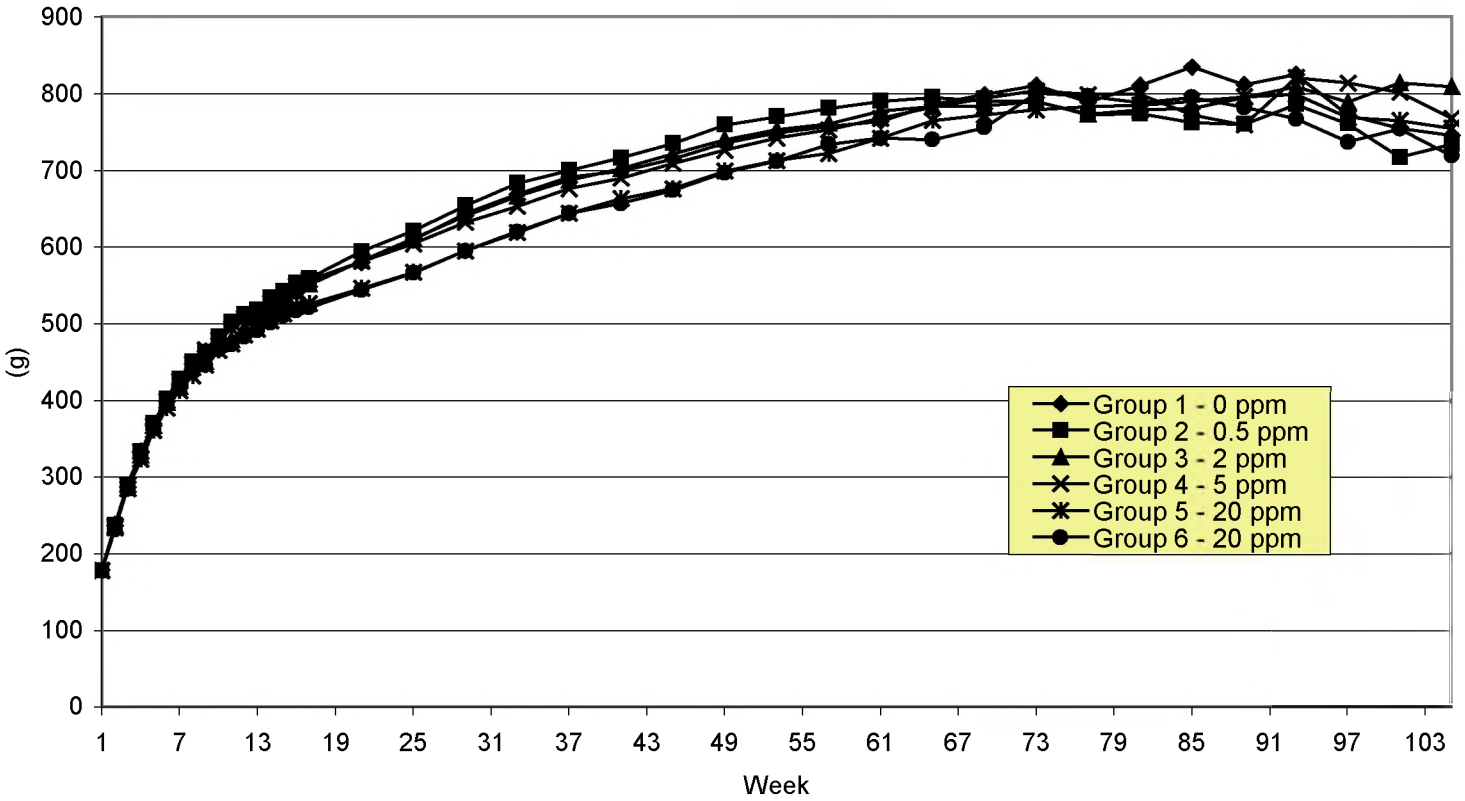


Figure 4

Mean Body Weight Data (g) - Females

Covance 6329-183
3MT-6295

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

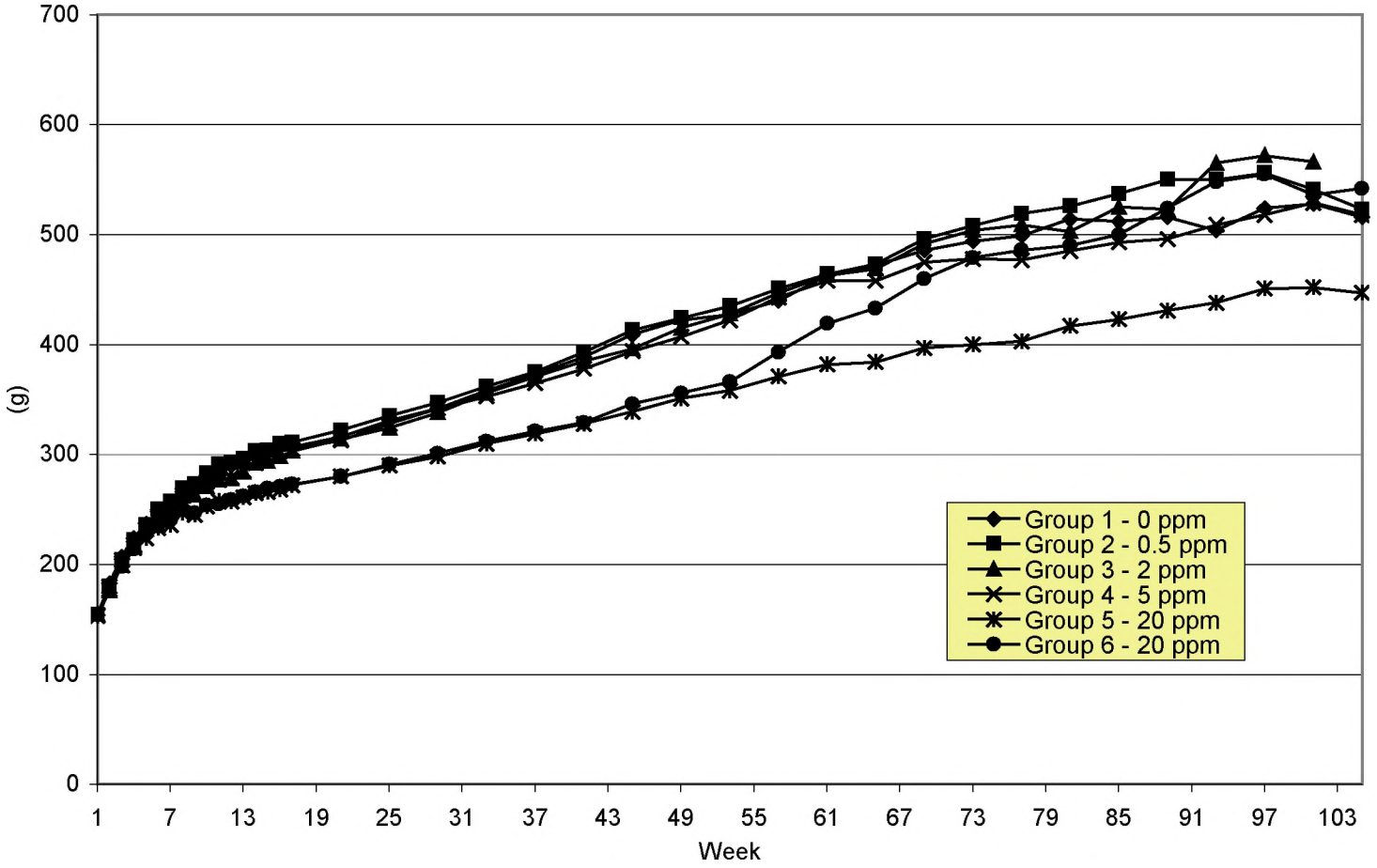


Figure 5

Mean Food Consumption Data (g) - Males

Covance 6329-183
3M T-6295

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

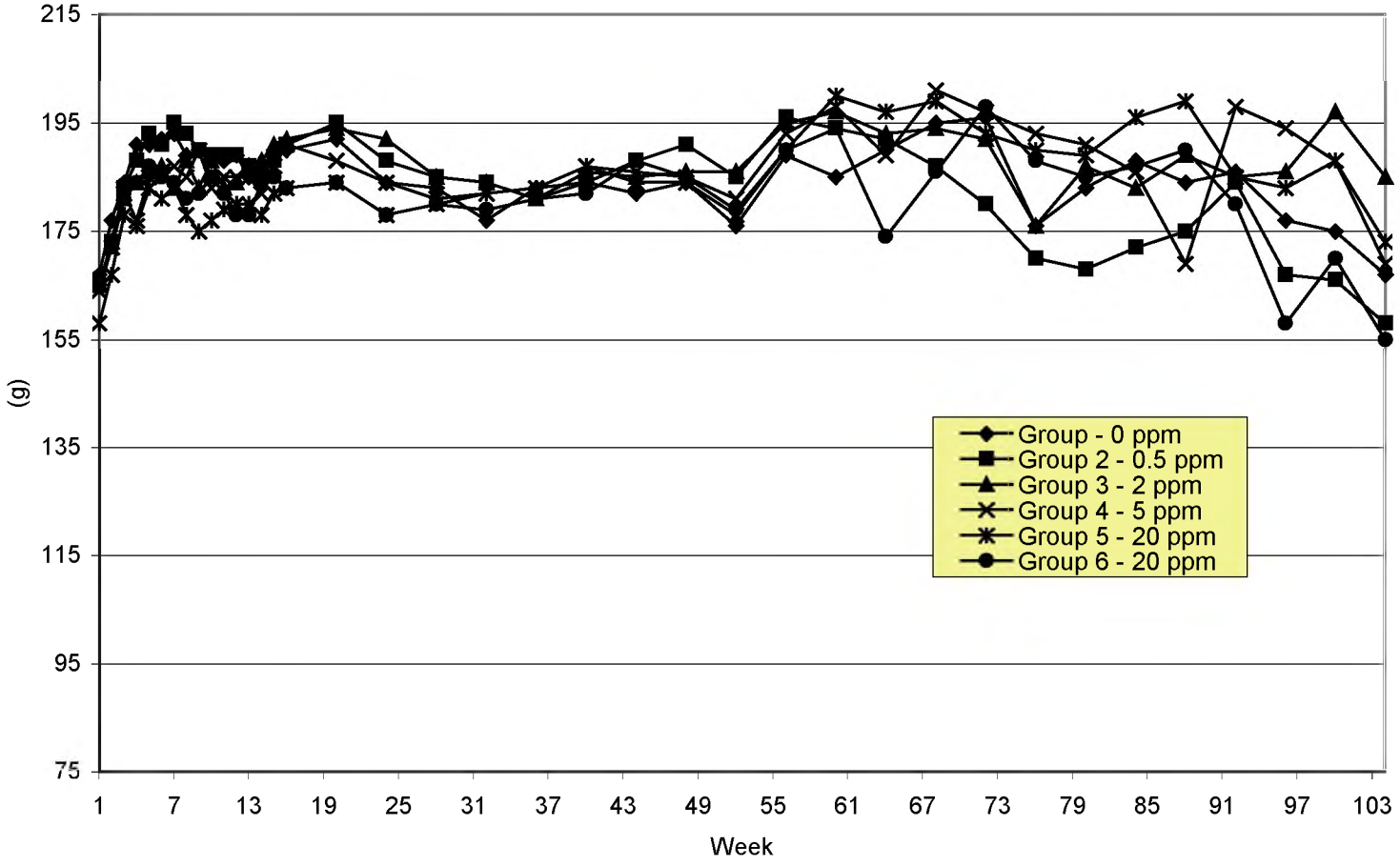


Figure 6

Covance 6329-183
3M T-6295

Mean Food Consumption Data (g) - Females

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

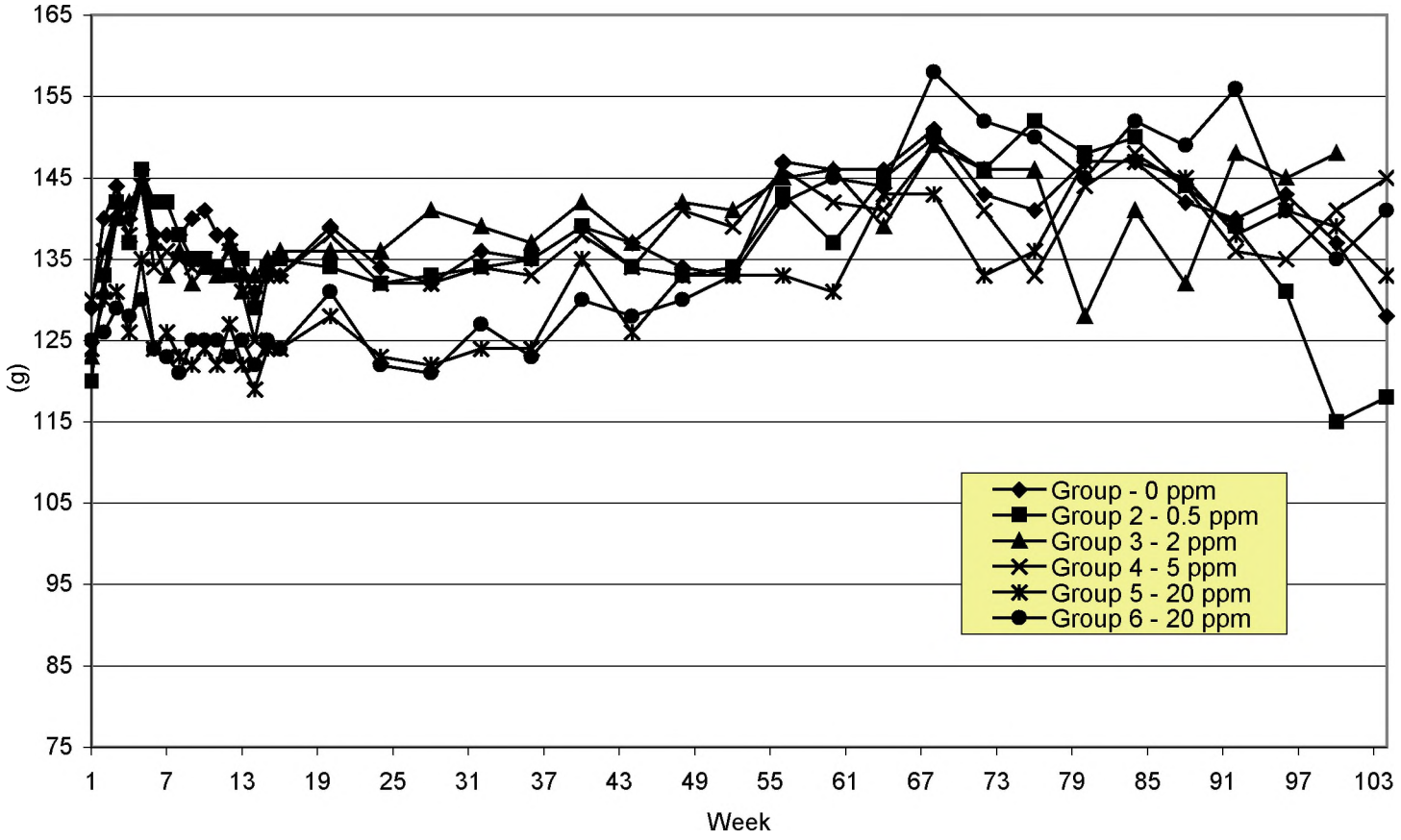


Table 1

Results of Homogeneity Analyses (ppm)
Mixed 3/18/98

104-Week Dietary Chronic Toxicity And Carcinogenicity Study With Perfluorooctane Sulfonic Acid Potassium Salt (Pfos; T-6295) In Rats

		T-6295 (ppm)	
Samples Location	Replicate	0.5	20
Top	1	0.605	21.3
	2	0.588	21.4
	Mean	0.597 (119)[a]	21.4 (107)
Middle	1	0.657	23.6
	2	0.690	23.5
	Mean	0.674 (135)	23.6 (118)
Bottom	1	0.601	24.6
	2	0.631	20.4
	Mean	0.616 (123)	22.5 (113)

a Each value in parentheses is the percent of theoretical.

Table 1 (Continued)

Results of Homogeneity Analyses (ppm)
Mixed 4/16/98

104-Week Dietary Chronic Toxicity And Carcinogenicity Study With Perfluorooctane Sulfonic Acid Potassium Salt (Pfos; T-6295) In Rats

		T-6295 (ppm)			
Sample Location	Replicate	0.5	2	5	20
Top	1	0.743	2.22	5.36	18.1
	2	0.521	2.03	5.48	17.4
	3	0.406	2.12	4.04	18.4
	Mean	0.557 (111)[a]	2.12 (106)	4.96 (99.2)	18.0 (90.0)
Middle	1	0.478	2.28	4.90	19.7
	2	0.478	2.01	4.90	19.5
	3	0.486	2.09	5.28	21.3
	Mean	0.481 (96.2)	2.13 (107)	5.03 (101)	20.2 (101)
Bottom	1	0.955	2.04	4.70	17.6
	2	0.519	2.03	5.00	18.7
	3	0.359	1.84	4.94	18.4
	Mean	0.611 (122)	1.97 (98.5)	4.88 (97.6)	18.2 (91.0)

a Each value in parentheses is the percent of theoretical.

Table 1 (Continued)

Results of Homogeneity Analyses (ppm)
Mixed 04/22/98

104-Week Dietary Chronic Toxicity And Carcinogenicity Study With Perfluorooctane Sulfonic Acid Potassium Salt (Pfos; T-6295) In Rats

		T-6295 (ppm)
Sample Location	Replicate	20
Top	1	18.9
	2	18.4
	Mean	18.7 (93.5)[a]
Middle	1	20.1
	2	19.6
	Mean	19.9 (99.5)
Bottom	1	21.1
	2	20.1
	Mean	20.6 (103)

a Each value in parentheses is the percent of theoretical.

Table 1 (Continued)

Results of Homogeneity Analyses (ppm)
Mixed 6/18/98

104-Week Dietary Chronic Toxicity And Carcinogenicity Study With Perfluorooctane Sulfonic Acid Potassium Salt (Pfos; T-6295) In Rats

		T-6295 (ppm)			
Sample Location	Replicate	0.5	2	5	20
Top	1	0.566	2.38	4.87	20.3
	2	1.10	2.71	5.18	18.7
	3	0.955	2.23	4.90	18.6
	Mean	0.874 (175)	2.44 (122)	4.98 (99.6)	19.2 (96.0)
Top[b]	1	0.483	-	-	-
	2	0.480	-	-	-
	3	0.401	-	-	-
	Mean	0.455 (91.0)	-	-	-
Middle	1	0.617	2.50	5.15	18.3
	2	0.637	2.11	5.43	17.8
	3	0.635	2.05	4.70	18.2
	Mean	0.630 (126)	2.22 (111)	5.09 (102)	18.1 (90.5)
Bottom	1	0.640	3.08	5.08	19.4
	2	0.694	2.29	5.12	20.5
	3	0.532	2.41	5.15	18.2
	Mean	0.622 (124)	2.59 (130)	5.12 (102)	19.4 (97.0)

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

Table 2

Results of Stability Analyses (ppm)
Mixed 3/18/98

104-Week Dietary Chronic Toxicity And Carcinogenicity Study With Perfluorooctane Sulfonic Acid Potassium Salt (Pfos; T-6295) In Rats

Storage Conditions	Replicate	T6295 (ppm)			
		0.5	1.0	2.0	20
Initial[a]	1	0.657	1.15	2.29	23.6
	2	0.690	1.51	2.67	23.5
	Mean	0.674 (135)[b]	1.33 (133)	2.48 (124)	23.6 (118)
28 days, room temperature	1	0.507	1.11	1.94	20.7
	2	0.554	0.937	2.01	20.8
	Mean	0.531 (106)	1.02 (102)	1.98 (99.0)	20.8 (104)

a Results for the 0.5- and 20- levels were derived from the sample collected from the middle of the dose preparations for homogeneity analysis.
b Each value in the parenthesis is the percent of theoretical.

Table 2 (Continued)

Results of Stability Analyses (ppm)
Mixed 4/16/98

104-Week Dietary Chronic Toxicity And Carcinogenicity Study With Perfluorooctane Sulfonic Acid Potassium Salt (Pfos; T-6295) In Rats

Storage Conditions	Replicate	T6295 (ppm) 0.5	2.0	5.0	20
Initial[a]	1	0.478	2.28	4.90	19.7
	2	0.478	2.01	4.90	19.5
	3	0.486	2.09	5.28	21.3
	Mean	0.481 (96.2)[b]	2.13 (107)	5.03 (101)	20.2 (101)
33 days, room temperature	1	0.527	2.57	5.64	28.4
	2	0.553	2.54	5.83	22.1
	Mean	0.540 (108)	2.56 (128)	5.74 (115)	25.6 (128)

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

Table 3

Results of Dose Preparation Analysis (ppm)

104-Week Dietary Chronic Toxicity And Carcinogenicity Study With Perfluorooctane Sulfonic Acid Potassium Salt (Pfos; T-6295) In Rats

		T-6295 (ppm)			
Mix Date	Replicate	0.5	1	2	20
3/18/98	1	0.657	1.15	2.29	23.6
	2	0.690	1.51	2.67	23.5
	Mean	0.674 (135)[b]	1.33 (133)	2.48 (124)	23.6 (118)

a Results for the 0.5- and 20- levels were derived from the sample collected from the middle of the dose preparations for homogeneity analysis.
b Each value in the parentheses is the percent of theoretical.

Table 3 (Continued)

Results of Dose Preparation Analysis (ppm)

104-Week Dietary Chronic Toxicity And Carcinogenicity Study With Perfluorooctane Sulfonic Acid Potassium Salt (Pfos; T-6295) In Rats

		T-6295 (ppm)				
Mix Date	Replicate	0	0.5	2	5	20
4/16/98[a]	1	b	0.478	2.28	4.90	19.7
	2	b	0.478	2.01	4.90	19.5
	3	-	0.486	2.09	5.28	21.3
	Mean	-	0.481 (96.2)[c]	2.13 (107)	5.03 (101)	20.2 (101)
4/23/98	1	b	0.375	2.07	6.54	19.9
	2	b	0.379	1.76	4.92	21.3
	Mean	-	0.377 (75.4)	1.92 (96.0)	5.73 (115)	20.6 (103)
4/23/98[d]	1	-	0.674	-	0.780	-
	2	-	0.535	-	4.78	-
	Mean	-	0.605 (121)	-	2.78 (55.6)	-
4/23/98[e]	1	-	0.517	-	4.55	-
	2	-	0.406	-	6.12	-
	Mean	-	0.462 (92.4)	-	5.34 (107)	-
4/30/98	1	b	0.551	2.12	5.55	22.6
	2	b	0.478	2.11	6.03	22.1
	Mean	-	0.515 (103)	2.12 (106)	5.79 (116)	22.4 (112)
4/30/98[d]	1	-	-	-	5.24	-
	2	-	-	-	5.24	-
	Mean	-	-	-	5.24(105)	-

a Results for the 0.5-, 2.0-, 5.0- and 20-ppm levels were derived from the sample collected from the middle of the dose preparations for homogeneity analysis.
b Below the limit of quantitation (<0.4 ppm).
c Each value in the parentheses is the percent of theoretical.
d Reassay.
e Retention.

Table 3 (Continued)

Results of Dose Preparation Analysis (ppm)

104-Week Dietary Chronic Toxicity And Carcinogenicity Study With Perfluorooctane Sulfonic Acid Potassium Salt (Pfos; T-6295) In Rats

		T-6295 (ppm)				
Mix Date	Replicate	0	0.5	2	5	20
5/7/98	1	0.962	0.406	1.73	4.37	18.2
	2	0.942	0.390	1.74	4.31	18.2
	Mean	0.952	0.398 (79.6)[c]	1.74 (87.0)	4.34 (86.8)	18.2 (91.0)
5/7/98[d]	1	1.11	0.202	-	-	-
	2	1.12	0.557	-	-	-
	Mean	1.12	0.380 (76.0)	-	-	-
5/7/98[e]	1	b	0.476	-	-	-
	2	b	0.347	-	-	-
	Mean	-	0.412 (82.4)	-	-	-
5/14/98	1	b	0.474	2.52	5.48	19.8
	2	b	0.402	2.54	5.06	21.5
	Mean	-	0.438 (87.6)	2.53 (127)	5.27 (105)	20.7 (104)
5/21/98[f]	1	<0.75	0.157	1.60	4.98	19.6
	2	<0.75	0.349	1.86	6.27	20.9
	Mean	-	0.253 (50.6)	1.73 (86.5)	5.63 (113)	20.3 (102)
5/21/98[d]	1	b	0.248	-	-	-
	2	b	0.326	-	-	-
	Mean	-	0.287 (57.4)	-	-	-
5/28/98	1	b	0.442	1.95	6.19	21.8
	2	b	0.453	2.29	6.49	22.3
	Mean	-	0.448 (89.6)	2.12 (106)	6.34 (127)	22.1 (111)

b Below the limit of quantitation (<0.4 ppm).
c Each value in the parentheses is the percent of theoretical.
d Reassay.
e Retention.
f The low standard (0.4 ppm) was not used for the calibration curve.

Table 3 (Continued)

Results of Dose Preparation Analysis (ppm)

104-Week Dietary Chronic Toxicity And Carcinogenicity Study With Perfluorooctane Sulfonic Acid Potassium Salt (Pfos; T-6295) In Rats

		T-6295 (ppm)				
Mix Date	Replicate	0	0.5	2	5	20
6/4/98[g]	1	b	0.618	1.95	4.91	18.2
	2	b	0.610	1.66	5.39	20.3
	Mean	-	0.614 (123)[c]	1.81 (90.5)	5.15 (103)	19.3 (96.5)
6/11/98[g]	1	b	0.446	2.25	5.22	19.0
	2	b	0.539	1.91	4.81	16.9
	Mean	-	0.493 (98.6)	2.08 (104)	5.02 (100)	18.0 (90.0)
6/18/98[a]	1	b	0.617	2.50	5.15	18.3
	2	b	0.637	2.11	5.43	17.8
	3	-	0.635	2.05	4.70	18.2
	Mean	-	0.630 (126)	2.22 (111)	5.09 (102)	18.1 (90.5)
7/16/98	1	b	0.564	1.60	3.90	17.9
	2	b	0.519	1.90	4.13	17.4
	Mean	-	0.542 (108)	1.75 (87.5)	4.02 (80.4)	17.7 (88.5)
7/16/98[d]	1	-	-	-	4.76	-
	2	-	-	-	5.41	-
	Mean	-	-	-	5.09 (102)	-
8/13/98	1	b	0.478	2.07	5.60	18.9
	2	b	0.569	2.04	4.95	19.9
	Mean	-	0.524 (105)	2.06 (103)	5.28 (106)	19.4 (97.0)

a Results for the 0.5-, 2.0-, 5.0- and 20-ppm levels were derived from the sample collected from the middle of the dose preparations for homogeneity analysis.
b Below the limit of quantitation (<0.4 ppm).
c Each value in the parentheses is the percent of theoretical.
d Reassay.
g Reassayed due to unacceptable calibration curve for original assays.

Table 3 (Continued)

Results of Dose Preparation Analysis (ppm)

104-Week Dietary Chronic Toxicity And Carcinogenicity Study With Perfluorooctane Sulfonic Acid Potassium Salt (Pfos; T-6295) In Rats

		T-6295 (ppm)				
Mix Date	Replicate	0	0.5	2.0	5.0	20
9/10/98	1	b	0.477	2.23	4.58	17.1
	2	b	2.28	2.27	4.64	16.8
	Mean	-	1.38 (276)[c]	2.25 (113)	4.61 (92.2)	17.0 (85.0)
9/10/98[d]	1	-	0.213	-	-	-
	2	-	0.231	-	-	-
	Mean	-	0.222 (44.4)	-	-	-
9/10/98[e]	1	-	1.09	-	-	-
	2	-	1.27	-	-	-
	Mean	-	1.18 (236)	-	-	-
9/10/98[d,e]	1	-	b	-	-	-
	2	-	b	-	-	-
	Mean	-	-	-	-	-
9/10/98[f]	1	-	0.475	-	-	-
	2	-	0.386	-	-	-
	Mean	-	0.431 (86.2)	-	-	-
10/8/98	1	b	0.836	1.79	5.68	17.9
	2	b	0.482	1.83	4.90	17.2
	Mean	-	0.659 (132)	1.81 (90.5)	5.29 (106)	17.6 (88.0)

b Below the limit of quantitation (<0.4 ppm).
c Each value in the parentheses is the percent of theoretical.
d Reassay.
e Retention.
f Reassay of the retention.

Table 3 (Continued)

Results of Dose Preparation Analysis (ppm)

104-Week Dietary Chronic Toxicity And Carcinogenicity Study With Perfluorooctane Sulfonic Acid Potassium Salt (Pfos; T-6295) In Rats

		T-6295 (ppm)				
Mix Date	Replicate	0	0.5	2.0	5.0	20
10/8/98[d]	1	-	b	-	-	-
	2	-	0.649 (130)[c]	-	-	-
	Mean	-	-	-	-	-
10/8/98[e]	1	-	0.473	-	-	-
	2	-	1.02	-	-	-
	Mean	-	0.747 (149)	-	-	-
10/8/98[f]	1	-	0.474	-	-	-
	2	-	0.497	-	-	-
	Mean	-	0.486 (97.2)	-	-	-
11/5/98	1	b	0.546	1.84	4.33	16.3
	2	b	0.556	2.05	4.45	15.4
	Mean	-	0.551 (110)	1.95 (97.5)	4.39 (87.8)	15.9 (79.5)
12/3/98	1	b	b	1.65[g]	3.86	14.6
	2	b	b	1.51	3.69	16.6
	Mean	-	-	1.58 (79.0)	3.78 (75.6)	15.6 (78.0)
12/3/98[d]	1	-	0.607	1.98	-	-
	2	-	0.539	1.69	-	-
	Mean	-	0.573 (115)	1.84 (92.0)	-	-

b Below the limit of quantitation (<0.4 ppm).
d Reassay.
c Each value in the parentheses is the percent of theoretical.
e Retention.
f Reassay of the retention
g Group will reassayed due to unacceptable chromatography.

Table 3 (Continued)

Results of Dose Preparation Analysis (ppm)

104-Week Dietary Chronic Toxicity And Carcinogenicity Study With Perfluorooctane Sulfonic Acid Potassium Salt (Pfos; T-6295) In Rats

		T-6295 (ppm)				
Mix Date	Replicate	0	0.5	2.0	5.0	20
12/31/98	1	b	0.339	1.89	4.42	19.0
	2	b	0.246	1.69	4.71	19.4
	Mean	-	0.293 (58.6)[c]	1.79 (89.5)	4.57 (91.4)	19.2 (96.0)
12/31/98[d]	1	-	0.442	-	-	-
	2	-	0.422	-	-	-
	Mean	-	0.432 (86.4)	-	-	-
1/28/99	1	b	e	1.67	4.71	17.6
	2	b	e	2.05	4.92	17.1
	Mean	-	-	1.86 (93.0)	4.82 (96.4)	17.4 (87.0)
1/28/99[d]	1	-	b	-	-	-
	2	-	b	-	-	-
	Mean	-	-	-	-	-
1/28/99[d]	1	-	b	-	-	-
	2	-	b	-	-	-
	Mean	-	-	-	-	-
2/25/99	1	1.498	0.907	2.06	5.67	20.1
	2	b	0.852	6.79	7.48	20.1
	Mean	-	0.880 (176)	4.43 (222)	6.58 (132)	20.1 (101)
2/25/99[d]	1	b	0.450	1.64	4.91	-
	2	b	0.526	2.06	4.56	-
	Mean	b	0.488 (97.6)	1.85 (92.5)	4.74 (94.8)	-

b Below the limit of quantitation (<0.4 ppm).
c Each value in the parentheses is the percent of theoretical.
d Reassay.
e This level was outside of the modified standard curve and will be retested.

Table 3 (Continued)

Results of Dose Preparation Analysis (ppm)

104-Week Dietary Chronic Toxicity And Carcinogenicity Study With Perfluorooctane Sulfonic Acid Potassium Salt (Pfos; T-6295) In Rats

		T-6295 (ppm)				
Mix Date	Replicate	0	0.5	2.0	5.0	20
3/25/99	1	b	0.414 (82.8)[c]	1.91	5.44	18.5
	2	b	b	2.97	5.59	19.9
	Mean	-	-	2.44 (122)	5.52 (110)	19.2 (96.0)
3/25/99[d]	1	-	1.63	2.18	-	-
	2	-	0.702	1.91	-	-
	Mean	-	1.17 (234)	2.05 (103)	-	-
4/22/99	1	b	b	1.97	4.73	17.7
	2	b	b	2.04	5.72	18.8
	Mean	-	-	2.01 (101)	5.23 (105)	18.3 (91.5)
4/22/99[d]	1	-	0.431	-	5.06	-
	2	-	0.405	-	4.90	-
	Mean	-	0.418 (83.6)	-	4.98 (99.6)	-
5/20/99	1	b	0.582	1.76	4.65	17.8
	2	b	0.531	1.68	4.67	20.1
	Mean	-	0.557 (111)	1.72 (86.0)	4.66 (93.2)	19.0 (95.0)
6/17/99	1	b	0.402	1.73	4.46	19.0
	2	b	0.455	2.03	4.81	18.5
	Mean	-	0.429 (85.8)	1.88 (94.0)	4.64 (92.8)	18.8 (94.0)

b Below the limit of quantitation (<0.4 ppm).
c Each value in the parentheses is the percent of theoretical.
d Reassay.

Table 3 (Continued)

Results of Dose Preparation Analysis (ppm)

104-Week Dietary Chronic Toxicity And Carcinogenicity Study With Perfluorooctane Sulfonic Acid Potassium Salt (Pfos; T-6295) In Rats

		T-6295 (ppm)				
Mix Date	Replicate	0	0.5	2.0	5.0	20
7/15/99	1	b	0.498	1.75	5.74	18.2
	2	b	0.405	23.7	4.64	18.6
	Mean	-	0.452 (90.4)[c]	12.7 (635)	5.19 (104)	18.4 (92.0)
7/15/99[d]	1	-	-	1.77	-	-
	2	-	-	1.91	-	-
	Mean	-	-	1.84 (92.0)	-	-
8/12/99	1	b	0.455	3.15	5.96	22.0
	2	b	0.544	2.16	5.80	20.8
	Mean	-	0.500 (100)	2.66 (133)	5.88 (118)	21.4 (107)
8/12/99[d]	1	-	-	2.13	-	-
	2	-	-	2.12	-	-
	Mean	-	-	2.13 (107)	-	-
9/9/99[f]	1	e	e	1.80	4.77	20.5
	2	e	e	2.33	5.25	21.0
	Mean	-	-	2.07 (104)	5.01 (100)	20.8 (104)
9/9/99[g]	1	b	1.27	-	-	-
	2	b	0.607	-	-	-
	Mean	-	0.939 (188)	-	-	-

b Below the limit of quantitation (<0.4 ppm).
c Each value in the parentheses is the percent of theoretical.
d Reassay.
e Samples to be re-analyzed.
f Two lowest standards dropped.
g Re-test.

Table 3 (Continued)

Results of Dose Preparation Analysis (ppm)

104-Week Dietary Chronic Toxicity And Carcinogenicity Study With Perfluorooctane Sulfonic Acid Potassium Salt (Pfos; T-6295) In Rats

		T-6295 (ppm)				
Mix Date	Replicate	0	0.5	2.0	5.0	20
9/9/99[g]	1	-	0.407	-	-	-
	2	-	0.406	-	-	-
	Mean	-	0.407 (81.4)[c]	-	-	-
10/7/99	1	b	0.515	2.22	5.90	22.1
	2	b	0.541	1.98	5.64	22.9
	Mean	-	0.528 (106)	2.10 (105)	5.77 (115)	22.5 (113)
11/4/99	1	b	0.701	1.80	4.31	21.7
	2	b	0.553	1.98	4.23	20.7
	Mean	-	0.627 (125)	1.89 (94.5)	4.27 (85.4)	21.2 (106)
12/2/99	1	b	0.479	2.15	5.93	22.8
	2	b	0.487	2.28	5.24	23.8
	Mean	-	0.483 (96.6)	2.22 (111)	5.59 (112)	23.3 (117)
12/30/99	1	b	0.453	1.74	4.67	h
	2	b	0.469	2.03	4.16	h
	Mean	-	0.461 (92.2)	1.89 (94.5)	4.42 (88.4)	-
12/30/99[g]	1	-	-	-	-	23.9
	2	-	-	-	-	23.4
	Mean	-	-	-	-	23.7 (119)

b Below the limit of quantitation (<0.4 ppm).
c Each value in the parentheses is the percent of theoretical.
g Re-test.
h Due to dropping high standard, this sample couldn't be quantitated. It will be retested.

Table 3 (Continued)

Results of Dose Preparation Analysis (ppm)

104-Week Dietary Chronic Toxicity And Carcinogenicity Study With Perfluorooctane Sulfonic Acid Potassium Salt (Pfos; T-6295) In Rats

		T-6295 (ppm)				
Mix Date	Replicate	0	0.5	2.0	5.0	20
1/27/00	1	b	0.455	2.26	5.85	22.2
	2	b	0.424	1.87	5.21	21.2
	Mean	-	0.440 (88.0)[c]	2.07 (104)	5.53 (111)	21.7 (109)
2/24/00	1	b	0.390	2.66	8.05	23.3
	2	b	0.405	2.18	7.48	26.0
	Mean	-	0.398 (79.6)	2.42 (121)	7.77 (155)	24.7 (124)
2/24/00[g]	1	-	-	2.35	6.18	21.4
	2	-	-	2.42	5.80	20.0
	Mean	-	-	2.39 (120)	5.99 (120)	20.7 (104)
3/23/00	1	-	0.240	2.38	8.05	25.0
	2	-	0.479	2.00	6.32	26.5
	Mean	-	0.360 (72.0)	2. 19(110)	7.19 (144)	25.8 (129)

Overall mean concentrations of each dose level ranged from 102.3 to 108.7.

b Below the limit of quantitation (<0.4 ppm).
c Each value in the parentheses is the percent of theoretical.
g Re-test
Overall Mean = $\frac{\text{Total of all means}}{\text{Number of means}}$

TABLE 4

Survival Data

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

GROUP AND DOSE LEVEL (PPM)	WEEK: START	1	2	3	4	5	6	7	8	9	10	11
					MALE							
1												
0	70/70	70/70	70/70	70/70	65/65	65/65	65/65	65/65	65/65	65/65	65/65	65/65
	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
2												
.500	60/60	60/60	60/60	60/60	55/55	55/55	55/55	55/55	55/55	55/55	55/55	55/55
	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
3												
2	60/60	60/60	60/60	60/60	55/55	55/55	55/55	55/55	55/55	55/55	55/55	55/55
	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
4												
5	60/60	60/60	60/60	60/60	55/55	55/55	55/55	55/55	55/55	55/55	55/55	55/55
	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
5												
20	70/70	70/70	70/70	70/70	65/65	65/65	65/65	65/65	65/65	65/65	65/65	65/65
	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
6												
20	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40
	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

GROUP AND DOSE LEVEL (PPM)	WEEK:	12	13	14	15	16	17	18	19	20	21	22	23
						MALE							
1													
0		65/65	65/65	60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60	59/60
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	98%
2													
.500		55/55	55/55	50/50	50/50	50/50	50/50	50/50	49/50	49/50	49/50	49/50	49/50
		100%	100%	100%	100%	100%	100%	100%	98%	98%	98%	98%	98%
3													
2		55/55	55/55	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
4													
5		55/55	55/55	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
5													
20		65/65	65/65	60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
6													
20		40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Survival Data

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

GROUP AND DOSE LEVEL (PPM)	WEEK:	24	25	26	27	28	29	30	31	32	33	34	35
						MALE							
1													
0		59/60	59/60	59/60	59/60	59/60	59/60	59/60	59/60	59/60	59/60	59/60	59/60
		98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%
2													
.500		49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50
		98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%
3													
2		50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
4													
5		50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
5													
20		60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
6													
20		40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

GROUP AND DOSE LEVEL (PPM)	WEEK:	36	37	38	39	40	41	42	43	44	45	46	47
						MALE							
1													
0		59/60	59/60	59/60	59/60	59/60	59/60	59/60	59/60	59/60	59/60	59/60	58/60
		98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	97%
2													
.500		49/50	49/50	49/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50
		98%	98%	98%	96%	96%	96%	96%	96%	96%	96%	96%	96%
3													
2		50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
4													
5		50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
5													
20		59/60	59/60	59/60	59/60	59/60	59/60	59/60	59/60	59/60	59/60	59/60	58/60
		98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	97%
6													
20		40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Survival Data

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

GROUP AND DOSE LEVEL (PPM)	WEEK:	48	49	50	51	52	53	54	55	56	57	58	59
						MALE							
1													
0		58/60	58/60	58/60	58/60	58/60	48/50	48/50	48/50	48/50	48/50	48/50	48/50
		97%	97%	97%	97%	97%	96%	96%	96%	96%	96%	96%	96%
2													
.500		48/50	48/50	48/50	48/50	48/50	48/50	48/50	47/50	47/50	47/50	47/50	47/50
		96%	96%	96%	96%	96%	96%	96%	94%	94%	94%	94%	94%
3													
2		50/50	50/50	50/50	50/50	50/50	50/50	50/50	49/50	48/50	48/50	48/50	48/50
		100%	100%	100%	100%	100%	100%	100%	98%	96%	96%	96%	96%
4													
5		50/50	50/50	50/50	50/50	49/50	47/50	47/50	47/50	47/50	47/50	47/50	47/50
		100%	100%	100%	100%	98%	94%	94%	94%	94%	94%	94%	94%
5													
20		58/60	58/60	58/60	58/60	57/60	48/51	48/51	48/51	48/51	47/51	46/51	46/51
		97%	97%	97%	97%	95%	94%	94%	94%	94%	92%	90%	90%
6													
20		40/40	40/40	40/40	40/40	40/40	40/40	40/40	39/40	39/40	39/40	39/40	39/40
		100%	100%	100%	100%	100%	100%	100%	98%	98%	98%	98%	98%

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

GROUP AND DOSE LEVEL (PPM)	WEEK:	60	61	62	63	64	65	66	67	68	69	70	71
						MALE							
1													
0		47/50	47/50	47/50	44/50	44/50	44/50	44/50	44/50	43/50	43/50	42/50	42/50
		94%	94%	94%	88%	88%	88%	88%	88%	86%	86%	84%	84%
2													
.500		46/50	45/50	45/50	45/50	45/50	45/50	45/50	45/50	45/50	45/50	45/50	44/50
		92%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	88%
3													
2		48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50
		96%	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%	96%
4													
5		47/50	46/50	46/50	46/50	46/50	46/50	46/50	45/50	45/50	45/50	44/50	44/50
		94%	92%	92%	92%	92%	92%	92%	90%	90%	90%	88%	88%
5													
20		46/51	46/51	45/51	45/51	44/51	44/51	44/51	44/51	44/51	44/51	44/51	44/51
		90%	90%	88%	88%	86%	86%	86%	86%	86%	86%	86%	86%
6													
20		39/40	39/40	39/40	39/40	39/40	37/40	37/40	37/40	35/40	34/40	32/40	32/40
		98%	98%	98%	98%	98%	93%	93%	93%	88%	85%	80%	80%

Survival Data

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

GROUP AND DOSE LEVEL (PPM)	WEEK:	72	73	74	75	76	77	78	79	80	81	82	83
						MALE							
1													
0		41/50	41/50	40/50	40/50	40/50	38/50	37/50	35/50	31/50	31/50	31/50	30/50
		82%	82%	80%	80%	80%	76%	74%	70%	62%	62%	62%	60%
2													
.500		44/50	42/50	42/50	42/50	42/50	42/50	40/50	37/50	37/50	36/50	36/50	35/50
		88%	84%	84%	84%	84%	84%	80%	74%	74%	72%	72%	70%
3													
2		47/50	47/50	46/50	46/50	45/50	45/50	44/50	41/50	39/50	38/50	38/50	38/50
		94%	94%	92%	92%	90%	90%	88%	82%	78%	76%	76%	76%
4													
5		44/50	44/50	44/50	44/50	44/50	44/50	44/50	41/50	40/50	40/50	40/50	38/50
		88%	88%	88%	88%	88%	88%	88%	82%	80%	80%	80%	76%
5													
20		43/51	43/51	42/51	42/51	41/51	40/51	40/51	39/51	38/51	37/51	37/51	37/51
		84%	84%	82%	82%	80%	78%	78%	76%	75%	73%	73%	73%
6													
20		31/40	31/40	31/40	30/40	30/40	29/40	29/40	29/40	29/40	28/40	28/40	25/40
		78%	78%	78%	75%	75%	73%	73%	73%	73%	70%	70%	63%

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

GROUP AND DOSE LEVEL (PPM)	WEEK:	84	85	86	87	88	89	90	91	92	93	94	95
						MALE							
1													
0		27/50	26/50	26/50	26/50	25/50	24/50	24/50	22/50	22/50	22/50	21/50	21/50
		54%	52%	52%	52%	50%	48%	48%	44%	44%	44%	42%	42%
2													
.500		32/50	32/50	30/50	30/50	26/50	26/50	25/50	23/50	22/50	22/50	22/50	22/50
		64%	64%	60%	60%	52%	52%	50%	46%	44%	44%	44%	44%
3													
2		36/50	35/50	35/50	32/50	31/50	31/50	30/50	29/50	29/50	28/50	26/50	23/50
		72%	70%	70%	64%	62%	62%	60%	58%	58%	56%	52%	46%
4													
5		37/50	37/50	37/50	36/50	36/50	35/50	32/50	29/50	27/50	27/50	27/50	27/50
		74%	74%	74%	72%	72%	70%	64%	58%	54%	54%	54%	54%
5													
20		37/51	37/51	36/51	36/51	35/51	35/51	35/51	35/51	35/51	35/51	33/51	32/51
		73%	73%	71%	71%	69%	69%	69%	69%	69%	69%	65%	63%
6													
20		25/40	24/40	24/40	24/40	24/40	23/40	23/40	21/40	21/40	21/40	20/40	18/40
		63%	60%	60%	60%	60%	58%	58%	53%	53%	53%	50%	45%

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

GROUP AND DOSE LEVEL (PPM)	WEEK: 96	97	98	99	100	101	102	103	104
				MALE					
1									
0	19/50	19/50	17/50	16/50	15/50	14/50	14/50	13/50	11/50
	38%	38%	34%	32%	30%	28%	28%	26%	22%
2									
.500	19/50	18/50	18/50	18/50	17/50	14/50	14/50	13/50	11/50
	38%	36%	36%	36%	34%	28%	28%	26%	22%
3									
2	23/50	21/50	20/50	19/50	19/50	19/50	18/50	17/50	17/50
	46%	42%	40%	38%	38%	38%	36%	34%	34%
4									
5	27/50	27/50	26/50	26/50	26/50	26/50	26/50	25/50	25/50
	54%	54%	52%	52%	52%	52%	52%	50%	50%
5									
20	32/51	31/51	30/51	28/51	27/51	25/51	25/51	24/51	23/51
	63%	61%	59%	55%	53%	49%	49%	47%	45%
6									
20	18/40	16/40	15/40	14/40	14/40	13/40	13/40	11/40	11/40
	45%	40%	38%	35%	35%	33%	33%	27%	27%

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

GROUP AND DOSE LEVEL (PPM)	WEEK: START	1	2	3	4	5	6	7	8	9	10	11
					FEMALE							
1												
0	70/70	70/70	70/70	70/70	65/65	65/65	65/65	65/65	65/65	65/65	65/65	65/65
	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
2												
.500	60/60	60/60	60/60	60/60	55/55	55/55	55/55	55/55	55/55	55/55	55/55	55/55
	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
3												
2	60/60	60/60	60/60	60/60	55/55	55/55	55/55	55/55	55/55	54/55	54/55	54/55
	100%	100%	100%	100%	100%	100%	100%	100%	100%	98%	98%	98%
4												
5	60/60	60/60	60/60	60/60	55/55	55/55	55/55	55/55	55/55	55/55	55/55	55/55
	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
5												
20	70/70	70/70	70/70	70/70	65/65	65/65	65/65	65/65	65/65	65/65	65/65	65/65
	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
6												
20	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40
	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

GROUP AND DOSE LEVEL (PPM)	WEEK:	12	13	14	15	16	17	18	19	20	21	22	23
						FEMALE							
1													
0		65/65	65/65	60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
2													
.500		55/55	55/55	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
3													
2		54/55	54/55	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50
		98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%
4													
5		55/55	55/55	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
5													
20		65/65	65/65	60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
6													
20		40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

GROUP AND DOSE LEVEL (PPM)	WEEK:	24	25	26	27	28	29	30	31	32	33	34	35
						FEMALE							
1													
0		60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
2													
.500		50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	49/50	49/50	49/50
		100%	100%	100%	100%	100%	100%	100%	100%	100%	98%	98%	98%
3													
2		49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50
		98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%
4													
5		50/50	50/50	50/50	50/50	50/50	50/50	50/50	49/50	49/50	49/50	49/50	49/50
		100%	100%	100%	100%	100%	100%	100%	98%	98%	98%	98%	98%
5													
20		60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
6													
20		40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40	40/40
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Survival Data

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

GROUP AND DOSE LEVEL (PPM)	WEEK:	36	37	38	39	40	41	42	43	44	45	46	47
						FEMALE							
1													
0		60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60	60/60
		100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
2													
.500		49/50	49/50	49/50	49/50	49/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50
		98%	98%	98%	98%	98%	96%	96%	96%	96%	96%	96%	96%
3													
2		49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	48/50	47/50	47/50
		98%	98%	98%	98%	98%	98%	98%	98%	98%	96%	94%	94%
4													
5		49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50
		98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%
5													
20		60/60	60/60	60/60	59/60	59/60	59/60	59/60	59/60	59/60	59/60	59/60	59/60
		100%	100%	100%	98%	98%	98%	98%	98%	98%	98%	98%	98%
6													
20		40/40	40/40	40/40	40/40	40/40	39/40	39/40	39/40	39/40	39/40	39/40	39/40
		100%	100%	100%	100%	100%	98%	98%	98%	98%	98%	98%	98%

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

GROUP AND DOSE LEVEL (PPM)	WEEK:	48	49	50	51	52	53	54	55	56	57	58	59
						FEMALE							
1													
0		60/60	60/60	60/60	60/60	60/60	50/50	50/50	50/50	50/50	49/50	49/50	49/50
		100%	100%	100%	100%	100%	100%	100%	100%	100%	98%	98%	98%
2													
.500		48/50	48/50	47/50	47/50	47/50	47/50	47/50	47/50	47/50	47/50	47/50	47/50
		96%	96%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%
3													
2		47/50	47/50	47/50	47/50	47/50	47/50	47/50	47/50	47/50	47/50	47/50	47/50
		94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%	94%
4													
5		49/50	49/50	49/50	49/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50
		98%	98%	98%	98%	96%	96%	96%	96%	96%	96%	96%	96%
5													
20		59/60	59/60	59/60	59/60	59/60	49/50	49/50	48/50	48/50	48/50	47/50	47/50
		98%	98%	98%	98%	98%	98%	98%	96%	96%	96%	94%	94%
6													
20		39/40	39/40	39/40	39/40	39/40	39/40	39/40	39/40	39/40	39/40	39/40	39/40
		98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%	98%

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

GROUP AND DOSE LEVEL (PPM)	WEEK:	60	61	62	63	64	65	66	67	68	69	70	71
						FEMALE							
1													
0		48/50	48/50	48/50	48/50	48/50	47/50	47/50	47/50	47/50	47/50	47/50	47/50
		96%	96%	96%	96%	96%	94%	94%	94%	94%	94%	94%	94%
2													
.500		47/50	47/50	47/50	46/50	46/50	45/50	44/50	44/50	44/50	43/50	42/50	41/50
		94%	94%	94%	92%	92%	90%	88%	88%	88%	86%	84%	82%
3													
2		47/50	47/50	47/50	46/50	46/50	46/50	42/50	42/50	42/50	42/50	41/50	40/50
		94%	94%	94%	92%	92%	92%	84%	84%	84%	84%	82%	80%
4													
5		48/50	48/50	48/50	48/50	48/50	48/50	47/50	47/50	47/50	47/50	47/50	47/50
		96%	96%	96%	96%	96%	96%	94%	94%	94%	94%	94%	94%
5													
20		47/50	47/50	47/50	46/50	46/50	46/50	45/50	45/50	44/50	44/50	44/50	44/50
		94%	94%	94%	92%	92%	92%	90%	90%	88%	88%	88%	88%
6													
20		39/40	39/40	39/40	39/40	39/40	38/40	38/40	38/40	38/40	38/40	38/40	37/40
		98%	98%	98%	98%	98%	95%	95%	95%	95%	95%	95%	93%

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

GROUP AND DOSE LEVEL (PPM)	WEEK:	72	73	74	75	76	77	78	79	80	81	82	83
						FEMALE							
1													
0		45/50	44/50	44/50	44/50	44/50	44/50	44/50	41/50	41/50	39/50	39/50	37/50
		90%	88%	88%	88%	88%	88%	88%	82%	82%	78%	78%	74%
2													
.500		39/50	39/50	39/50	39/50	39/50	39/50	39/50	39/50	39/50	39/50	38/50	38/50
		78%	78%	78%	78%	78%	78%	78%	78%	78%	78%	76%	76%
3													
2		39/50	39/50	39/50	38/50	37/50	37/50	37/50	37/50	35/50	33/50	31/50	28/50
		78%	78%	78%	76%	74%	74%	74%	74%	70%	66%	62%	56%
4													
5		45/50	45/50	45/50	44/50	44/50	41/50	40/50	40/50	39/50	39/50	39/50	38/50
		90%	90%	90%	88%	88%	82%	80%	80%	78%	78%	78%	76%
5													
20		44/50	44/50	44/50	43/50	42/50	42/50	41/50	40/50	40/50	40/50	40/50	40/50
		88%	88%	88%	86%	84%	84%	82%	80%	80%	80%	80%	80%
6													
20		37/40	37/40	37/40	36/40	35/40	35/40	35/40	35/40	35/40	35/40	35/40	34/40
		93%	93%	93%	90%	88%	88%	88%	88%	88%	88%	88%	85%

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

GROUP AND DOSE LEVEL (PPM)	WEEK:	84	85	86	87	88	89	90	91	92	93	94	95
						FEMALE							
1													
0		37/50	35/50	35/50	34/50	33/50	31/50	31/50	31/50	31/50	28/50	28/50	28/50
		74%	70%	70%	68%	66%	62%	62%	62%	62%	56%	56%	56%
2													
.500		37/50	37/50	37/50	35/50	34/50	32/50	31/50	31/50	29/50	29/50	26/50	26/50
		74%	74%	74%	70%	68%	64%	62%	62%	58%	58%	52%	52%
3													
2		26/50	25/50	23/50	23/50	23/50	23/50	22/50	19/50	16/50	16/50	16/50	15/50
		52%	50%	46%	46%	46%	46%	44%	38%	32%	32%	32%	30%
4													
5		37/50	37/50	37/50	37/50	37/50	35/50	33/50	33/50	33/50	31/50	29/50	28/50
		74%	74%	74%	74%	74%	70%	66%	66%	66%	62%	58%	56%
5													
20		40/50	40/50	39/50	39/50	38/50	38/50	38/50	37/50	33/50	32/50	31/50	31/50
		80%	80%	78%	78%	76%	76%	76%	74%	66%	64%	62%	62%
6													
20		32/40	32/40	31/40	30/40	29/40	29/40	27/40	25/40	23/40	23/40	23/40	23/40
		80%	80%	78%	75%	73%	73%	68%	63%	58%	58%	58%	58%

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

GROUP AND DOSE LEVEL (PPM)	WEEK: 96	97	98	99	100	101	102	103	104
					FEMALE				
1 0	26/50 52%	26/50 52%	26/50 52%	26/50 52%	26/50 52%	25/50 50%	25/50 50%	25/50 50%	25/50 50%
2 .500	25/50 50%	24/50 48%	21/50 42%	19/50 38%	19/50 38%	18/50 36%	16/50 32%	15/50 30%	15/50 30%
3 2	14/50 28%	13/50 26%	12/50 24%	12/50 24%	12/50 24%	11/50 22%	10/50 20%		
4 5	25/50 50%	24/50 48%	23/50 46%	20/50 40%	19/50 38%	18/50 36%	18/50 36%	17/50 34%	17/50 34%
5 20	30/50 60%	30/50 60%	30/50 60%	30/50 60%	27/50 54%	27/50 54%	26/50 52%	26/50 52%	26/50 52%
6 20	22/40 55%	22/40 55%	21/40 53%	21/40 53%	21/40 53%	21/40 53%	21/40 53%	21/40 53%	19/40 48%

Table 5

Summary of Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DAYS 1-736		NUMBER OF ANIMALS AFFECTED					
	SEX:	MALE					
	GROUP:	1	2	3	4	5	6
CATEGORY	DOSE:	0	0.5	2	5	20	20
KEYWORD							
QUALIFIER	NUMBER:	70	60	60	60	70	40
*** TOP OF LIST ***							
APPEARANCE							
BENT TAIL		0	1	0	0	0	1
CONVULSIONS		0	0	0	1	0	1
HEAD TILT							
LEFT		0	1	0	1	0	1
RIGHT		4	0	1	0	0	2
HUNCHED		3	3	3	2	2	2
LIMITED USE							
LIMB-FRONT-LEFT		0	1	0	0	0	0
LIMB-HIND-LEFT		0	0	0	0	1	0
LIMB-HIND-RIGHT		2	0	0	0	1	0
LIMBS-ALL		1	0	0	0	1	1
LIMBS-HIND		0	4	0	1	2	2
PAW-HIND-LEFT		0	0	0	0	1	1
PAW-HIND-RIGHT		1	0	0	0	0	0
PAWS-ALL		0	0	0	0	1	0
PAWS-FRONT		0	1	0	0	0	0
PAWS-HIND		1	0	0	0	0	0
MALOCCLUSION		12	7	9	9	11	10
MISSING							
TAIL-DISTAL		0	0	0	0	0	0
TEETH		2	5	1	1	5	2
OBES		1	1	0	1	3	2
PARALYSIS							
LIMBS-HIND		0	1	0	0	0	0

Table 5

Summary of Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DAYS 1-736

NUMBER OF ANIMALS AFFECTED

SEX:	MALE					
GROUP:	1	2	3	4	5	6
CATEGORY / DOSE:	0	0.5	2	5	20	20
KEYWORD / QUALIFIER / NUMBER:	70	60	60	60	70	40
APPEARANCE						
PROLAPSED						
VAGINA	0	0	0	0	0	0
SWOLLEN						
DORSAL	0	0	0	0	0	0
DIGIT(S)-HIND-LEFT	0	0	0	0	0	0
DIGIT(S)-HIND-RIGHT	1	0	0	0	0	0
LIMB-HIND-LEFT	0	0	2	0	1	2
LIMB-HIND-RIGHT	1	0	0	0	0	2
LIMBS-HIND	0	0	0	0	1	0
MOUTH	0	1	0	0	0	0
NOSE	1	0	0	0	0	1
PERI-ORAL	0	0	1	0	0	0
PAW-FRONT-RIGHT	0	0	0	1	0	0
PAW-HIND-LEFT	1	3	2	0	1	5
PAW-HIND-RIGHT	4	0	2	2	3	4
PAWS-HIND	1	0	0	0	1	0
TAIL	1	0	0	0	0	0
TAIL-DISTAL	0	0	0	0	0	0
TAIL-PROXIMAL	0	0	1	0	0	0
VENTRAL-ABDOMINAL	1	0	0	3	0	0
VENTRAL-ABDOMINAL-LEFT	0	0	0	0	1	0
VAGINA	0	0	0	0	0	0
TESTES	0	0	1	0	0	0
TESTIS-LEFT	0	0	0	0	0	1

Table 5

Summary of Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DAYS 1-736		NUMBER OF ANIMALS AFFECTED					
	SEX:	MALE					
	GROUP:	1	2	3	4	5	6
CATEGORY	DOSE:	0	0.5	2	5	20	20
KEYWORD							
QUALIFIER	NUMBER:	70	60	60	60	70	40
APPEARANCE							
THIN		15	21	17	10	12	11
TREMORS							
LIMBS-ALL		1	0	0	0	0	0
ENTIRE BODY		0	0	0	0	1	0
HEAD		0	1	0	0	0	0
BEHAVIOR							
AGGRESSIVE							
<UNSPECIFIED>		0	0	1	0	0	0
ATAXIC							
<UNSPECIFIED>		4	4	0	1	1	2
MODERATE		0	0	0	0	0	0
CIRCLING							
LEFT		0	0	0	0	0	0
RIGHT		0	0	0	0	0	0
HYPOACTIVE							
<UNSPECIFIED>		10	13	14	11	10	10
MILD		0	0	0	0	0	0
MODERATE		1	0	0	0	0	1
SEVERE		0	1	0	0	0	0
RECUMBENT							
DORSAL		0	0	0	0	0	1
LATERAL		4	3	2	2	0	2
STERNAL		1	1	0	0	1	2

Table 5

Summary of Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

		NUMBER OF ANIMALS AFFECTED					
DAYS 1-736							
	SEX:	MALE					
	GROUP:	1	2	3	4	5	6
CATEGORY	DOSE:	0	0.5	2	5	20	20
KEYWORD							
QUALIFIER	NUMBER:	70	60	60	60	70	40
BEHAVIOR							
SENSITIVE TO TOUCH		0	1	0	2	0	0
COLD TO TOUCH							
LIMBS-ALL		0	0	0	0	1	1
LIMBS-HIND		0	1	0	0	0	0
TAIL		0	0	0	0	1	0
ENTIRE BODY		2	4	1	3	2	4
DISCHARGE							
GENITAL							
RED IN COLOR		6	1	2	2	4	1
CLEAR ORAL							
<UNSPECIFIED>		1	0	0	0	0	1
MILD		0	0	0	1	0	0
MODERATE		0	0	0	0	0	0
NASAL							
RED IN COLOR		2	0	1	2	0	2
UNKNOWN							
RED IN COLOR		0	0	2	0	0	0
EXCRETION							
DISCOLORED FECES							
RED IN COLOR		1	0	0	0	0	0
YELLOW IN COLOR		0	0	0	0	0	0

Table 5

Summary of Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DAYS 1-736		NUMBER OF ANIMALS AFFECTED					
	SEX:	MALE					
	GROUP:	1	2	3	4	5	6
CATEGORY	DOSE:	0	0.5	2	5	20	20
KEYWORD							
QUALIFIER	NUMBER:	70	60	60	60	70	40
EXCRETION							
DISCOLORED URINE							
RED IN COLOR		0	0	1	0	0	0
FEW FECES		16	23	16	16	18	16
LIQUID FECES		0	0	0	1	0	1
NO FECES		6	2	3	5	3	4
NONFORMED FECES		2	3	2	3	2	4
EYES							
CLEAR DISCHARGE							
EYE-LEFT		1	2	1	0	0	0
EYE-RIGHT		0	1	0	1	0	0
EYES		0	2	0	0	0	0
DILATED PUPIL							
EYES		0	0	1	0	0	0
DISCOLORED/LIGHT RED							
EYE-LEFT		0	0	0	0	0	0
EYE-RIGHT		0	0	0	2	0	0
EYES		0	0	0	1	0	0
OPAQUE							
EYE-LEFT		0	0	1	0	0	0
PALE							
EYE-RIGHT		0	0	0	0	0	0
EYES		0	1	0	2	0	0
PROTRUDING							
EYE-LEFT		0	0	1	0	0	0

Table 5

Summary of Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

		NUMBER OF ANIMALS AFFECTED					
DAYS 1-736							
	SEX:	MALE					
	GROUP:	1	2	3	4	5	6
CATEGORY	DOSE:	0	0.5	2	5	20	20
KEYWORD							
QUALIFIER	NUMBER:	70	60	60	60	70	40
EYES							
PROTRUDING							
EYE-RIGHT		0	0	0	0	0	0
EYES		0	0	0	0	1	0
RED DISCHARGE							
EYE-LEFT		2	2	5	1	1	2
EYE-RIGHT		1	2	2	6	3	3
EYES		5	5	3	5	2	3
SCAB							
EYE-LEFT		0	0	1	0	0	0
EYE-RIGHT		0	2	0	0	0	0
SQUINTED							
PERI-ORBITAL		7	0	3	2	2	2
PERI-ORBITAL-RIGHT		0	0	1	2	0	0
RESPIRATION							
AUDIBLE		5	3	1	1	1	3
IRREGULAR		6	2	1	1	1	3
LABORED		2	4	2	1	2	2
SKIN & PELAGE							
ALOPECIA		0	0	0	0	0	0
BROWN HAIR COAT							
PERINEAL AREA		1	0	0	2	1	0
SCROTUM		1	1	0	0	0	1

Table 5

Summary of Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DAYS 1-736

NUMBER OF ANIMALS AFFECTED

SEX:	MALE					
GROUP:	1	2	3	4	5	6
CATEGORY / DOSE:	0	0.5	2	5	20	20
KEYWORD / QUALIFIER / NUMBER:	70	60	60	60	70	40
SKIN & PELAGE						
BROWN HAIR COAT						
VENTRAL-ABDOMINAL	0	1	0	0	1	1
BLUE SKIN						
PAWS-ALL	0	0	0	0	0	0
TAIL	0	0	0	0	0	0
VENTRAL-ABDOMINAL	0	0	0	0	0	0
VENTRAL-ABDOMINAL-LEFT	0	0	0	0	0	0
VENTRAL-THORACIC-LEFT	0	0	0	0	0	0
BROWN SKIN						
VENTRAL-ABDOMINAL	0	0	0	0	0	0
BLACK SKIN						
DORSAL	0	0	0	1	1	0
TAIL	0	0	0	0	0	0
VENTRAL-ABDOMINAL	0	0	0	0	1	0
VENTRAL-ABDOMINAL-LEFT	0	1	0	0	0	0
VENTRAL-ABDOMINAL-RIGHT	0	0	0	0	0	0
VENTRAL-CERVICAL-RIGHT	0	0	0	0	0	0
VENTRAL-THORACIC	0	0	0	0	0	0
VENTRAL-THORACIC-LEFT	0	0	0	0	0	0
PALE						
ENTIRE BODY	0	5	5	3	1	2
RED HAIR COAT						
DORSAL-CERVICAL	0	0	0	0	0	0
HEAD-ENTIRE	5	4	3	3	3	3
HEAD-CRANIAL	0	0	0	0	0	0

Table 5

Summary of Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DAYS 1-736

NUMBER OF ANIMALS AFFECTED

SEX:	MALE					
GROUP:	1	2	3	4	5	6
CATEGORY / DOSE:	0	0.5	2	5	20	20
KEYWORD / QUALIFIER / NUMBER:	70	60	60	60	70	40
SKIN & PELAGE						
RED HAIR COAT						
HEAD-MAXILLARY-LEFT	0	0	0	1	0	0
HEAD-MAXILLARY-RIGHT	0	0	0	1	0	0
LATERAL-ABDOMINAL-RIGHT	0	0	0	1	0	0
LATERAL-CERVICAL-RIGHT	0	0	0	0	0	0
LATERA-RIGHT	0	0	0	0	0	0
LATERAL-THORACIC-LEFT	0	0	0	0	0	0
PERINEAL AREA	0	0	0	0	0	0
SHOULDER-RIGHT	0	0	0	0	1	0
VENTRAL-ABDOMINAL	2	0	1	1	1	0
ROUGH HAIR COAT	7	6	6	4	3	4
RED SKIN						
EARS	0	0	0	0	0	0
HEAD-MAXILLARY-RIGHT	1	0	0	0	0	0
PAW-HIND-RIGHT	0	0	0	0	0	1
SORE/SCAB						
AXILLARY REGION-LEFT	0	0	0	1	2	0
AXILLARY REGION-RIGHT	0	0	0	0	0	1
DORSAL	3	7	0	4	4	2
DORSAL-CERVICAL	0	1	0	0	0	0
DORSAL-CERVICAL-LEFT	0	0	1	0	1	0
DORSAL-CERVICAL-RIGHT	0	0	0	0	0	0
DORSAL-THORACIC	0	1	1	1	0	0
DORSAL-THORACIC-LEFT	0	0	0	0	2	0
DORSAL-THORACIC-RIGHT	0	1	0	0	0	1

Table 5

Summary of Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DAYS 1-736	NUMBER OF ANIMALS AFFECTED					
SEX:	MALE					
GROUP:	1	2	3	4	5	6
CATEGORY / DOSE:	0	0.5	2	5	20	20
KEYWORD / QUALIFIER / NUMBER:	70	60	60	60	70	40
SKIN & PELAGE						
SORE/SCAB						
EAR-LEFT	0	0	1	0	0	0
EAR-RIGHT	0	0	0	0	0	1
HEAD-ENTIRE	0	1	0	0	1	0
HEAD-CRANIAL	0	0	1	0	0	0
HEAD-MAXILLARY-LEFT	0	0	0	0	1	0
HEAD-MAXILLARY-RIGHT	1	0	0	1	0	0
LATERAL-ABDOMINAL-LEFT	0	0	1	0	1	0
LATERAL-ABDOMINAL-RIGHT	0	0	1	0	0	0
LATERAL-CERVICAL-RIGHT	0	0	1	0	0	0
LIMB-FRONT-RIGHT	0	0	0	2	1	0
LIMB-HIND-RIGHT	0	0	0	0	0	0
LIMBS-HIND	0	0	0	0	0	0
LATERAL-LEFT	0	0	0	1	0	0
LATERAL-THORACIC-LEFT	0	0	0	0	0	0
MOUTH	0	0	0	1	0	1
PAW-HIND-LEFT	2	2	1	3	2	2
PAW-HIND-RIGHT	1	0	2	3	1	2
PAWS-HIND	1	0	0	2	0	1
SHOULDER-LEFT	0	1	1	0	0	0
SHOULDER-RIGHT	2	1	1	0	0	1
TAIL	0	0	0	0	0	0
TAIL-DISTAL	0	0	0	0	0	0
TAIL-MID	0	0	1	0	0	0
TAIL-PROXIMAL	2	0	0	0	0	0

Table 5

Summary of Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DAYS 1-736	NUMBER OF ANIMALS AFFECTED					
SEX:	MALE					
GROUP:	1	2	3	4	5	6
CATEGORY / DOSE:	0	0.5	2	5	20	20
KEYWORD / QUALIFIER / NUMBER:	70	60	60	60	70	40
SKIN & PELAGE						
SORE/SCAB						
VENTRAL-ABDOMINAL	2	1	4	2	6	5
VENTRAL-ABDOMINAL-LEFT	0	3	2	2	3	2
VENTRAL-ABDOMINAL-RIGHT	0	4	3	4	8	1
VENTRAL-CERVICAL	0	2	0	0	0	0
VENTRAL-CERVICAL-LEFT	0	0	0	0	0	0
VENTRAL-CERVICAL-RIGHT	0	0	0	0	0	0
VENTRAL-THORACIC	0	0	0	0	0	0
VENTRAL-THORACIC-LEFT	0	0	0	0	0	0
VENTRAL-THORACIC-RIGHT	0	0	0	0	0	0
WARM TO TOUCH						
LIMBS-HIND	0	0	0	0	0	0
YELLOW HAIR COAT	4	2	0	1	2	0
YELLOW SKIN						
PAWS-ALL	0	0	0	0	0	0
TAIL	0	0	0	0	0	0
BLACK HAIR COAT - PERINEAL	0	0	0	1	0	0
COLD TO TOUCH	0	0	0	0	0	1

Table 5

Summary of Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DAYS 1-736	NUMBER OF ANIMALS AFFECTED					
SEX:	FEMALE					
GROUP:	1	2	3	4	5	6
CATEGORY / DOSE:	0	0.5	2	5	20	20
KEYWORD / QUALIFIER / NUMBER:	70	60	60	60	70	40
*** TOP OF LIST ***						
APPEARANCE						
BENT TAIL	0	0	0	0	0	0
CONVULSIONS	1	0	1	0	1	2
HEAD TILT						
LEFT	5	4	7	6	2	3
RIGHT	2	3	5	5	2	1
HUNCHED	3	4	5	6	5	3
LIMITED USE						
LIMB-FRONT-LEFT	0	0	0	0	0	0
LIMB-HIND-LEFT	1	1	0	0	0	0
LIMB-HIND-RIGHT	0	0	0	0	0	0
LIMBS-ALL	0	0	0	0	0	0
LIMBS-HIND	0	0	0	0	0	0
PAW-HIND-LEFT	0	0	0	0	0	0
PAW-HIND-RIGHT	0	0	0	0	0	0
PAWS-ALL	0	0	0	0	0	0
PAWS-FRONT	0	0	0	0	0	0
PAWS-HIND	0	0	0	0	0	0
MALOCCLUSION	16	13	11	12	10	8
MISSING						
TAIL-DISTAL	1	0	1	1	0	0
TEETH	2	5	2	3	5	1
OBES	2	0	2	0	0	0
PARALYSIS						
LIMBS-HIND	0	0	0	0	0	0

Table 5

Summary of Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DAYS 1-736

NUMBER OF ANIMALS AFFECTED

SEX:	FEMALE					
GROUP:	1	2	3	4	5	6
CATEGORY / DOSE:	0	0.5	2	5	20	20
KEYWORD / QUALIFIER / NUMBER:	70	60	60	60	70	40
APPEARANCE						
PROLAPSED						
VAGINA	0	1	1	0	0	0
SWOLLEN						
DORSAL	0	0	0	0	1	0
DIGIT(S)-HIND-LEFT	1	0	0	0	0	0
DIGIT(S)-HIND-RIGHT	0	0	0	0	0	0
LIMB-HIND-LEFT	1	0	0	0	1	0
LIMB-HIND-RIGHT	0	0	0	1	0	0
LIMBS-HIND	0	0	0	0	0	0
MOUTH	0	1	0	1	0	0
NOSE	0	0	0	2	0	0
PERI-ORAL	0	0	0	0	0	0
PAW-FRONT-RIGHT	0	0	0	0	0	0
PAW-HIND-LEFT	1	0	1	0	2	0
PAW-HIND-RIGHT	1	1	1	0	0	0
PAWS-HIND	0	0	0	0	0	0
TAIL	0	0	0	0	0	0
TAIL-DISTAL	0	0	1	0	0	0
TAIL-PROXIMAL	0	0	0	1	0	0
VENTRAL-ABDOMINAL	1	0	0	0	2	0
VENTRAL-ABDOMINAL-LEFT	0	0	0	0	0	0
VAGINA	0	0	1	0	0	0
TESTES	0	0	0	0	0	0
TESTIS-LEFT	0	0	0	0	0	0

Table 5

Summary of Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DAYS 1-736	NUMBER OF ANIMALS AFFECTED					
SEX:	FEMALE					
GROUP:	1	2	3	4	5	6
CATEGORY / DOSE:	0	0.5	2	5	20	20
KEYWORD / QUALIFIER / NUMBER:	70	60	60	60	70	40
APPEARANCE						
THIN	12	14	21	17	17	9
TREMORS						
LIMBS-ALL	0	0	0	0	0	0
ENTIRE BODY	0	0	1	0	2	3
HEAD	0	0	0	0	0	0
BEHAVIOR						
AGGRESSIVE						
<UNSPECIFIED>	0	0	0	0	0	0
ATAXIC						
<UNSPECIFIED>	6	4	9	6	3	3
MODERATE	0	0	1	0	0	0
CIRCLING						
LEFT	0	0	1	0	0	0
RIGHT	1	0	0	0	0	0
HYPOACTIVE						
<UNSPECIFIED>	8	7	16	15	7	10
MILD	0	0	1	0	0	0
MODERATE	0	1	2	0	1	0
SEVERE	0	0	1	0	0	0
RECUMBENT						
DORSAL	0	0	1	0	0	0
LATERAL	3	1	2	0	3	1
STERNAL	0	0	0	0	0	1

Table 5

Summary of Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

		NUMBER OF ANIMALS AFFECTED					
DAYS 1-736							
	SEX:	FEMALE					
	GROUP:	1	2	3	4	5	6
CATEGORY	DOSE:	0	0.5	2	5	20	20
KEYWORD							
QUALIFIER	NUMBER:	70	60	60	60	70	40
BEHAVIOR							
SENSITIVE TO TOUCH		1	0	0	0	0	0
COLD TO TOUCH							
LIMBS-ALL		0	0	0	1	0	0
LIMBS-HIND		0	0	0	0	0	0
TAIL		0	0	0	0	0	0
ENTIRE BODY		0	2	1	2	3	1
DISCHARGE							
GENITAL							
RED IN COLOR		0	3	2	1	1	1
CLEAR ORAL							
<UNSPECIFIED>		0	0	1	0	1	0
MILD		0	0	0	0	0	0
MODERATE		0	0	1	0	0	0
NASAL							
RED IN COLOR		4	2	3	1	4	2
UNKNOWN							
RED IN COLOR		0	0	0	0	0	0
AXILLARY LEFT MASS BLEEDING		0	0	0	1	0	0
EXCRETION							
DISCOLORED FECES							
RED IN COLOR		0	0	0	0	0	0
YELLOW IN COLOR		0	0	0	0	1	0

Table 5

Summary of Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

		NUMBER OF ANIMALS AFFECTED					
DAYS 1-736							
	SEX:	FEMALE					
	GROUP:	1	2	3	4	5	6
CATEGORY	DOSE:	0	0.5	2	5	20	20
KEYWORD							
QUALIFIER	NUMBER:	70	60	60	60	70	40
EXCRETION							
DISCOLORED URINE							
RED IN COLOR		0	0	0	0	0	0
FEW FECES		17	20	20	16	13	10
LIQUID FECES		0	0	0	0	0	0
NO FECES		6	7	7	2	3	2
NONFORMED FECES		2	1	1	1	0	1
EYES							
CLEAR DISCHARGE							
EYE-LEFT		2	0	1	1	1	0
EYE-RIGHT		2	1	1	0	2	0
EYES		0	0	1	0	1	0
DILATED PUPIL							
EYES		0	1	0	1	1	0
DISCOLORED/LIGHT RED							
EYE-LEFT		1	0	2	0	0	0
EYE-RIGHT		1	0	0	0	1	0
EYES		1	0	0	0	1	0
OPAQUE							
EYE-LEFT		0	0	0	0	0	1
PALE							
EYE-RIGHT		0	0	0	0	1	0
EYES		0	1	1	2	0	0
PROTRUDING							
EYE-LEFT		0	0	0	0	0	0

Table 5

Summary of Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DAYS 1-736

NUMBER OF ANIMALS AFFECTED

SEX:	FEMALE					
GROUP:	1	2	3	4	5	6
CATEGORY / DOSE:	0	0.5	2	5	20	20
KEYWORD / QUALIFIER / NUMBER:	70	60	60	60	70	40
EYES						
PROTRUDING						
EYE-RIGHT	0	0	0	0	1	0
EYES	3	4	1	0	6	0
RED DISCHARGE						
EYE-LEFT	1	1	5	3	3	2
EYE-RIGHT	5	6	1	5	4	2
EYES	7	5	14	7	7	6
SCAB						
EYE-LEFT	0	0	1	0	0	0
EYE-RIGHT	0	0	0	0	2	0
SQUINTED						
PERI-ORBITAL	1	0	1	0	0	0
PERI-ORBITAL-RIGHT	0	0	3	0	3	0
SWOLLEN RIGHT EYELID	0	0	1	0	0	0
RESPIRATION						
AUDIBLE	1	0	5	2	1	2
IRREGULAR	1	1	3	0	1	1
LABORED	1	2	1	1	1	1
SKIN & PELAGE						
ALOPECIA	2	0	0	2	3	1
BROWN HAIR COAT						
PERINEAL AREA	2	0	1	0	1	0
SCROTUM	0	0	0	0	0	0

Table 5

Summary of Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DAYS 1-736	NUMBER OF ANIMALS AFFECTED					
SEX:	FEMALE					
GROUP:	1	2	3	4	5	6
CATEGORY / DOSE:	0	0.5	2	5	20	20
KEYWORD / QUALIFIER / NUMBER:	70	60	60	60	70	40
SKIN & PELAGE						
BROWN HAIR COAT						
VENTRAL-ABDOMINAL	0	2	0	1	0	0
BLUE SKIN						
PAWS-ALL	0	1	0	0	0	0
TAIL	0	1	0	0	0	0
VENTRAL-ABDOMINAL	1	0	0	0	0	0
VENTRAL-ABDOMINAL-LEFT	0	2	0	0	2	0
VENTRAL-THORACIC-LEFT	0	0	1	0	0	0
BROWN SKIN						
VENTRAL-ABDOMINAL	0	0	1	0	0	0
BLACK SKIN						
DORSAL	0	1	0	0	0	0
TAIL	1	0	0	0	0	0
VENTRAL-ABDOMINAL	1	0	0	0	0	0
VENTRAL-ABDOMINAL-LEFT	0	0	0	1	2	1
VENTRAL-ABDOMINAL-RIGHT	0	2	0	0	0	1
VENTRAL-CERVICAL-RIGHT	0	1	0	0	0	0
VENTRAL-THORACIC	1	0	0	0	0	0
VENTRAL-THORACIC-LEFT	0	0	1	1	0	0
PALE						
ENTIRE BODY	1	2	1	3	2	2
RED HAIR COAT						
DORSAL-CERVICAL	0	0	2	0	0	0
HEAD-ENTIRE	4	5	9	4	6	4
HEAD-CRANIAL	0	1	2	0	0	0

Table 5

Summary of Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DAYS 1-736	NUMBER OF ANIMALS AFFECTED					
SEX:	FEMALE					
GROUP:	1	2	3	4	5	6
CATEGORY / DOSE:	0	0.5	2	5	20	20
KEYWORD / QUALIFIER / NUMBER:	70	60	60	60	70	40
SKIN & PELAGE						
RED HAIR COAT						
HEAD-MAXILLARY-LEFT	0	0	0	0	0	0
HEAD-MAXILLARY-RIGHT	0	0	0	0	0	0
LATERAL-ABDOMINAL-RIGHT	0	0	0	0	0	0
LATERAL-CERVICAL-RIGHT	0	0	0	1	0	0
LATERA-RIGHT	0	0	1	0	0	0
LATERAL-THORACIC-LEFT	0	0	1	0	0	0
PERINEAL AREA	0	0	0	0	1	0
SHOULDER-RIGHT	0	0	0	0	0	0
VENTRAL-ABDOMINAL	0	0	1	2	0	1
ROUGH HAIR COAT	4	6	5	2	5	4
RED SKIN						
EARS	0	0	1	0	0	0
HEAD-MAXILLARY-RIGHT	0	0	0	0	0	0
PAW-HIND-RIGHT	0	0	0	0	0	0
SORE/SCAB						
AXILLARY REGION-LEFT	2	1	3	1	1	2
AXILLARY REGION-RIGHT	1	1	1	1	0	0
DORSAL	1	1	0	0	1	0
DORSAL-CERVICAL	0	1	2	0	1	1
DORSAL-CERVICAL-LEFT	0	0	0	0	1	0
DORSAL-CERVICAL-RIGHT	0	0	1	0	1	0
DORSAL-THORACIC	1	0	0	0	0	0
DORSAL-THORACIC-LEFT	0	0	0	0	0	0
DORSAL-THORACIC-RIGHT	3	0	1	0	0	0

Table 5

Summary of Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DAYS 1-736	NUMBER OF ANIMALS AFFECTED					
SEX:	FEMALE					
GROUP:	1	2	3	4	5	6
CATEGORY / DOSE:	0	0.5	2	5	20	20
KEYWORD / QUALIFIER / NUMBER:	70	60	60	60	70	40
SKIN & PELAGE						
SORE/SCAB						
EAR-LEFT	0	0	0	0	0	0
EAR-RIGHT	0	0	0	0	0	0
HEAD-ENTIRE	0	0	1	0	1	0
HEAD-CRANIAL	0	0	1	0	0	0
HEAD-MAXILLARY-LEFT	0	0	0	1	0	0
HEAD-MAXILLARY-RIGHT	0	0	1	0	1	0
LATERAL-ABDOMINAL-LEFT	0	0	0	1	0	0
LATERAL-ABDOMINAL-RIGHT	0	0	0	1	0	0
LATERAL-CERVICAL-RIGHT	0	1	0	0	0	0
LIMB-FRONT-RIGHT	0	0	0	0	0	0
LIMB-HIND-RIGHT	0	0	0	1	0	0
LIMBS-HIND	0	0	0	0	0	2
LATERAL-LEFT	0	0	0	0	0	0
LATERAL-THORACIC-LEFT	1	0	0	0	0	0
MOUTH	2	2	0	0	3	1
PAW-HIND-LEFT	1	1	2	2	5	4
PAW-HIND-RIGHT	1	4	2	2	2	1
PAWS-HIND	1	1	1	1	4	1
SHOULDER-LEFT	1	0	0	0	0	0
SHOULDER-RIGHT	0	1	0	0	1	0
TAIL	0	0	1	0	0	0
TAIL-DISTAL	0	0	0	1	0	0
TAIL-MID	0	0	0	0	0	0
TAIL-PROXIMAL	0	0	0	1	0	0

Table 5

Summary of Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DAYS 1-736

		NUMBER OF ANIMALS AFFECTED					
	SEX:	FEMALE					
	GROUP:	1	2	3	4	5	6
CATEGORY	DOSE:	0	0.5	2	5	20	20
KEYWORD							
QUALIFIER	NUMBER:	70	60	60	60	70	40
SKIN & PELAGE							
SORE/SCAB							
VENTRAL-ABDOMINAL		3	0	0	1	3	0
VENTRAL-ABDOMINAL-LEFT		1	3	2	0	2	1
VENTRAL-ABDOMINAL-RIGHT		1	2	0	2	1	3
VENTRAL-CERVICAL		0	0	0	0	1	0
VENTRAL-CERVICAL-LEFT		1	1	1	0	0	0
VENTRAL-CERVICAL-RIGHT		0	0	0	1	1	0
VENTRAL-THORACIC		1	1	0	0	0	1
VENTRAL-THORACIC-LEFT		1	0	2	2	0	0
VENTRAL-THORACIC-RIGHT		0	0	0	0	0	1
WARM TO TOUCH							
LIMBS-HIND		0	0	0	0	0	1
YELLOW HAIR COAT		2	2	5	3	2	3
YELLOW SKIN							
PAWS-ALL		0	0	0	1	0	0
TAIL		0	0	0	1	0	0

*** END OF LIST ***

Table 6

Summary of Mass Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

		NUMBER OF ANIMALS AFFECTED					
DAYS 1-736							
	SEX:	MALE					
	GROUP:	1	2	3	4	5	6
CATEGORY	DOSE:	0	0.5	2	5	20	20
KEYWORD							
QUALIFIER	NUMBER:	70	60	60	60	70	40
*** TOP OF LIST ***							
MASS(ES)							
AXILLARY REGION-LEFT		2	2	1	1	3	0
AXILLARY REGION-RIGHT		0	2	0	0	0	2
DORSAL		3	10	4	8	6	3
DORSAL-CERVICAL-LEFT		0	0	1	0	1	0
DORSAL-CERVICAL-RIGHT		0	0	0	0	0	1
EAR-LEFT		0	0	1	0	0	0
EAR-RIGHT		0	0	0	0	0	1
HEAD-MAXILLARY-LEFT		0	1	1	1	0	1
HEAD-MAXILLARY-RIGHT		1	0	2	1	0	0
INGUINAL REGION-LEFT		1	1	0	1	3	3
INGUINAL REGION-RIGHT		0	1	0	2	3	0
LIMB-FRONT-LEFT		1	0	0	0	0	0
LIMB-FRONT-RIGHT		0	0	0	2	0	0
LIMB-HIND-LEFT		0	0	0	0	0	0
LIMB-HIND-RIGHT		0	1	0	0	0	0
MOUTH		0	0	0	2	0	0
PAW-FRONT-LEFT		0	0	0	0	1	0
PAW-HIND-RIGHT		0	0	0	1	0	0
SHOULDER-LEFT		0	1	1	0	0	0
SHOULDER-RIGHT		1	2	0	0	0	1
TAIL		0	0	1	0	0	0
TAIL-MID		0	0	1	0	0	0
TAIL-PROXIMAL		6	0	1	0	0	0
VENTRAL-ABDOMINAL		3	3	2	4	6	2

Table 6

Summary of Mass Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DAYS 1-736

NUMBER OF ANIMALS AFFECTED

SEX:	MALE					
GROUP:	1	2	3	4	5	6
CATEGORY / DOSE:	0	0.5	2	5	20	20
KEYWORD / QUALIFIER / NUMBER:	70	60	60	60	70	40
MASS(ES)						
VENTRAL-ABDOMINAL-LEFT	2	6	3	4	7	2
VENTRAL-ABDOMINAL-RIGHT	0	5	4	4	6	3
VENTRAL-CERVICAL	0	1	0	0	0	0
VENTRAL-CERVICAL-LEFT	1	0	1	0	0	0
VENTRAL-CERVICAL-RIGHT	0	0	0	0	0	0
VENTRAL-THORACIC	1	0	0	0	0	0
VENTRAL-THORACIC-LEFT	0	0	0	1	0	0
VENTRAL-THORACIC-RIGHT	0	0	1	0	0	0
RECTUM	0	0	0	0	1	0
WART LIKE LESION(S)						
AXILLARY REGION-LEFT	0	0	0	1	0	0
AXILLARY REGION-RIGHT	0	0	0	0	0	1
DORSAL	2	2	1	2	0	4
DORSAL-CERVICAL	0	0	0	0	0	0
DORSAL-CERVICAL-LEFT	0	0	0	1	0	0
DORSAL-CERVICAL-RIGHT	1	0	0	0	0	0
EAR-RIGHT	0	0	0	0	0	1
HEAD-MAXILLARY-LEFT	0	2	2	0	0	0
HEAD-MAXILLARY-RIGHT	1	0	0	0	0	0
LIMB-FRONT-RIGHT	0	0	1	1	0	0
MOUTH	0	0	0	0	1	0
NOSE	1	1	0	0	0	0
PAW-HIND-LEFT	1	0	0	0	0	0

Table 6

Summary of Mass Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DAYS 1-736		NUMBER OF ANIMALS AFFECTED					
	SEX:	MALE					
	GROUP:	1	2	3	4	5	6
CATEGORY	DOSE:	0	0.5	2	5	20	20
KEYWORD							
QUALIFIER	NUMBER:	70	60	60	60	70	40
WART LIKE LESION(S)							
SHOULDER-LEFT		0	0	1	0	0	0
SHOULDER-RIGHT		0	0	0	0	0	1
TAIL		0	0	0	0	0	1
TAIL-MID		0	0	0	1	0	0
TAIL-PROXIMAL		0	0	0	0	0	0
VENTRAL-ABDOMINAL		0	0	0	1	0	1
VENTRAL-ABDOMINAL-LEFT		0	0	0	0	0	1
VENTRAL-ABDOMINAL-RIGHT		0	0	0	0	0	1
VENTRAL-THORACIC-LEFT		0	0	1	0	0	1

Table 6

Summary of Mass Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DAYS 1-736	NUMBER OF ANIMALS AFFECTED					
SEX:	FEMALE					
GROUP:	1	2	3	4	5	6
CATEGORY / DOSE:	0	0.5	2	5	20	20
KEYWORD / QUALIFIER / NUMBER:	70	60	60	60	70	40
*** TOP OF LIST ***						
MASS(ES)						
AXILLARY REGION-LEFT	15	11	15	15	8	6
AXILLARY REGION-RIGHT	11	7	11	13	7	5
DORSAL	0	2	2	0	2	0
DORSAL-CERVICAL-LEFT	0	0	0	0	0	0
DORSAL-CERVICAL-RIGHT	0	0	0	0	0	0
EAR-LEFT	0	0	0	0	0	0
EAR-RIGHT	0	0	0	0	0	1
HEAD-MAXILLARY-LEFT	0	1	1	1	2	0
HEAD-MAXILLARY-RIGHT	1	0	0	1	0	0
INGUINAL REGION-LEFT	8	10	10	12	8	7
INGUINAL REGION-RIGHT	9	7	10	4	9	3
LIMB-FRONT-LEFT	0	0	0	1	0	0
LIMB-FRONT-RIGHT	0	0	0	0	0	0
LIMB-HIND-LEFT	1	0	0	1	0	0
LIMB-HIND-RIGHT	0	1	0	1	0	0
MOUTH	0	0	0	0	0	0
PAW-FRONT-LEFT	0	0	0	0	0	0
PAW-HIND-RIGHT	0	0	0	0	0	0
SHOULDER-LEFT	0	0	0	1	2	0
SHOULDER-RIGHT	0	2	0	0	1	0
TAIL	0	0	0	0	0	0
TAIL-MID	0	0	0	0	0	0
TAIL-PROXIMAL	0	0	0	1	0	0
VENTRAL-ABDOMINAL	12	7	6	5	4	1

Table 6

Summary of Mass Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DAYS 1-736		NUMBER OF ANIMALS AFFECTED					
	SEX:	FEMALE					
	GROUP:	1	2	3	4	5	6
CATEGORY	DOSE:	0	0.5	2	5	20	20
KEYWORD							
QUALIFIER	NUMBER:	70	60	60	60	70	40
MASS(ES)							
VENTRAL-ABDOMINAL-LEFT		5	7	8	9	9	4
VENTRAL-ABDOMINAL-RIGHT		11	10	8	6	8	5
VENTRAL-CERVICAL		2	3	5	4	1	1
VENTRAL-CERVICAL-LEFT		2	1	3	5	3	0
VENTRAL-CERVICAL-RIGHT		0	4	1	5	0	0
VENTRAL-THORACIC		2	0	1	0	2	0
VENTRAL-THORACIC-LEFT		3	2	0	0	2	1
VENTRAL-THORACIC-RIGHT		1	1	0	1	1	2
RECTUM		3	0	0	0	0	0
WART LIKE LESION(S)							
AXILLARY REGION-LEFT		0	0	0	0	0	0
AXILLARY REGION-RIGHT		0	0	0	0	0	0
DORSAL		0	0	0	0	0	0
DORSAL-CERVICAL		0	0	1	0	0	0
DORSAL-CERVICAL-LEFT		0	0	0	0	0	0
DORSAL-CERVICAL-RIGHT		0	0	0	0	0	0
EAR-RIGHT		0	0	0	0	0	0
HEAD-MAXILLARY-LEFT		0	0	0	0	0	1
HEAD-MAXILLARY-RIGHT		0	0	0	0	0	1
LIMB-FRONT-RIGHT		0	0	0	0	0	0
MOUTH		4	0	0	0	1	1
NOSE		0	1	0	0	1	0
PAW-HIND-LEFT		0	0	0	0	0	0

Table 6

Summary of Mass Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

		NUMBER OF ANIMALS AFFECTED					
DAYS 1-736							
	SEX:	FEMALE					
	GROUP:	1	2	3	4	5	6
CATEGORY	DOSE:	0	0.5	2	5	20	20
KEYWORD							
QUALIFIER	NUMBER:	70	60	60	60	70	40
WART LIKE LESION(S)							
SHOULDER-LEFT		0	0	0	0	0	0
SHOULDER-RIGHT		0	0	0	0	0	0
TAIL		0	0	1	0	0	0
TAIL-MID		0	0	0	0	0	0
TAIL-PROXIMAL		0	0	0	0	0	1
VENTRAL-ABDOMINAL		0	0	1	0	0	0
VENTRAL-ABDOMINAL-LEFT		0	0	0	0	0	0
VENTRAL-ABDOMINAL-RIGHT		0	0	0	0	0	0
VENTRAL-THORACIC-LEFT		0	0	0	0	0	0

*** END OF LIST ***

Table 7

Summary of Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

	SEX:	MALE					
	GROUP:	1	2	3	4	5	6
	DOSE:	0	0.5	2	5	20	20
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM
1	N	70	60	60	60	70	40
	MEAN	179	178	179	179	178	178
	S.D.	18.6	18.7	19.0	19.2	18.7	19.0
2	N	70	60	60	60	70	40
	MEAN	237	237	237	236	234	231
	S.D.	21.8	20.2	21.5	20.5	20.2	22.0
3	N	70	60	60	60	70	40
	MEAN	287	290	286	290	285	286
	S.D.	25.0	21.4	23.0	22.8	23.2	25.2
4	N	70	60	60	60	70	40
	MEAN	334	333	328	333	323	326
	S.D.	27.6	23.9	25.4	24.3	25.0	28.0
5	N	65	55	55	55	65	40
	MEAN	367	370	367	367	361	363
	S.D.	31.4	27.1	28.4	27.9	28.1	31.4
6	N	65	55	55	55	65	40
	MEAN	399	402	397	399	390	394
	S.D.	34.3	30.8	30.3	30.4	30.2	34.6
7	N	65	55	55	55	65	40
	MEAN	419	428	418	425	413	415
	S.D.	35.1	33.3	31.8	32.2	32.7	36.8

Table 7

Summary of Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

SEX:		MALE					
GROUP:		1	2	3	4	5	6
DOSE:		0	0.5	2	5	20	20
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM
8	N	65	55	55	55	65	40
	MEAN	448	450	443	448	432	436
	S.D.	37.8	35.7	35.9	35.1	34.2	40.8
9	N	65	55	55	55	65	40
	MEAN	464	463	450	466	446*	446
	S.D.	41.6	37.7	38.2	36.8	36.4	41.0
10	N	65	55	55	55	65	40
	MEAN	481	483	473	479	465	466
	S.D.	43.1	39.8	40.7	36.9	37.2	42.2
11	N	65	55	55	55	65	40
	MEAN	499	502	479*	494	474*	473*
	S.D.	45.2	42.1	42.6	38.5	38.5	45.2
12	N	65	55	55	55	65	40
	MEAN	509	512	494	507	485*	483*
	S.D.	46.8	43.9	44.3	40.4	41.5	46.4
13	N	65	55	55	55	65	40
	MEAN	517	518	508	514	493*	491*
	S.D.	48.0	45.6	47.5	42.5	43.2	49.1
14	N	65	55	55	55	65	40
	MEAN	528	534	517	527	504*	501*
	S.D.	51.1	47.3	49.4	44.4	46.1	50.4

Table 7

Summary of Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

SEX:		MALE					
GROUP:		1	2	3	4	5	6
DOSE:		0	0.5	2	5	20	20
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM
15	N	60	50	50	50	60	40
	MEAN	535	542	531	535	513*	510*
	S.D.	51.9	48.2	49.0	45.5	47.5	51.2
16	N	60	50	50	50	60	40
	MEAN	549	553	542	550	523*	517*
	S.D.	53.5	49.9	50.0	46.5	49.3	52.3
17	N	60	50	50	50	60	40
	MEAN	556	559	551	557	526*	521*
	S.D.	55.4	50.5	51.0	47.8	49.8	52.9
21	N	60	49	50	50	60	40
	MEAN	580	594	582	581	546*	544*
	S.D.	62.1	57.5	57.5	53.2	57.2	59.2
25	N	59	49	50	50	60	40
	MEAN	609	621	611	604	567*	566*
	S.D.	67.8	63.0	61.0	56.7	62.9	65.8
29	N	59	49	50	50	60	40
	MEAN	644	654	640	632	595*	595*
	S.D.	76.0	66.6	67.4	62.5	69.0	69.8
33	N	59	49	50	50	60	40
	MEAN	669	683	666	653	619*	620*
	S.D.	79.5	71.0	70.4	68.8	76.6	75.1

Table 7

Summary of Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

SEX:		MALE					
GROUP:		1	2	3	4	5	6
DOSE:		0	0.5	2	5	20	20
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM
37	N	59	49	50	50	59	40
	MEAN	691	700	687	676	644*	644*
	S.D.	83.5	77.8	73.8	73.6	84.7	81.8
41	N	59	48	50	50	59	40
	MEAN	699	716	702	690	663	657
	S.D.	87.9	81.8	78.2	77.6	92.5	89.6
45	N	59	48	50	50	59	40
	MEAN	715	735	721	709	676	674
	S.D.	95.8	87.8	80.4	82.3	100.7	97.6
49	N	58	48	50	50	58	40
	MEAN	736	759	740	726	699	697
	S.D.	97.2	89.5	83.5	88.9	108.3	104.3
53	N	58	48	50	48	57	40
	MEAN	749	770	753	742	713	712
	S.D.	103.5	91.7	86.2	97.1	115.0	109.2
57	N	48	47	48	47	47	39
	MEAN	757	781	761	753	722	734
	S.D.	109.7	95.6	88.0	100.2	116.0	118.5
61	N	47	46	48	47	46	39
	MEAN	764	790	777	768	742	742
	S.D.	122.9	97.0	91.3	106.4	127.6	123.0

Table 7

Summary of Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

	SEX:	MALE					
	GROUP:	1	2	3	4	5	6
	DOSE:	0	0.5	2	5	20	20
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM
65	N	44	45	48	46	44	39
	MEAN	786	795	783	782	765	740
	S.D.	115.1	104.4	94.7	109.5	123.9	133.4
69	N	43	45	48	45	44	35
	MEAN	799	791	784	794	772	756
	S.D.	120.1	108.1	105.6	113.0	127.4	151.3
73	N	41	44	47	44	43	31
	MEAN	811	790	790	804	779	801
	S.D.	113.7	116.1	115.1	115.4	145.1	145.7
77	N	40	42	45	44	41	30
	MEAN	789	772	773	799	783	797
	S.D.	124.1	114.2	119.1	125.0	142.4	152.8
81	N	31	37	39	40	38	29
	MEAN	811	774	779	799	785	788
	S.D.	124.9	111.7	132.6	124.4	121.9	153.3
85	N	27	32	36	37	37	25
	MEAN	835	762	781	772	790	795
	S.D.	115.7	114.7	138.8	117.3	128.7	150.0
89	N	25	26	31	36	35	24
	MEAN	812	760	795	759	796	782
	S.D.	137.1	125.1	129.9	136.4	136.1	140.4

Table 7

Summary of Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

	SEX:	MALE					
	GROUP:	1	2	3	4	5	6
	DOSE:	0	0.5	2	5	20	20
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM
93	N	22	22	29	27	35	21
	MEAN	825	786	809	821	799	767
	S.D.	128.2	109.6	123.8	112.4	129.9	133.1
97	N	19	19	23	27	32	18
	MEAN	772	761	789	814	769	737
	S.D.	132.2	105.3	157.6	116.2	140.8	155.9
101	N	15	17	19	26	27	14
	MEAN	755	717	814	802	765	754
	S.D.	159.1	123.5	138.3	124.6	122.3	127.6
105	N	11	11	17	25	23	11
	MEAN	746	734	809	768	755	719
	S.D.	164.5	154.1	129.6	130.4	136.1	151.1

Table 7

Summary of Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

	SEX:	FEMALE					
	GROUP:	1	2	3	4	5	6
	DOSE:	0	0.5	2	5	20	20
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM
1	N	70	60	60	60	70	40
	MEAN	154	154	155	154	153	155
	S.D.	11.1	10.4	10.0	10.1	11.1	11.8
2	N	70	60	60	60	70	40
	MEAN	183	180	176	180	177	178
	S.D.	14.6	15.0	14.2	13.2	13.5	14.8
3	N	70	60	60	60	70	40
	MEAN	207	204	199*	204	199*	198*
	S.D.	18.6	17.4	15.7	15.5	16.2	15.8
4	N	70	60	60	60	70	40
	MEAN	224	222	217	218	215*	214
	S.D.	22.1	21.2	18.9	19.1	17.4	18.8
5	N	65	55	55	55	65	40
	MEAN	237	236	232	232	224*	227
	S.D.	23.6	22.9	20.1	20.0	17.4	19.4
6	N	65	55	55	55	65	40
	MEAN	248	250	245	244	233*	235*
	S.D.	25.3	25.0	21.6	21.1	19.6	19.8
7	N	65	55	55	55	65	40
	MEAN	254	257	251	250	236*	240*
	S.D.	27.7	27.1	20.0	21.7	20.1	18.8

Table 7

Summary of Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

SEX:	FEMALE					
GROUP:	1	2	3	4	5	6
DOSE:	0	0.5	2	5	20	20
WEEK UNITS:	PPM	PPM	PPM	PPM	PPM	PPM
8 N	65	55	55	55	65	40
MEAN	266	269	262	263	247*	250*
S.D.	30.0	28.1	23.0	24.4	20.2	21.0
9 N	65	55	55	55	65	40
MEAN	268	273	263	264	245*	247*
S.D.	31.4	30.2	21.7	25.3	22.0	22.1
10 N	65	55	54	55	65	40
MEAN	279	283	271	275	253*	254*
S.D.	33.5	31.7	23.7	27.2	22.4	22.0
11 N	65	55	54	55	65	40
MEAN	281	291	277	277	258*	255*
S.D.	33.8	33.1	23.8	25.8	22.6	22.6
12 N	65	55	54	55	65	40
MEAN	290	292	278	279	257*	259*
S.D.	37.0	34.5	23.6	27.5	21.1	23.0
13 N	65	55	54	55	65	40
MEAN	295	296	284	285	261*	262*
S.D.	38.9	35.3	24.4	29.1	22.7	23.2
14 N	65	55	54	55	65	40
MEAN	300	303	292	292	265*	266*
S.D.	40.1	37.6	24.5	31.7	23.3	23.6

Table 7

Summary of Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

	SEX:	FEMALE					
	GROUP:	1	2	3	4	5	6
	DOSE:	0	0.5	2	5	20	20
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM
15	N	60	50	49	50	60	40
	MEAN	302	304	294	298	266*	269*
	S.D.	42.2	36.7	26.4	33.3	22.0	23.7
16	N	60	50	49	50	60	40
	MEAN	307	310	298	303	268*	271*
	S.D.	43.9	39.1	28.2	33.8	23.1	24.3
17	N	60	50	49	50	60	40
	MEAN	307	311	303	305	272*	273*
	S.D.	43.9	38.3	26.5	34.9	23.6	25.0
21	N	60	50	49	50	60	40
	MEAN	316	322	314	313	280*	280*
	S.D.	44.8	40.2	29.9	38.2	24.1	26.5
25	N	60	50	49	50	60	40
	MEAN	331	335	324	328	290*	291*
	S.D.	50.9	45.6	30.7	42.2	27.8	29.6
29	N	60	50	49	50	60	40
	MEAN	342	347	338	342	298*	301*
	S.D.	52.8	50.0	36.1	47.2	30.2	32.5
33	N	60	50	49	49	60	40
	MEAN	358	362	356	353	310*	312*
	S.D.	58.0	55.0	40.7	46.8	32.8	36.8

Table 7

Summary of Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

	SEX:	FEMALE					
	GROUP:	1	2	3	4	5	6
	DOSE:	0	0.5	2	5	20	20
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM
37	N	60	49	49	49	60	40
	MEAN	373	375	371	365	319*	321*
	S.D.	64.8	56.7	43.4	47.3	36.6	39.8
41	N	60	49	49	49	59	40
	MEAN	389	393	385	378	328*	329*
	S.D.	69.4	62.4	50.0	49.8	38.3	46.5
45	N	60	48	49	49	59	39
	MEAN	409	413	396	394	339*	346*
	S.D.	73.3	63.6	59.8	51.1	41.0	48.0
49	N	60	48	47	49	59	39
	MEAN	422	424	415	407	351*	356*
	S.D.	74.5	66.3	55.7	55.1	45.5	50.0
53	N	60	47	47	48	59	39
	MEAN	427	435	428	422	358*	366*
	S.D.	78.8	71.8	61.2	56.5	48.3	52.6
57	N	50	47	47	48	48	39
	MEAN	440	451	447	443	371*	393*
	S.D.	79.8	77.9	68.4	59.0	54.6	59.4
61	N	48	47	47	48	47	39
	MEAN	463	464	463	458	382*	419*
	S.D.	81.3	83.4	75.4	59.3	58.8	63.9

Table 7

Summary of Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

	SEX:	FEMALE					
	GROUP:	1	2	3	4	5	6
	DOSE:	0	0.5	2	5	20	20
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM
65	N	47	46	46	48	46	39
	MEAN	472	473	469	458	384*	433
	S.D.	86.7	93.5	85.5	63.6	67.7	73.3
69	N	47	43	42	47	44	38
	MEAN	486	496	492	475	397*	460
	S.D.	92.2	93.6	85.2	66.0	63.0	76.4
73	N	45	39	39	45	44	37
	MEAN	494	508	504	478	400*	479
	S.D.	98.0	89.0	93.6	78.0	68.3	76.9
77	N	44	39	37	44	42	35
	MEAN	499	519	509	477	403*	486
	S.D.	103.3	93.7	104.3	78.3	78.3	79.5
81	N	41	39	35	39	40	35
	MEAN	514	526	503	485	417*	490
	S.D.	100.3	100.9	118.8	79.8	70.3	84.4
85	N	37	37	26	37	40	32
	MEAN	512	537	525	493	423*	500
	S.D.	107.0	98.0	128.8	83.4	76.1	98.9
89	N	32	34	23	37	38	29
	MEAN	516	550	523	496	431*	524
	S.D.	89.6	110.6	120.9	81.3	74.5	96.4

Table 7

Summary of Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

	SEX:	FEMALE					
	GROUP:	1	2	3	4	5	6
	DOSE:	0	0.5	2	5	20	20
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM
93	N	31	29	16	33	33	23
	MEAN	504	550	565	509	438*	548
	S.D.	99.4	114.7	125.9	72.3	77.5	92.5
97	N	26	25	14	25	30	22
	MEAN	524	556	572	518	451*	555
	S.D.	93.1	103.8	139.3	77.9	85.9	97.9
101	N	26	19	12	19	27	21
	MEAN	528	541	566	529	452*	536
	S.D.	97.2	96.5	151.0	78.9	87.3	116.5
105	N	24	15	0	17	26	19
	MEAN	516	523		518	447	542
	S.D.	105.7	117.0		85.6	101.2	138.4

Table 8

Summary of Body Weight Change Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

SEX:		MALE					
GROUP:		1	2	3	4	5	6
DOSE:		0	0.5	2	5	20	20
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM
1-2	N	70	60	60	60	70	40
	MEAN	58	59	58	57	57	53*
	S.D.	5.8	5.6	5.2	4.4	5.9	6.4
2-3	N	70	60	60	60	70	40
	MEAN	50	53*	48	55*	50	56*
	S.D.	6.5	6.2	6.2	7.5	6.2	7.2
3-4	N	70	60	60	60	70	40
	MEAN	47	42*	43*	43*	38*	40*
	S.D.	6.8	8.0	7.6	6.8	6.6	7.3
4-5	N	65	55	55	55	65	40
	MEAN	34	38*	38*	34	37	37
	S.D.	7.6	6.3	6.8	8.2	5.6	5.8
5-6	N	65	55	55	55	65	40
	MEAN	32	32	30	32	29	30
	S.D.	6.2	7.0	5.7	5.3	5.1	6.0
6-7	N	65	55	55	55	65	40
	MEAN	20	26*	21	26*	23	21
	S.D.	6.5	5.9	6.3	5.8	7.5	5.3
7-8	N	65	55	55	55	65	40
	MEAN	29	22*	25*	23*	20*	21*
	S.D.	5.8	6.7	7.2	6.7	5.5	10.4

Table 8

Summary of Body Weight Change Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

SEX:		MALE					
GROUP:		1	2	3	4	5	6
DOSE:		0	0.5	2	5	20	20
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM
8-9	N	65	55	55	55	65	40
	MEAN	17	13	7*	18	13	9*
	S.D.	11.0	6.1	5.8	4.7	7.9	9.0
9-10	N	65	55	55	55	65	40
	MEAN	16	20*	23*	13*	20*	20*
	S.D.	5.7	4.7	6.5	4.0	5.3	5.0
10-11	N	65	55	55	55	65	40
	MEAN	18	19	6*	15*	9*	8*
	S.D.	5.3	5.1	6.9	6.8	6.5	5.8
11-12	N	65	55	55	55	65	40
	MEAN	10	10	15*	13*	10	10
	S.D.	8.2	4.2	9.3	6.0	5.6	4.3
12-13	N	65	55	55	55	65	40
	MEAN	9	6*	14*	7	8	8
	S.D.	5.8	5.5	6.8	5.1	4.7	5.4
13-14	N	65	55	55	55	65	40
	MEAN	11	16*	9	13	11	10
	S.D.	5.4	4.7	4.4	4.3	7.1	5.8
14-15	N	60	50	50	50	60	40
	MEAN	7	6	9	11*	8	9
	S.D.	5.8	6.5	4.7	5.7	4.5	5.1

Table 8

Summary of Body Weight Change Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

SEX:		MALE					
GROUP:		1	2	3	4	5	6
DOSE:		0	0.5	2	5	20	20
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM
15-16	N	60	50	50	50	60	40
	MEAN	14	11*	11*	14	10*	8*
	S.D.	4.7	5.6	4.7	3.9	4.6	4.6
16-17	N	60	50	50	50	60	40
	MEAN	7	7	9	8	3*	4*
	S.D.	5.3	4.6	4.6	4.2	5.5	4.7
17-21	N	60	49	50	50	60	40
	MEAN	25	34*	30*	23	20	22
	S.D.	12.0	10.5	11.3	11.6	11.4	10.4
21-25	N	59	49	50	50	60	40
	MEAN	28	27	30	23	21*	22*
	S.D.	9.9	12.9	10.5	9.9	9.9	12.1
25-29	N	59	49	50	50	60	40
	MEAN	35	34	29*	28*	28*	30
	S.D.	13.0	13.5	10.3	9.6	11.7	7.7
29-33	N	59	49	50	50	60	40
	MEAN	26	29	25	20*	24	25
	S.D.	10.2	10.7	8.9	12.1	12.4	9.7
33-37	N	59	49	50	50	59	40
	MEAN	21	17	21	23	26	24
	S.D.	10.3	23.1	13.0	9.8	11.9	11.8

Table 8

Summary of Body Weight Change Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

SEX:		MALE					
GROUP:		1	2	3	4	5	6
DOSE:		0	0.5	2	5	20	20
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM
37-41	N	59	48	50	50	59	40
	MEAN	8	13	15*	15*	19*	13
	S.D.	12.5	11.9	10.6	14.2	11.7	11.4
41-45	N	59	48	50	50	59	40
	MEAN	16	19	19	19	13	16
	S.D.	19.8	10.2	8.6	12.4	14.1	10.9
45-49	N	58	48	50	50	58	40
	MEAN	20	24	19	17	21	24
	S.D.	15.6	8.9	9.7	12.9	13.8	9.6
49-53	N	58	48	50	48	57	40
	MEAN	13	11	13	12	14	15
	S.D.	15.9	15.0	8.9	28.3	13.2	10.3
53-57	N	48	47	48	47	47	39
	MEAN	10	12	9	7	13	22*
	S.D.	20.8	14.5	9.7	13.1	21.4	17.2
57-61	N	47	46	48	47	46	39
	MEAN	8	4	16	15	16	8
	S.D.	37.4	26.6	15.0	22.9	21.1	32.3
61-65	N	44	45	48	46	44	39
	MEAN	6	6	7	12	14	-2
	S.D.	25.5	18.3	18.7	23.9	9.3	60.5

Table 8

Summary of Body Weight Change Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

	SEX:	MALE					
	GROUP:	1	2	3	4	5	6
	DOSE:	0	0.5	2	5	20	20
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM
65-69	N	43	45	48	45	44	35
	MEAN	10	-4	1	10	7	3
	S.D.	21.8	41.6	37.2	19.4	25.4	43.2
69-73	N	41	44	47	44	43	31
	MEAN	6	-6	0	8	6*	19*
	S.D.	17.8	46.7	34.4	19.2	49.1	25.4
73-77	N	40	42	45	44	41	30
	MEAN	-14	-32*	-28*	-5	-7	-8
	S.D.	47.0	58.0	53.4	19.0	33.0	33.8
77-81	N	31	37	39	40	38	29
	MEAN	-8	-18	-10	-2	-8	-3
	S.D.	34.0	43.3	40.2	31.0	32.9	45.3
81-85	N	27	32	36	37	37	25
	MEAN	-1	-24	-14	-13	5	-15
	S.D.	30.9	62.6	52.7	45.0	32.6	36.3
85-89	N	25	26	31	36	35	24
	MEAN	-23	-14	-3*	-17*	3*	-21
	S.D.	46.0	48.6	29.5	59.8	23.6	39.0
89-93	N	22	22	29	27	35	21
	MEAN	-1	-1	-7	15	3	-2
	S.D.	26.4	30.2	43.7	13.3	48.7	52.7

Table 8

Summary of Body Weight Change Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

	SEX:	MALE					
	GROUP:	1	2	3	4	5	6
	DOSE:	0	0.5	2	5	20	20
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM
93-97	N	19	19	23	27	32	18
	MEAN	-28	-33	-10	-6	-17	-31
	S.D.	58.1	51.8	42.4	31.1	55.1	71.1
97-101	N	15	17	19	26	27	14
	MEAN	-29	-55	-6	-10	-13	-32
	S.D.	47.9	85.0	41.4	32.7	52.5	42.4
101-105	N	11	11	17	25	23	11
	MEAN	-21	-30	-23	-33	-21	-39
	S.D.	44.8	68.4	44.5	64.6	41.4	64.3
1-15	N	60	50	50	50	60	40
	MEAN	356	364	352	356	334*	332*
	S.D.	45.5	46.3	44.0	42.0	44.0	47.7
15-29	N	59	49	50	50	60	40
	MEAN	109	112	109	97	82*	86*
	S.D.	31.4	25.5	24.8	23.5	30.8	23.9
29-57	N	48	47	48	47	47	39
	MEAN	114	128	120	119	131	138
	S.D.	53.7	42.5	32.0	57.5	62.9	55.2
57-105	N	11	11	17	25	23	11
	MEAN	13	2	70	39	70	9
	S.D.	123.1	170.9	80.5	100.6	106.5	116.3
1-105	N	11	11	17	25	23	11
	MEAN	562	560	631	588	580	546
	S.D.	157.0	160.7	128.1	128.3	137.6	147.3

Table 8

Summary of Body Weight Change Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

SEX:		FEMALE					
GROUP:		1	2	3	4	5	6
DOSE:		0	0.5	2	5	20	20
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM
1-2	N	70	60	60	60	70	40
	MEAN	29	26*	21*	26*	25*	23*
	S.D.	6.7	7.5	6.9	6.3	7.2	6.1
2-3	N	70	60	60	60	70	40
	MEAN	24	24	23	24	22	20*
	S.D.	7.0	6.6	6.3	6.5	7.0	7.4
3-4	N	70	60	60	60	70	40
	MEAN	17	18	18	14	16	16
	S.D.	7.8	7.0	6.9	7.3	7.6	8.2
4-5	N	65	55	55	55	65	40
	MEAN	14	14	15	15	9*	13
	S.D.	7.2	7.9	8.2	7.8	7.4	7.2
5-6	N	65	55	55	55	65	40
	MEAN	11	14	13	12	9	8*
	S.D.	6.5	6.3	5.4	6.9	5.7	5.8
6-7	N	65	55	55	55	65	40
	MEAN	6	6	6	6	3*	5
	S.D.	5.8	7.4	5.9	7.3	5.0	6.0
7-8	N	65	55	55	55	65	40
	MEAN	13	12	11	13	11	10
	S.D.	6.8	5.0	7.4	6.0	4.9	5.1

Table 8

Summary of Body Weight Change Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

	SEX:	FEMALE					
	GROUP:	1	2	3	4	5	6
	DOSE:	0	0.5	2	5	20	20
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM
8-9	N	65	55	55	55	65	40
	MEAN	2	4	2	1	-2*	-3*
	S.D.	6.0	6.2	4.9	6.2	4.6	4.6
9-10	N	65	55	54	55	65	40
	MEAN	11	10	8*	11	8*	7*
	S.D.	6.3	6.8	5.8	6.8	6.6	5.5
10-11	N	65	55	54	55	65	40
	MEAN	2	8*	6*	2	5*	0
	S.D.	5.1	5.7	5.8	5.7	5.6	4.9
11-12	N	65	55	54	55	65	40
	MEAN	9	1*	1*	2*	-1*	4*
	S.D.	6.3	6.6	5.7	6.0	5.8	4.6
12-13	N	65	55	54	55	65	40
	MEAN	5	4	7	6	3	3
	S.D.	7.0	5.3	5.9	4.8	5.3	5.0
13-14	N	65	55	54	55	65	40
	MEAN	5	7	8*	7	4	5
	S.D.	7.0	5.3	5.1	5.5	5.1	4.3
14-15	N	60	50	49	50	60	40
	MEAN	4	3	2	4	1	2
	S.D.	5.8	6.5	6.0	6.4	5.4	3.8

Table 8

Summary of Body Weight Change Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

SEX:		FEMALE					
GROUP:		1	2	3	4	5	6
DOSE:		0	0.5	2	5	20	20
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM
15-16	N	60	50	49	50	60	40
	MEAN	4	6	4	5	3	3
	S.D.	4.4	5.3	5.7	5.6	5.3	4.1
16-17	N	60	50	49	50	60	40
	MEAN	0	1	4*	3	4*	2
	S.D.	6.5	4.8	7.0	6.2	4.5	5.1
17-21	N	60	50	49	50	60	40
	MEAN	9	11	11	7	8	7
	S.D.	8.1	6.7	10.6	8.9	6.6	6.9
21-25	N	60	50	49	50	60	40
	MEAN	15	13	10*	16	9*	11
	S.D.	9.2	9.9	11.3	9.3	9.0	5.5
25-29	N	60	50	49	50	60	40
	MEAN	12	12	15	14	9	9
	S.D.	7.8	9.8	11.9	9.9	8.0	7.6
29-33	N	60	50	49	49	60	40
	MEAN	16	15	18	13	12	12
	S.D.	10.8	13.1	13.8	10.0	9.7	9.6
33-37	N	60	49	49	49	60	40
	MEAN	15	15	14	12	9*	9
	S.D.	12.9	12.2	9.9	9.9	8.2	10.5

Table 8

Summary of Body Weight Change Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

SEX:		FEMALE					
GROUP:		1	2	3	4	5	6
DOSE:		0	0.5	2	5	20	20
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM
37-41	N	60	49	49	49	59	40
	MEAN	16	18	14	13	10*	8*
	S.D.	10.5	13.7	18.0	8.9	9.3	16.7
41-45	N	60	48	49	49	59	39
	MEAN	19	18	11	17	11*	14*
	S.D.	9.8	13.0	33.2	12.4	7.5	10.1
45-49	N	60	48	47	49	59	39
	MEAN	13	11	13	13	12	10
	S.D.	16.3	9.0	8.8	11.6	9.3	8.9
49-53	N	60	47	47	48	59	39
	MEAN	5	11*	13*	14*	7	10
	S.D.	20.8	10.6	11.1	10.4	10.5	7.3
53-57	N	50	47	47	48	48	39
	MEAN	18	16	19	21	14	27*
	S.D.	13.4	17.4	17.8	11.3	13.2	12.9
57-61	N	48	47	47	48	47	39
	MEAN	17	12	16	15	9*	26*
	S.D.	10.5	14.8	18.6	12.4	13.4	11.0
61-65	N	47	46	46	48	46	39
	MEAN	8	9	4	-1	5	14
	S.D.	9.6	25.2	26.2	21.3	19.5	19.3

Table 8

Summary of Body Weight Change Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

	SEX:	FEMALE					
	GROUP:	1	2	3	4	5	6
	DOSE:	0	0.5	2	5	20	20
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM
65-69	N	47	43	42	47	44	38
	MEAN	14	14	13	15	14	24*
	S.D.	12.8	19.0	23.7	19.9	9.6	9.0
69-73	N	45	39	39	45	44	37
	MEAN	9	10	7	0	2	20*
	S.D.	20.2	14.3	30.1	27.8	27.0	10.0
73-77	N	44	39	37	44	42	35
	MEAN	3	11	1	-5	2	10
	S.D.	23.1	14.5	29.6	35.7	22.7	15.3
77-81	N	41	39	35	39	40	35
	MEAN	13	7	-10	2	5	4
	S.D.	41.8	33.6	37.5	25.8	21.2	24.7
81-85	N	37	37	26	37	40	32
	MEAN	3	3	-7	3	6	8
	S.D.	19.0	31.3	31.3	23.4	16.6	33.6
85-89	N	32	34	23	37	38	29
	MEAN	3	8	-8	3	4	9
	S.D.	31.4	40.5	39.0	27.6	17.1	22.5
89-93	N	31	29	16	33	33	23
	MEAN	-12	-12	-1	5	5	14*
	S.D.	41.6	35.3	30.5	27.5	23.5	19.4

Table 8

Summary of Body Weight Change Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

	SEX:	FEMALE					
	GROUP:	1	2	3	4	5	6
	DOSE:	0	0.5	2	5	20	20
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM
93-97	N	26	25	14	25	30	22
	MEAN	-1	-14	0	2	10	4
	S.D.	21.1	45.6	26.6	38.8	23.9	37.5
97-101	N	26	19	12	19	27	21
	MEAN	4	-23	-6	-7	0	-15
	S.D.	30.5	48.2	20.9	19.8	22.4	47.9
101-105	N	24	15	0	17	26	19
	MEAN	-16	-26		-11	-4	-5
	S.D.	27.6	57.1		44.1	45.3	39.9
1-15	N	60	50	49	50	60	40
	MEAN	149	151	140	144	114*	114*
	S.D.	35.2	30.8	20.5	28.2	18.6	17.8
15-29	N	50	47	47	48	48	39
	MEAN	100	107	111	102	74	92
	S.D.	56.5	42.7	48.4	30.7	30.8	36.0
29-57	N	60	50	49	50	60	40
	MEAN	38	43	44	44	33*	32
	S.D.	16.2	20.3	18.6	20.2	13.7	16.5
57-105	N	24	15	0	17	26	19
	MEAN	84	81		98	83	162*
	S.D.	62.7	102.9		66.9	85.2	117.8
1-105	N	24	15	0	17	26	19
	MEAN	363	372		366	295	386
	S.D.	103.9	114.7		82.4	100.8	133.9

Table 9

Summary of Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

	SEX:	MALE					
	GROUP:	1	2	3	4	5	6
	DOSE:	0	0.5	2	5	20	20
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM
1	N	69	56	60	59	69	39
	MEAN	167	165	165	164	158*	166
	S.D.	13.3	11.5	14.1	13.2	11.6	14.2
2	N	62	54	58	54	69	37
	MEAN	177	173	173	172	167*	172
	S.D.	13.9	12.9	13.9	13.4	13.8	17.2
3	N	68	52	56	57	70	38
	MEAN	184	183	181	182	178	181
	S.D.	12.9	13.0	14.1	13.4	15.2	16.0
4	N	60	47	49	48	62	38
	MEAN	191	188	184	177*	176*	184
	S.D.	16.5	13.7	19.3	15.0	14.7	17.4
5	N	62	50	50	49	64	40
	MEAN	191	193	186	185	183*	187
	S.D.	16.1	16.1	16.7	16.3	15.6	18.7
6	N	56	43	46	49	65	38
	MEAN	192	191	187	186	181*	185
	S.D.	15.1	17.3	15.9	16.4	15.9	17.6
7	N	59	42	47	45	60	37
	MEAN	193	195	183*	187	183*	184
	S.D.	15.6	18.3	18.8	17.2	15.4	19.9

Table 9

Summary of Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

	SEX:	MALE					
	GROUP:	1	2	3	4	5	6
	DOSE:	0	0.5	2	5	20	20
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM
8	N	54	45	47	43	60	34
	MEAN	189	193	188	185	178*	181
	S.D.	19.2	17.9	17.7	15.3	18.0	19.7
9	N	59	47	51	46	60	32
	MEAN	190	190	183	190	175*	182
	S.D.	18.0	16.9	17.4	15.5	17.0	17.8
10	N	59	48	46	48	59	38
	MEAN	188	189	188	183	177*	185
	S.D.	18.0	17.6	17.2	15.6	15.1	19.1
11	N	60	46	48	45	59	38
	MEAN	188	189	183	185	179*	182
	S.D.	16.8	18.3	17.7	15.7	17.8	18.9
12	N	57	51	52	49	61	39
	MEAN	189	189	184	185	180	178*
	S.D.	20.1	18.5	20.5	16.7	21.1	18.6
13	N	60	52	54	52	63	37
	MEAN	185	187	187	185	180	178
	S.D.	19.2	17.4	16.8	18.8	19.6	21.0
14	N	59	49	48	45	57	38
	MEAN	184	186	188	182	178	184
	S.D.	17.4	19.0	18.9	17.0	16.0	20.8

Table 9

Summary of Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

	SEX:	MALE					
	GROUP:	1	2	3	4	5	6
	DOSE:	0	0.5	2	5	20	20
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM
15	N	58	47	47	45	56	40
	MEAN	190	188	191	187	182	185
	S.D.	16.7	18.8	16.0	14.7	17.1	18.7
16	N	57	49	48	49	59	38
	MEAN	190	191	192	191	183	183
	S.D.	16.5	17.3	14.0	19.5	17.6	18.6
20	N	58	46	49	47	57	38
	MEAN	192	195	194	188	184	184
	S.D.	19.7	17.9	16.1	20.9	18.3	21.3
24	N	58	48	49	50	60	39
	MEAN	184	188	192	184	178	178
	S.D.	20.1	20.1	18.6	20.2	20.3	21.5
28	N	56	46	48	46	59	36
	MEAN	183	185	185	181	180	180
	S.D.	20.4	15.6	17.5	16.3	18.7	17.8
32	N	58	45	48	47	59	35
	MEAN	177	184	184	182	182	179
	S.D.	16.8	14.4	15.3	17.4	19.3	18.7
36	N	59	48	50	50	58	39
	MEAN	183	181	181	183	183	181
	S.D.	17.9	28.3	16.6	19.9	21.1	23.0

Table 9

Summary of Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

SEX:		MALE					
GROUP:		1	2	3	4	5	6
DOSE:		0	0.5	2	5	20	20
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM
40	N	58	46	48	48	58	39
	MEAN	184	184	186	187	187	182
	S.D.	19.1	19.1	16.2	20.3	22.5	22.7
44	N	58	48	49	47	55	39
	MEAN	182	188	185	186	184	188
	S.D.	24.9	21.0	14.7	20.0	20.7	23.9
48	N	57	48	48	47	55	37
	MEAN	184	191	186	185	184	185
	S.D.	20.2	18.5	18.8	18.3	20.8	18.3
52	N	54	46	48	44	54	37
	MEAN	176	185	186	181	178	179
	S.D.	27.6	17.8	17.3	27.5	22.4	20.9
56	N	45	43	44	44	46	35
	MEAN	189	196	195	193	190	190
	S.D.	27.2	18.8	16.5	20.4	32.0	22.1
60	N	45	46	45	44	44	37
	MEAN	185	194	197	198	200	194
	S.D.	39.2	29.6	20.3	28.9	25.1	32.0
64	N	44	42	44	43	42	35
	MEAN	190	192	193	189	197	174
	S.D.	29.6	15.6	20.8	22.2	23.2	46.6

Table 9

Summary of Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

	SEX:	MALE					
	GROUP:	1	2	3	4	5	6
	DOSE:	0	0.5	2	5	20	20
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM
68	N	43	43	46	42	43	29
	MEAN	195	187	194	201	199	186
	S.D.	25.8	41.2	33.0	37.8	26.7	38.9
72	N	40	43	45	43	43	31
	MEAN	196	180	192	197	193	198
	S.D.	25.4	43.4	30.1	24.5	43.7	32.1
76	N	38	41	43	38	38	30
	MEAN	176	170	176	193	190	188
	S.D.	42.9	47.5	52.1	26.4	33.7	39.1
80	N	31	36	36	37	37	28
	MEAN	183	168	187	191	189	185
	S.D.	45.0	35.9	35.0	20.3	35.0	37.4
84	N	27	31	32	36	34	24
	MEAN	188	172	183	186	196	187
	S.D.	30.1	43.5	48.9	33.9	34.3	35.3
88	N	25	24	29	34	35	22
	MEAN	184	175	189	169	199	190
	S.D.	43.4	43.8	29.6	64.4	26.8	29.5
92	N	21	21	26	24	34	18
	MEAN	186	184	185	198	185	180
	S.D.	23.3	26.0	36.7	16.0	42.8	42.6

Table 9

Summary of Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

	SEX:	MALE					
	GROUP:	1	2	3	4	5	6
	DOSE:	0	0.5	2	5	20	20
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM
96	N	17	19	21	25	30	15
	MEAN	177	167	186	194	183	158
	S.D.	51.1	35.7	47.0	20.1	46.0	48.7
100	N	14	14	17	24	27	11
	MEAN	175	166	197	188	188	170
	S.D.	53.4	46.8	34.1	29.7	37.0	43.4
104	N	10	10	14	23	22	10
	MEAN	167	158	185	169	173	155
	S.D.	30.1	59.5	45.0	53.6	50.1	53.1

Table 9

Summary of Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

SEX:		FEMALE					
GROUP:		1	2	3	4	5	6
DOSE:		0	0.5	2	5	20	20
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM
1	N	55	55	48	55	62	35
	MEAN	129	120*	123	130	124	125
	S.D.	11.9	12.0	14.3	13.5	11.2	12.4
2	N	62	48	51	47	62	34
	MEAN	140	133	131*	136	130*	126*
	S.D.	16.9	16.5	17.8	19.6	13.8	12.7
3	N	54	49	51	55	57	33
	MEAN	144	142	140	141	131*	129*
	S.D.	16.8	17.0	17.6	14.9	14.7	13.3
4	N	47	44	41	45	58	33
	MEAN	140	137	142	138	126*	128*
	S.D.	15.9	17.5	20.1	18.3	12.5	14.0
5	N	50	48	43	45	55	33
	MEAN	146	146	144	144	135*	130*
	S.D.	18.5	17.6	14.2	19.3	14.0	11.4
6	N	45	40	35	42	55	31
	MEAN	138	142	137	134	124*	124*
	S.D.	18.6	23.3	20.3	17.3	11.4	13.1
7	N	54	49	45	46	53	36
	MEAN	138	142	133	136	126*	123*
	S.D.	17.0	17.1	12.2	16.3	10.7	12.0

Table 9

Summary of Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

	SEX:	FEMALE					
	GROUP:	1	2	3	4	5	6
	DOSE:	0	0.5	2	5	20	20
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM
8	N	46	38	43	42	54	31
	MEAN	138	138	136	135	123*	121*
	S.D.	18.5	15.9	11.3	15.5	14.7	12.6
9	N	55	48	41	46	56	36
	MEAN	140	135	132	134	122*	125*
	S.D.	18.8	15.2	17.0	17.3	12.6	17.5
10	N	53	45	39	45	53	34
	MEAN	141	135	134	135	124*	125*
	S.D.	18.2	16.0	11.0	13.8	10.0	14.4
11	N	56	52	46	48	55	38
	MEAN	138	134	133	134	122*	125*
	S.D.	21.7	15.5	13.4	16.0	10.2	14.8
12	N	52	43	39	48	58	35
	MEAN	138	133	137	136	127*	123*
	S.D.	20.1	15.7	17.6	21.5	18.8	11.7
13	N	56	46	47	49	59	35
	MEAN	133	135	131	131	122*	125
	S.D.	17.7	17.7	13.1	20.1	18.4	16.8
14	N	53	40	37	40	54	32
	MEAN	131	129	133	125	119*	122*
	S.D.	20.4	18.0	13.4	11.3	11.3	8.5

Table 9

Summary of Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

SEX:		FEMALE					
GROUP:		1	2	3	4	5	6
DOSE:		0	0.5	2	5	20	20
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM
15	N	53	49	43	45	57	39
	MEAN	133	134	135	133	124*	125
	S.D.	17.1	15.9	14.9	16.2	13.6	17.7
16	N	54	44	41	45	56	34
	MEAN	133	135	136	133	124*	124
	S.D.	19.4	18.1	15.3	15.6	12.2	15.0
20	N	50	46	42	44	49	28
	MEAN	139	134	136	138	128*	131
	S.D.	19.0	16.0	16.2	18.8	12.8	14.2
24	N	53	44	44	47	54	32
	MEAN	134	132	136	132	123*	122*
	S.D.	18.9	18.7	17.6	20.0	14.0	13.3
28	N	56	48	45	48	56	40
	MEAN	132	133	141	132	122*	121*
	S.D.	15.7	24.7	20.5	18.7	20.4	18.9
32	N	58	47	45	45	58	40
	MEAN	136	134	139	134	124*	127
	S.D.	18.4	26.5	15.5	17.9	17.4	17.7
36	N	55	49	46	47	58	39
	MEAN	135	135	137	133	124*	123*
	S.D.	17.9	20.9	15.3	17.8	16.1	14.9

Table 9

Summary of Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

	SEX:	FEMALE					
	GROUP:	1	2	3	4	5	6
	DOSE:	0	0.5	2	5	20	20
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM
40	N	56	44	48	47	56	38
	MEAN	139	139	142	138	135	130
	S.D.	20.3	15.6	20.6	17.6	20.7	14.7
44	N	56	45	45	47	53	38
	MEAN	137	134	137	134	126*	128
	S.D.	17.8	19.3	18.6	20.7	17.1	15.9
48	N	58	48	47	47	57	38
	MEAN	134	133	142	141	133	130
	S.D.	23.6	19.5	16.6	17.8	20.0	13.3
52	N	57	45	46	45	57	38
	MEAN	133	134	141	139	133	133
	S.D.	24.0	20.5	19.8	22.2	21.9	14.0
56	N	47	47	46	47	47	35
	MEAN	147	143	145	146	133*	142
	S.D.	19.4	25.6	20.5	21.3	22.4	18.5
60	N	47	47	46	48	44	37
	MEAN	146	137	146	142	131*	145
	S.D.	19.1	23.2	28.2	22.3	19.2	16.3
64	N	46	44	44	44	40	37
	MEAN	146	145	139	141	143	144
	S.D.	19.4	22.5	34.3	23.3	39.1	22.5

Table 9

Summary of Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

	SEX:	FEMALE					
	GROUP:	1	2	3	4	5	6
	DOSE:	0	0.5	2	5	20	20
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM
68	N	47	43	39	46	42	37
	MEAN	151	150	149	149	143	158
	S.D.	20.2	25.5	28.6	23.1	21.4	15.9
72	N	44	38	35	42	41	35
	MEAN	143	146	146	141	133	152
	S.D.	25.4	21.7	25.9	29.3	32.4	16.1
76	N	44	39	35	42	40	35
	MEAN	141	152	146	133	136	150
	S.D.	29.4	22.0	29.9	41.4	27.2	18.9
80	N	41	37	33	38	39	35
	MEAN	147	148	128	144	147	145
	S.D.	26.0	34.9	46.9	29.3	26.2	25.8
84	N	37	35	26	36	37	31
	MEAN	147	150	141	148	147	152
	S.D.	26.0	31.7	34.0	26.5	27.1	28.7
88	N	30	34	22	36	35	26
	MEAN	142	144	132	144	145	149
	S.D.	25.6	38.4	40.7	24.3	21.4	27.5
92	N	26	26	15	31	32	21
	MEAN	140	139	148	136	138	156
	S.D.	29.1	35.0	38.5	32.4	26.5	18.4

Table 9

Summary of Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

	SEX:	FEMALE					
	GROUP:	1	2	3	4	5	6
	DOSE:	0	0.5	2	5	20	20
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM
96	N	26	22	13	23	28	17
	MEAN	143	131	145	135	141	141
	S.D.	24.3	40.9	36.7	43.8	29.6	40.2
100	N	24	17	12	16	25	20
	MEAN	137	115	148	141	139	135
	S.D.	30.1	48.8	33.9	28.5	32.5	41.4
104	N	24	10	0	17	23	18
	MEAN	128	118		145	133	141
	S.D.	37.6	40.5		48.4	39.9	40.5

Table 10

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

	SEX:	MALE					FEMALE				
	GROUP:	2	3	4	5	6	2	3	4	5	6
	DOSE:	0.5	2	5	20	20	0.5	2	5	20	20
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
1	N	56	60	59	69	39	55	48	55	62	35
	MEAN	0.057	0.226	0.570	2.205	2.336	0.052	0.213	0.559	2.149	2.160
	S.D.	0.004	0.015	0.041	0.156	0.170	0.004	0.020	0.046	0.141	0.178
2	N	54	58	54	69	37	48	51	47	62	34
	MEAN	0.047	0.189	0.471	1.846	1.907	0.050	0.200	0.506	1.965	1.929
	S.D.	0.003	0.012	0.031	0.115	0.118	0.005	0.019	0.055	0.162	0.164
3	N	52	56	57	70	38	49	51	55	57	33
	MEAN	0.042	0.169	0.420	1.675	1.701	0.048	0.194	0.481	1.805	1.792
	S.D.	0.002	0.010	0.026	0.097	0.097	0.003	0.026	0.038	0.157	0.126
4	N	47	49	48	62	38	44	41	45	58	33
	MEAN	0.038	0.151	0.364	1.477	1.531	0.043	0.180	0.440	1.646	1.656
	S.D.	0.002	0.011	0.020	0.081	0.086	0.003	0.018	0.049	0.121	0.142
5	N	50	50	49	64	40	48	43	45	55	33
	MEAN	0.036	0.139	0.346	1.394	1.408	0.043	0.170	0.431	1.669	1.613
	S.D.	0.002	0.007	0.019	0.072	0.073	0.003	0.011	0.036	0.137	0.113
6	N	43	46	49	65	38	40	35	42	55	31
	MEAN	0.033	0.132	0.325	1.287	1.307	0.040	0.157	0.390	1.502	1.488
	S.D.	0.002	0.007	0.017	0.065	0.068	0.005	0.019	0.034	0.106	0.107
7	N	42	47	45	60	37	49	45	46	53	36
	MEAN	0.032	0.122	0.311	1.241	1.233	0.038	0.148	0.382	1.501	1.446
	S.D.	0.002	0.010	0.016	0.061	0.078	0.003	0.010	0.028	0.112	0.089

Table 10

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

	SEX:	MALE					FEMALE				
	GROUP:	2	3	4	5	6	2	3	4	5	6
	DOSE:	0.5	2	5	20	20	0.5	2	5	20	20
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
8	N	45	47	43	60	34	38	43	42	54	31
	MEAN	0.030	0.121	0.293	1.161	1.178	0.036	0.148	0.368	1.438	1.392
	S.D.	0.002	0.007	0.012	0.093	0.106	0.002	0.011	0.030	0.133	0.099
9	N	47	51	46	60	32	48	41	46	56	36
	MEAN	0.029	0.113	0.288	1.108	1.135	0.035	0.143	0.355	1.407	1.422
	S.D.	0.001	0.006	0.016	0.076	0.063	0.002	0.023	0.027	0.120	0.202
10	N	48	46	48	59	38	45	39	45	53	34
	MEAN	0.028	0.113	0.270	1.074	1.130	0.033	0.138	0.355	1.393	1.407
	S.D.	0.002	0.006	0.017	0.060	0.080	0.002	0.010	0.033	0.101	0.111
11	N	46	48	45	59	38	52	46	48	55	38
	MEAN	0.027	0.108	0.266	1.056	1.086	0.033	0.136	0.346	1.361	1.393
	S.D.	0.002	0.007	0.014	0.060	0.071	0.003	0.011	0.029	0.101	0.120
12	N	51	52	49	61	39	43	39	48	58	35
	MEAN	0.026	0.106	0.262	1.055	1.050	0.032	0.137	0.344	1.406	1.363
	S.D.	0.002	0.009	0.016	0.101	0.075	0.003	0.015	0.040	0.193	0.126
13	N	52	54	52	63	37	46	47	49	59	35
	MEAN	0.025	0.105	0.256	1.029	1.024	0.032	0.129	0.324	1.330	1.355
	S.D.	0.002	0.006	0.017	0.093	0.080	0.003	0.011	0.026	0.194	0.130
14	N	49	48	45	57	38	40	37	40	54	32
	MEAN	0.025	0.102	0.248	1.007	1.043	0.030	0.130	0.310	1.289	1.313
	S.D.	0.002	0.007	0.018	0.073	0.104	0.004	0.012	0.031	0.118	0.101

Table 10

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

	SEX:	MALE					FEMALE				
	GROUP:	2	3	4	5	6	2	3	4	5	6
	DOSE:	0.5	2	5	20	20	0.5	2	5	20	20
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
15	N	47	47	45	56	40	49	43	45	57	39
	MEAN	0.025	0.102	0.250	1.010	1.032	0.031	0.129	0.318	1.330	1.333
	S.D.	0.002	0.006	0.013	0.074	0.069	0.004	0.011	0.023	0.121	0.160
16	N	49	48	49	59	38	44	41	45	56	34
	MEAN	0.025	0.100	0.247	1.006	1.010	0.031	0.129	0.315	1.315	1.302
	S.D.	0.002	0.006	0.017	0.084	0.067	0.004	0.016	0.027	0.113	0.132
20	N	46	49	47	57	38	46	42	44	49	28
	MEAN	0.024	0.096	0.234	0.969	0.970	0.030	0.124	0.316	1.305	1.345
	S.D.	0.001	0.007	0.020	0.065	0.073	0.003	0.012	0.029	0.104	0.105
24	N	48	49	50	60	39	44	44	47	54	32
	MEAN	0.022	0.090	0.219	0.904	0.904	0.028	0.120	0.288	1.218	1.200
	S.D.	0.002	0.007	0.018	0.070	0.084	0.004	0.015	0.024	0.110	0.098
28	N	46	48	46	59	36	48	45	48	56	40
	MEAN	0.021	0.083	0.206	0.875	0.872	0.028	0.121	0.279	1.181	1.157
	S.D.	0.002	0.006	0.016	0.082	0.069	0.005	0.022	0.025	0.164	0.174
32	N	45	48	47	59	35	47	45	45	58	40
	MEAN	0.019	0.080	0.199	0.850	0.837	0.027	0.112	0.273	1.152	1.170
	S.D.	0.001	0.006	0.012	0.083	0.059	0.006	0.013	0.028	0.111	0.155
36	N	48	50	50	58	39	49	46	47	58	39
	MEAN	0.019	0.076	0.195	0.817	0.805	0.026	0.106	0.261	1.111	1.103
	S.D.	0.003	0.008	0.021	0.084	0.046	0.003	0.012	0.023	0.099	0.080

Table 10

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

	SEX:	MALE					FEMALE				
	GROUP:	2	3	4	5	6	2	3	4	5	6
	DOSE:	0.5	2	5	20	20	0.5	2	5	20	20
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
40	N	46	48	48	58	39	44	48	47	56	38
	MEAN	0.018	0.076	0.196	0.812	0.794	0.025	0.106	0.263	1.179	1.122
	S.D.	0.002	0.005	0.020	0.090	0.052	0.003	0.014	0.025	0.132	0.092
44	N	48	49	47	55	39	45	45	47	53	38
	MEAN	0.018	0.074	0.188	0.786	0.801	0.024	0.098	0.244	1.069	1.065
	S.D.	0.002	0.006	0.017	0.069	0.055	0.003	0.012	0.027	0.112	0.128
48	N	48	48	47	55	37	48	47	47	57	38
	MEAN	0.018	0.072	0.184	0.765	0.780	0.023	0.099	0.247	1.100	1.054
	S.D.	0.002	0.007	0.017	0.080	0.049	0.003	0.013	0.020	0.137	0.119
52	N	46	48	44	54	37	45	46	45	57	38
	MEAN	0.017	0.071	0.174	0.714	0.732	0.022	0.095	0.237	1.070	1.047
	S.D.	0.002	0.006	0.025	0.082	0.053	0.003	0.012	0.028	0.125	0.097
56	N	43	44	44	46	35	47	46	47	47	35
	MEAN	0.018	0.073	0.183	0.750	0.000	0.023	0.095	0.238	1.036	0.000
	S.D.	0.001	0.007	0.016	0.099	0.000	0.004	0.014	0.029	0.127	0.000
60	N	46	45	44	44	37	47	46	48	44	37
	MEAN	0.018	0.073	0.183	0.783	0.000	0.021	0.090	0.223	0.994	0.000
	S.D.	0.003	0.008	0.025	0.076	0.000	0.003	0.017	0.026	0.123	0.000
64	N	42	44	43	42	35	44	44	44	40	37
	MEAN	0.017	0.071	0.173	0.740	0.000	0.022	0.085	0.222	1.094	0.000
	S.D.	0.002	0.010	0.017	0.071	0.000	0.003	0.018	0.031	0.403	0.000

Table 10

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

	SEX:	MALE					FEMALE				
	GROUP:	2	3	4	5	6	2	3	4	5	6
	DOSE:	0.5	2	5	20	20	0.5	2	5	20	20
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
68	N	43	46	42	43	29	43	39	46	42	37
	MEAN	0.017	0.071	0.186	0.755	0.000	0.022	0.087	0.227	1.054	0.000
	S.D.	0.004	0.012	0.056	0.113	0.000	0.003	0.015	0.030	0.142	0.000
72	N	43	45	43	43	31	38	35	42	41	35
	MEAN	0.016	0.070	0.175	0.708	0.000	0.021	0.084	0.209	0.957	0.000
	S.D.	0.004	0.010	0.019	0.146	0.000	0.002	0.014	0.027	0.205	0.000
76	N	41	43	38	38	30	39	35	42	40	35
	MEAN	0.015	0.064	0.173	0.700	0.000	0.021	0.082	0.197	0.971	0.000
	S.D.	0.004	0.017	0.018	0.120	0.000	0.003	0.013	0.052	0.148	0.000
80	N	36	36	37	37	28	37	33	38	39	35
	MEAN	0.016	0.068	0.171	0.700	0.000	0.020	0.073	0.212	1.019	0.000
	S.D.	0.003	0.011	0.021	0.139	0.000	0.004	0.023	0.034	0.187	0.000
84	N	31	32	36	34	24	35	26	36	37	31
	MEAN	0.016	0.065	0.171	0.711	0.000	0.020	0.078	0.216	1.001	0.000
	S.D.	0.004	0.017	0.027	0.109	0.000	0.004	0.016	0.029	0.132	0.000
88	N	24	29	34	35	22	34	22	36	35	26
	MEAN	0.016	0.068	0.154	0.724	0.000	0.019	0.073	0.208	0.984	0.000
	S.D.	0.003	0.007	0.055	0.099	0.000	0.004	0.022	0.032	0.165	0.000
92	N	21	26	24	34	18	26	15	31	32	21
	MEAN	0.017	0.065	0.171	0.676	0.000	0.018	0.075	0.191	0.912	0.000
	S.D.	0.002	0.011	0.018	0.174	0.000	0.004	0.015	0.041	0.148	0.000

Table 10

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

	SEX:	MALE					FEMALE				
	GROUP:	2	3	4	5	6	2	3	4	5	6
	DOSE:	0.5	2	5	20	20	0.5	2	5	20	20
WEEK	UNITS:	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
96	N	19	21	25	30	15	22	13	23	28	17
	MEAN	0.016	0.068	0.171	0.685	0.000	0.017	0.075	0.186	0.906	0.000
	S.D.	0.003	0.014	0.022	0.170	0.000	0.005	0.021	0.049	0.162	0.000
100	N	14	17	24	27	11	17	12	16	25	20
	MEAN	0.016	0.069	0.165	0.708	0.000	0.015	0.077	0.190	0.876	0.000
	S.D.	0.004	0.011	0.026	0.156	0.000	0.006	0.019	0.026	0.193	0.000
104	N	10	14	23	22	10	10	0	17	23	18
	MEAN	0.015	0.068	0.153	0.643	0.000	0.017		0.195	0.838	0.000
	S.D.	0.005	0.020	0.041	0.162	0.000	0.005		0.056	0.247	0.000

Table 11

Summary of Clinical Hematology Data

Males Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
0								
	MEAN	7.47	15.2	44.8	60.0	20.3	33.9	1048
	S.D.	.459	.81	2.35	1.56	.73	.59	107.7
	N	10	10	10	10	10	10	10
0.5								
	MEAN	7.22	14.7	43.4	60.2	20.4	33.9	1082
	S.D.	.414	.77	2.43	1.69	.67	.36	111.4
	N	10	10	10	10	10	10	10
2.0								
	MEAN	7.54	15.3	45.1	59.9	20.4	34.0	1028
	S.D.	.599	1.09	3.39	1.65	.85	.61	68.7
	N	10	10	10	10	10	10	10
5.0								
	MEAN	7.43	15.4	45.0	60.7	20.7	34.1	1013
	S.D.	.622	1.04	3.32	1.97	.68	.41	118.6
	N	10	10	10	10	10	10	10
20.0								
	MEAN	7.30	15.0	44.2	60.6	20.6	33.9	1051
	S.D.	.234	.44	1.56	1.40	.45	.37	118.1
	N	10	10	10	10	10	10	10

Table 11

Summary of Clinical Hematology Data

Males Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
0												
	MEAN	8.6	.7	7.2	.6	.1	.0	9	83	7	1	0
	S.D.	2.03	.30	1.92	.16	.06	.00	3.5	5.3	2.2	.5	.0
	N	10	10	10	10	10	10	10	10	10	10	10
0.5												
	MEAN	9.3	1.2	7.4	.6	.1	.0	12	82	6	1	0
	S.D.	2.54	1.32	1.29	.31	.06	.00	7.6	9.1	2.5	.3	.0
	N	10	10	10	10	10	10	10	10	10	10	10
2.0												
	MEAN	9.3	.7	8.0	.6	.1	.0	7	86	6	1	0
	S.D.	2.30	.23	1.94	.26	.06	.00	1.4	3.4	2.3	.5	.0
	N	10	10	10	10	10	10	10	10	10	10	10
5.0												
	MEAN	7.2	.6	6.1	.4	.1	.0	8	85	6	2	0
	S.D.	1.15	.21	.99	.24	.15	.00	2.3	6.5	2.9	2.0	.0
	N	10	10	10	10	10	10	10	10	10	10	10
20.0												
	MEAN	8.4	.8	6.8	.6	.1	.0	10	83	6	1	0
	S.D.	2.87	.46	2.19	.38	.07	.00	2.8	4.8	2.4	.4	.0
	N	10	10	10	10	10	10	10	10	10	10	10

Table 11

Summary of Clinical Hematology Data

Females Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
0								
	MEAN	7.28	15.2	45.1	62.0	20.8	33.7	1103
	S.D.	.276	.45	1.20	1.80	.63	.41	109.6
	N	10	10	10	10	10	10	10
0.5								
	MEAN	7.40	15.3	45.7	61.8	20.7	33.5	1126
	S.D.	.367	.62	1.46	1.36	.58	.57	181.3
	N	10	10	10	10	10	10	10
2.0								
	MEAN	7.49	15.1	45.2	60.4	20.2	33.5	1069
	S.D.	.367	.70	1.64	1.62	.64	.55	128.2
	N	10	10	10	10	10	10	10
5.0								
	MEAN	7.40	15.4	45.8	62.0	20.8	33.6	1104
	S.D.	.396	.42	1.00	2.25	.79	.52	116.6
	N	10	10	10	10	10	10	10
20.0								
	MEAN	7.38	15.3	45.6	61.9	20.8	33.6	1108
	S.D.	.238	.27	1.07	1.21	.64	.53	88.4
	N	10	10	10	10	10	10	10

Table 11

Summary of Clinical Hematology Data

Females Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
0												
	MEAN	7.4	.7	6.3	.3	.1	.0	9	84	5	2	0
	S.D.	2.27	.23	2.12	.20	.06	.00	3.5	4.0	2.2	1.4	.0
	N	10	10	10	10	10	10	10	10	10	10	10
0.5												
	MEAN	6.5	.7	5.5	.3	.0	.0	10	84	4	1	0
	S.D.	1.01	.78	1.01	.13	.05	.00	10.8	10.4	1.7	.6	.0
	N	10	10	10	10	10	10	10	10	10	10	10
2.0												
	MEAN	5.0	.4	4.3	.2	.0	.0	9	84	5	1	0
	S.D.	1.80	.15	1.83	.11	.05	.00	5.1	7.9	3.5	.6	.0
	N	10	10	10	10	10	10	10	10	10	10	10
5.0												
	MEAN	6.9	.5	6.0	.2	.1	.0	8	87	4	1	0
	S.D.	2.88	.23	2.62	.11	.04	.00	2.1	3.7	1.7	.6	.0
	N	10	10	10	10	10	10	10	10	10	10	10
20.0												
	MEAN	6.2	.5	5.4	.2	.1	.0	8	86	4	1	0
	S.D.	1.80	.17	1.72	.14	.04	.00	2.7	4.6	2.1	.7	.0
	N	10	10	10	10	10	10	10	10	10	10	10

Table 12

Summary of Clinical Hematology Data

Males Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
0								
	MEAN	8.55	15.6	45.9	53.7	18.3	34.1	1142
	S.D.	.446	.69	1.83	1.52	.56	.55	164.6
	N	10	10	10	10	10	10	10
0.5								
	MEAN	8.77	15.8	46.7	53.3	18.0	33.9	1092
	S.D.	.441	.56	1.45	1.68	.48	.53	104.7
	N	10	10	10	10	10	10	10
2.0								
	MEAN	8.68	15.7	46.5	53.6	18.1	33.7	1168
	S.D.	.456	.60	1.65	2.19	.60	.47	189.6
	N	10	10	10	10	10	10	10
5.0								
	MEAN	8.57	15.2	45.2	52.8	17.8	33.7	1078
	S.D.	.478	.63	1.61	1.64	.48	.49	155.6
	N	10	10	10	10	10	10	10
20.0								
	MEAN	8.23	15.1	44.6	54.2	18.4	33.9	1139
	S.D.	.216	.51	1.30	1.42	.51	.38	124.3
	N	10	10	10	10	10	10	10

Table 12

Summary of Clinical Hematology Data

Males Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
0												
	MEAN	8.2	1.1	6.1	.8	.2	.0	14	74	10	2	0
	S.D.	1.95	.37	1.46	.27	.07	.03	3.1	3.2	2.1	.6	.0
	N	10	10	10	10	10	10	10	10	10	10	10
0.5												
	MEAN	8.5	1.3	6.2	.8	.2	.0	15	73	10	2	0
	S.D.	1.20	.28	1.04	.19	.10	.00	3.6	4.5	1.6	1.1	.0
	N	10	10	10	10	10	10	10	10	10	10	10
2.0												
	MEAN	7.8	1.2	5.7	.8	.2	.0	15	73	10	2	0
	S.D.	1.64	.33	1.20	.29	.07	.03	1.8	3.8	2.8	1.1	.3
	N	10	10	10	10	10	10	10	10	10	10	10
5.0												
	MEAN	7.8	1.2	5.7	.7	.2	.0	16	73	9	2	0
	S.D.	2.08	.37	1.97	.20	.05	.00	4.5	6.1	2.5	.6	.0
	N	10	10	10	10	10	10	10	10	10	10	10
20.0												
	MEAN	10.5	1.6 *	7.8	.9	.2	.0	16	73	8	2	0
	S.D.	3.65	.35	3.43	.39	.08	.03	5.4	7.3	4.2	.7	.0
	N	10	10	10	10	10	10	10	10	10	10	10

Table 12

Summary of Clinical Hematology Data

Females Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
0								
	MEAN	8.00	15.3	45.2	56.6	19.1	33.8	1061
	S.D.	.535	.87	2.58	1.18	.25	.57	68.5
	N	10	10	10	10	10	10	10
0.5								
	MEAN	8.22	15.5	46.0	56.0	18.9	33.7	1143
	S.D.	.377	.59	1.80	1.93	.74	.91	67.8
	N	10	10	10	10	10	10	10
2.0								
	MEAN	8.06	15.2	45.2	56.1	18.8	33.6	1070
	S.D.	.253	.58	1.76	2.37	.72	.57	93.4
	N	10	10	10	10	10	10	10
5.0								
	MEAN	7.97	15.2	45.0	56.5	19.0	33.7	1082
	S.D.	.453	.70	2.17	1.32	.41	.65	64.7
	N	10	10	10	10	10	10	10
20.0								
	MEAN	7.87	15.1	44.2	56.2	19.2	34.1	1144
	S.D.	.247	.67	1.82	1.64	.59	1.08	122.9
	N	10	10	10	10	10	10	10

Table 12

Summary of Clinical Hematology Data

Females Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
0												
	MEAN	4.9	1.0	3.4	.4	.1	.0	20	69	8	2	0
	S.D.	1.51	.53	1.14	.17	.07	.00	8.8	9.7	2.9	.9	.0
	N	10	10	10	10	10	10	10	10	10	10	10
0.5												
	MEAN	6.4	1.0	4.8	.5	.1	.0	16	73	9	2	0
	S.D.	2.64	.45	2.18	.25	.03	.00	5.1	9.1	4.0	.8	.0
	N	10	10	10	10	10	10	10	10	10	10	10
2.0												
	MEAN	4.9	.7	3.9	.3	.1	.0	14	77	6	2	0
	S.D.	1.65	.17	1.50	.08	.03	.00	4.4	5.1	1.2	.9	.0
	N	10	10	10	10	10	10	10	10	10	10	10
5.0												
	MEAN	5.8	.9	4.4	.4	.1	.0	15	75	8	2	0
	S.D.	1.96	.55	1.54	.32	.05	.03	7.1	7.7	3.9	.8	.4
	N	10	10	10	10	10	10	10	10	10	10	10
20.0												
	MEAN	4.8	1.0	3.4	.3	.1	.0	19	72	7	2	0
	S.D.	1.68	.64	1.12	.17	.06	.00	6.3	6.7	2.5	1.3	.3
	N	10	10	10	10	10	10	10	10	10	10	10

Table 13

Summary of Clinical Hematology Data

Males Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
0								
	MEAN	8.78	15.7	46.1	52.6	17.9	34.0	1235
	S.D.	.471	.58	1.96	1.60	.56	.34	171.4
	N	10	10	10	10	10	10	10
0.5								
	MEAN	8.84	15.5	46.0	52.1	17.6	33.7	1270
	S.D.	.629	.84	2.34	1.63	.60	.31	138.4
	N	10	10	10	10	10	10	10
2.0								
	MEAN	8.82	15.5	45.6	51.8	17.5	33.9	1237
	S.D.	.301	.54	1.62	1.01	.45	.38	127.7
	N	10	10	10	10	10	10	10
5.0								
	MEAN	9.04	15.8	46.6	51.6	17.4	33.8	1217
	S.D.	.439	.60	1.84	1.40	.58	.36	116.4
	N	10	10	10	10	10	10	10
20.0								
	MEAN	8.67	15.1	44.7	51.6	17.4	33.8	1287
	S.D.	.252	.62	1.22	2.06	.83	.57	162.9
	N	10	10	10	10	10	10	10

Table 13

Summary of Clinical Hematology Data

Males Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
0												
	MEAN	7.5	1.3	5.0	1.0	.2	.0	18	67	13	2	1
	S.D.	1.43	.29	1.14	.23	.08	.05	4.1	3.9	2.1	1.0	.5
	N	10	10	10	10	10	10	10	10	10	10	10
0.5												
	MEAN	8.2	1.5	5.6	.9	.2	.0	19	67	11	2	1
	S.D.	1.42	.31	1.40	.19	.03	.05	5.6	6.2	2.3	.7	.5
	N	10	10	10	10	10	10	10	10	10	10	10
2.0												
	MEAN	8.7	1.7	5.7	1.0	.2	.0	19	66	12	2	0
	S.D.	1.53	.52	1.28	.26	.07	.04	6.1	7.8	2.2	.6	.5
	N	10	10	10	10	10	10	10	10	10	10	10
5.0												
	MEAN	8.6	1.6	5.7	1.2	.2	.0	19	65	14	2	1
	S.D.	1.88	.31	1.74	.32	.05	.05	4.5	6.7	3.0	.4	.5
	N	10	10	10	10	10	10	10	10	10	10	10
20.0												
	MEAN	8.7	1.6	5.9	1.0	.1	.0	18	68	12	2	0
	S.D.	1.88	.42	1.41	.28	.05	.04	3.2	4.9	2.6	.7	.5
	N	10	10	10	10	10	10	10	10	10	10	10

Table 13

Summary of Clinical Hematology Data

Females Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
0								
	MEAN	7.56	14.6	43.5	57.6	19.2	33.4	1051
	S.D.	.563	.97	3.16	1.06	.33	.63	121.7
	N	10	10	10	10	10	10	10
0.5								
	MEAN	7.93	14.9	44.8	56.8	18.9	33.3	1057
	S.D.	.639	.52	1.92	2.94	1.18	.35	127.0
	N	10	10	10	10	10	10	10
2.0								
	MEAN	8.00	15.1	45.2	56.5	18.9	33.4	1074
	S.D.	.312	.66	1.94	1.44	.53	.32	75.0
	N	10	10	10	10	10	10	10
5.0								
	MEAN	8.12	15.3 *	46.1 *	56.8	18.9	33.3	1095
	S.D.	.353	.61	1.61	1.20	.57	.44	131.4
	N	10	10	10	10	10	10	10
20.0								
	MEAN	7.73	14.5	43.3	56.1	18.8	33.5	1062
	S.D.	.398	.53	1.70	1.87	.66	.39	153.7
	N	10	10	10	10	10	10	10

Table 13

Summary of Clinical Hematology Data

Females Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
0												
	MEAN	5.5	.9	4.0	.6	.1	.0	16	72	10	2	0
	S.D.	.77	.54	.63	.26	.10	.03	9.1	9.9	3.3	1.3	.4
	N	10	10	10	10	10	10	10	10	10	10	10
0.5												
	MEAN	6.7	1.1	5.0	.5	.1	.0	14	77	7	2	0
	S.D.	4.82	1.22	3.24	.33	.05	.03	5.3	5.6	3.2	.6	.3
	N	10	10	10	10	10	10	10	10	10	10	10
2.0												
	MEAN	4.8	.7	3.6	.4	.1	.0	15	74	8	2	0
	S.D.	1.17	.21	.97	.18	.03	.00	3.1	6.0	3.4	1.1	.0
	N	10	10	10	10	10	10	10	10	10	10	10
5.0												
	MEAN	6.1	.8	4.7	.5	.1	.0	14	76	8	2	0
	S.D.	1.95	.23	1.74	.24	.05	.00	4.8	6.5	3.9	.6	.4
	N	10	10	10	10	10	10	10	10	10	10	10
20.0												
	MEAN	5.9	.9	4.4	.4	.1	.0	16	75	7	2	0
	S.D.	1.61	.55	1.41	.18	.04	.00	8.4	10.7	3.2	1.0	.5
	N	10	10	10	10	10	10	10	10	10	10	10

Table 14

Summary of Clinical Hematology Data

Males Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
0								
	MEAN	8.33	15.5	43.5	52.3	18.6	35.6	1112
	S.D.	.286	.70	2.02	1.70	.59	.38	155.9
	N	10	10	10	10	10	10	10
0.5								
	MEAN	8.33	15.2	43.4	52.1	18.3	35.1	1059
	S.D.	.266	.21	.77	1.23	.57	.49	172.9
	N	10	10	10	10	10	10	10
2.0								
	MEAN	8.11	14.9	42.5	52.4	18.4	35.1	931 *
	S.D.	.288	.64	1.63	1.79	.75	.36	108.6
	N	10	10	10	10	10	10	10
5.0								
	MEAN	8.43	15.2	43.7	52.0	18.0	34.7 *	1011
	S.D.	.536	.45	1.56	2.41	.94	.58	111.9
	N	10	10	10	10	10	10	10
20.0								
	MEAN	8.28	14.9	41.7	50.4	17.9	35.6	1241
	S.D.	.360	.71	1.74	1.58	.47	.49	124.3
	N	9	9	9	9	9	9	9

Table 14

Summary of Clinical Hematology Data

Males Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
0												
	MEAN	7.1	2.4	3.6	.9	.1	.0	34	51	13	2	0
	S.D.	1.33	.96	.96	.26	.05	.00	11.9	10.6	3.2	.6	.4
	N	10	10	10	10	10	10	10	10	10	10	10
0.5												
	MEAN	7.8	1.7	4.9 *	1.1	.1	.0	22 *	63 *	14	2	0
	S.D.	1.59	.31	1.10	.32	.06	.03	3.0	4.0	2.5	.7	.4
	N	10	10	10	10	10	10	10	10	10	10	10
2.0												
	MEAN	8.6	2.1	5.4 *	1.0	.1	.0	22 *	64 *	11	1	0
	S.D.	2.97	1.64	1.20	.65	.04	.03	7.6	10.2	4.5	.5	.0
	N	10	10	10	10	10	10	10	10	10	10	10
5.0												
	MEAN	8.5	2.0	5.4 *	.9	.1	.0	24	63 *	11	2	0
	S.D.	1.63	.74	1.28	.33	.04	.00	6.2	7.9	2.6	.5	.0
	N	10	10	10	10	10	10	10	10	10	10	10
20.0												
	MEAN	7.3	2.3	4.0	.8	.1	.0	30	56	12	2	0
	S.D.	1.78	1.58	1.29	.42	.03	.03	12.3	15.1	5.0	.5	.3
	N	9	9	9	9	9	9	9	9	9	9	9

Table 14

Summary of Clinical Hematology Data

Females Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
0								
	MEAN	7.39	14.5	40.5	54.9	19.6	35.7	1009
	S.D.	.485	.76	1.84	1.64	.60	.31	80.9
	N	10	10	10	10	10	10	10
0.5								
	MEAN	7.26	14.2	41.0	56.6	19.7	34.7 *	908
	S.D.	.695	1.04	3.11	2.40	.94	.42	99.0
	N	10	10	10	10	10	10	10
2.0								
	MEAN	7.31	14.3	41.1	56.3	19.7	34.9 *	851 *
	S.D.	.566	.61	1.91	2.32	.89	.45	101.9
	N	10	10	10	10	10	10	10
5.0								
	MEAN	7.32	14.2	41.1	56.2	19.5	34.7 *	837 *
	S.D.	.479	.56	1.73	1.96	.83	.40	85.9
	N	10	10	10	10	10	10	10
20.0								
	MEAN	7.05	13.5	38.1	54.0	19.2	35.5	1023
	S.D.	.881	1.66	4.56	1.25	.46	.29	113.7
	N	10	10	10	10	10	10	10

Table 14

Summary of Clinical Hematology Data

Females Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
0												
	MEAN	4.2	1.6	1.9	.5	.1	.0	37	49	12	2	0
	S.D.	1.72	1.16	.57	.16	.00	.00	10.5	8.8	3.2	.8	.0
	N	10	10	10	10	10	10	10	10	10	10	10
0.5												
	MEAN	4.7	1.0	3.1 *	.5	.1	.0	22 *	64 *	12	2	0
	S.D.	1.53	.28	1.27	.20	.03	.00	4.7	7.2	4.6	.8	.3
	N	10	10	10	10	10	10	10	10	10	10	10
2.0												
	MEAN	5.2	1.5	3.1 *	.5	.1	.0	28	59	10	3	0
	S.D.	1.28	.54	.94	.16	.05	.00	7.4	8.6	2.5	.7	.0
	N	10	10	10	10	10	10	10	10	10	10	10
5.0												
	MEAN	4.2	1.2	2.5	.5	.1	.0	27	60	11	2	0
	S.D.	1.27	.58	.70	.19	.04	.00	8.2	8.2	3.9	.8	.3
	N	10	10	10	10	10	10	10	10	10	10	10
20.0												
	MEAN	5.4	2.1	2.6	.5	.1	.0	34	53	10	2	0
	S.D.	2.33	1.94	.90	.27	.04	.00	17.1	17.6	2.5	1.0	.4
	N	10	10	10	10	10	10	10	10	10	10	10

Table 15

Summary of Clinical Chemistry Data

Males Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
0									
	MEAN	97	12	.6	6.2	4.4	1.8	.1	49
	S.D.	11.4	1.2	.18	.43	.26	.32	.09	6.6
	N	10	10	10	10	10	10	10	10
0.5									
	MEAN	97	12	.6	6.4	4.6	1.8	.1	49
	S.D.	5.2	1.8	.06	.33	.29	.31	.09	6.5
	N	10	10	10	10	10	10	10	10
2.0									
	MEAN	91	12	.6	6.0	4.5	1.6	.1	44
	S.D.	10.8	1.3	.14	.33	.29	.16	.08	8.6
	N	10	10	10	10	10	10	10	10
5.0									
	MEAN	94	12	.6	6.3	4.6	1.7	.0	48
	S.D.	8.9	2.1	.10	.29	.19	.15	.05	15.3
	N	10	10	10	10	10	10	10	10
20.0									
	MEAN	84 *	13	.6	6.3	4.6	1.7	.1	45
	S.D.	5.0	1.5	.12	.23	.18	.13	.09	13.7
	N	10	10	10	10	10	10	10	10

Table 15

Summary of Clinical Chemistry Data

Males Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
0									
	MEAN	122	31	1	10.7	10.0	148	6.3	104
	S.D.	26.4	3.4	1.3	.41	.54	1.6	.69	1.5
	N	10	10	10	10	10	10	10	10
0.5									
	MEAN	146	32	0	10.7	9.5	147	6.3	104
	S.D.	28.9	4.2	.7	.31	.62	1.3	.42	1.1
	N	10	10	10	10	10	10	10	10
2.0									
	MEAN	104	28	1	10.6	10.1	148	6.2	105
	S.D.	22.6	5.2	1.6	.41	.39	1.4	.71	1.1
	N	10	10	10	10	10	10	10	10
5.0									
	MEAN	114	30	0	10.9	9.8	147	6.2	103
	S.D.	17.2	3.8	.7	.28	.62	1.4	.62	2.2
	N	10	10	10	10	10	10	10	10
20.0									
	MEAN	131	33	1	10.6	9.8	148	6.1	103
	S.D.	19.9	3.0	1.3	.31	.59	1.4	.58	.9
	N	10	10	10	10	10	10	10	10

Table 15

Summary of Clinical Chemistry Data

Females Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
0									
	MEAN	114	14	.7	6.9	5.1	1.8	.1	72
	S.D.	7.1	1.7	.10	.14	.11	.16	.10	11.5
	N	10	10	10	10	10	10	10	10
0.5									
	MEAN	111	13	.8	6.8	5.0	1.8	.0	70
	S.D.	7.0	1.8	.09	.16	.18	.23	.07	25.8
	N	10	10	10	10	10	10	10	10
2.0									
	MEAN	113	14	.8	6.8	5.1	1.7	.0	61
	S.D.	17.9	1.8	.13	.39	.32	.19	.07	17.7
	N	10	10	10	10	10	10	10	10
5.0									
	MEAN	109	13	.7	7.1	5.3	1.8	.0	58
	S.D.	11.0	1.2	.08	.35	.31	.17	.04	14.8
	N	10	10	10	10	10	10	10	10
20.0									
	MEAN	107	14	.7	6.8	5.2	1.6	.0	54
	S.D.	7.7	1.8	.10	.35	.19	.18	.10	10.7
	N	10	10	10	10	10	10	10	10

Table 15

Summary of Clinical Chemistry Data

Females Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
0									
	MEAN	123	32	0	10.8	8.5	145	5.9	104
	S.D.	28.2	4.8	.7	.34	.90	1.0	.43	1.3
	N	10	10	10	10	10	10	10	10
0.5									
	MEAN	120	31	1	10.6	8.4	145	6.1	104
	S.D.	37.2	5.6	1.4	.31	1.03	.8	.45	.9
	N	10	10	10	10	10	10	10	10
2.0									
	MEAN	101	29	2	10.7	8.5	147	6.2	106
	S.D.	12.2	5.6	2.0	.37	1.08	1.3	.51	1.2
	N	10	10	10	10	10	10	10	10
5.0									
	MEAN	112	32	2	10.7	7.9	147	6.1	105
	S.D.	23.9	5.1	1.3	.35	.83	2.2	.41	1.5
	N	10	10	10	10	10	10	10	10
20.0									
	MEAN	92 *	32	1	10.6	8.2	146	6.0	105
	S.D.	16.0	7.1	1.1	.24	1.47	1.8	.56	1.1
	N	10	10	10	10	10	10	10	10

Table 15

Summary of Clinical Chemistry Data

Males Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		PCOAO IU/G
0		
	MEAN	9
	S.D.	2.2
	N	5
0.5		
	MEAN	9
	S.D.	2.3
	N	5
2.0		
	MEAN	7
	S.D.	4.0
	N	5
5.0		
	MEAN	8
	S.D.	.8
	N	5
20.0		
	MEAN	6
	S.D.	1.4
	N	5

Table 15

Summary of Clinical Chemistry Data

Females Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		PCOAO IU/G
0		
	MEAN	5
	S.D.	1.5
	N	5
0.5		
	MEAN	6
	S.D.	1.1
	N	5
2.0		
	MEAN	3
	S.D.	1.7
	N	5
5.0		
	MEAN	2 *
	S.D.	1.1
	N	5
20.0		
	MEAN	4
	S.D.	1.1
	N	5

Table 16

Summary of Clinical Chemistry Data

Males Week 14 (PCOAO)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		PCOAO IU/G
0		
	MEAN	5
	S.D.	1.3
	N	5
0.5		
	MEAN	5
	S.D.	3.3
	N	5
2.0		
	MEAN	5
	S.D.	3.0
	N	5
5.0		
	MEAN	2
	S.D.	1.8
	N	5
20.0		
	MEAN	5
	S.D.	1.9
	N	5

Table 16

Summary of Clinical Chemistry Data

Females Week 14 (PCOAO)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		PCOAO IU/G
0		
	MEAN	2
	S.D.	1.6
	N	5
0.5		
	MEAN	3
	S.D.	2.4
	N	5
2.0		
	MEAN	1
	S.D.	.7
	N	5
5.0		
	MEAN	2
	S.D.	2.6
	N	5
20.0		
	MEAN	5
	S.D.	2.9
	N	5

Table 17

Summary of Clinical Chemistry Data

Males Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
0									
	MEAN	102	13	.4	6.9	4.9	2.0	.2	63
	S.D.	6.5	1.8	.14	.41	.26	.30	.18	13.4
	N	10	10	10	10	10	10	10	10
0.5									
	MEAN	106	14	.6	7.0	5.0	2.0	.2	53
	S.D.	11.2	1.6	.14	.34	.20	.26	.15	16.6
	N	10	10	10	10	10	10	10	10
2.0									
	MEAN	91	13	.5	6.7	4.7	2.0	.1	51
	S.D.	13.7	2.0	.10	.34	.16	.25	.12	14.5
	N	10	10	10	10	10	10	10	10
5.0									
	MEAN	99	14	.6	7.0	4.9	2.1	.2	57
	S.D.	8.9	1.4	.12	.46	.29	.20	.15	6.9
	N	10	10	10	10	10	10	10	10
20.0									
	MEAN	95	16 *	.6	6.9	4.9	2.0	.1	37 *
	S.D.	10.3	1.6	.16	.34	.24	.18	.13	12.9
	N	10	10	10	10	10	10	10	10

Table 17

Summary of Clinical Chemistry Data

Males Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
0									
	MEAN	111	36	1	10.5	7.5	146	6.2	105
	S.D.	23.1	7.0	1.5	.28	.57	.7	.37	1.2
	N	10	10	10	10	10	10	10	10
0.5									
	MEAN	112	41	1	10.5	7.8	147	6.5	105
	S.D.	18.8	6.3	.7	.29	.64	2.6	.32	2.0
	N	10	10	10	10	10	10	10	10
2.0									
	MEAN	127	41	1	10.4	7.8	147	6.4	105
	S.D.	20.5	4.7	1.3	.20	.64	1.8	.46	2.2
	N	10	10	10	10	10	10	10	10
5.0									
	MEAN	129	44	1	10.5	7.5	147	6.1	104
	S.D.	15.4	13.6	1.6	.31	.57	2.8	.37	2.0
	N	10	10	10	10	10	10	10	10
20.0									
	MEAN	128	65 *	1	10.5	7.8	146	6.4	104
	S.D.	60.7	52.9	1.6	.23	.58	1.3	.52	1.4
	N	10	10	10	10	10	10	10	10

Table 17

Summary of Clinical Chemistry Data

Females Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
0	MEAN	106	15	.6	7.6	5.6	2.1	.1	75
	S.D.	12.0	1.7	.12	.34	.25	.22	.19	14.9
	N	10	10	10	10	10	10	10	10
0.5	MEAN	106	15	.6	8.2 *	6.2 *	2.0	.2	88
	S.D.	9.1	3.2	.13	.42	.44	.19	.14	27.1
	N	10	10	10	10	10	10	10	10
2.0	MEAN	108	15	.8 *	7.9	5.9	2.0	.1	87
	S.D.	5.9	2.3	.12	.30	.24	.22	.08	23.9
	N	10	10	10	10	10	10	10	10
5.0	MEAN	95 *	15	.6	8.0	5.9	2.1	.2	70
	S.D.	8.3	2.0	.14	.44	.43	.31	.14	13.4
	N	10	10	10	10	10	10	10	10
20.0	MEAN	99	18 *	.6	8.0	6.1 *	1.9	.2	66
	S.D.	6.7	2.5	.05	.45	.33	.19	.14	14.0
	N	10	10	10	10	10	10	10	10

Table 17

Summary of Clinical Chemistry Data

Females Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
0									
	MEAN	103	34	1	10.7	6.3	148	6.0	107
	S.D.	16.3	2.4	1.2	.45	.95	2.0	.43	.9
	N	10	10	10	10	10	10	10	10
0.5									
	MEAN	107	36	1	11.1	6.4	148	6.4	106
	S.D.	17.8	9.1	1.7	.49	1.30	2.1	.76	1.6
	N	10	10	10	10	10	10	10	10
2.0									
	MEAN	103	37	1	10.9	6.5	148	6.2	105
	S.D.	26.9	17.9	1.4	.43	.87	3.0	.71	1.4
	N	10	10	10	10	10	10	10	10
5.0									
	MEAN	103	34	2	10.7	6.6	148	5.8	107
	S.D.	16.5	4.7	1.9	.51	1.14	2.8	.72	1.9
	N	10	10	10	10	10	10	10	10
20.0									
	MEAN	90	39	1	10.8	6.5	148	6.2	106
	S.D.	20.7	18.2	1.5	.30	.77	2.6	.57	3.0
	N	10	10	10	10	10	10	10	10

Table 18

Summary of Clinical Chemistry Data

Males Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
0									
	MEAN	115	12	.7	7.3	4.9	2.4	.2	89
	S.D.	8.1	2.3	.10	.43	.28	.34	.12	24.7
	N	10	10	10	10	10	10	10	10
0.5									
	MEAN	117	13	.8	7.1	4.7	2.4	.3	84
	S.D.	14.7	1.7	.16	.48	.30	.33	.06	31.8
	N	10	10	10	10	10	10	10	10
2.0									
	MEAN	114	13	.8	7.2	4.8	2.4	.4	74
	S.D.	13.2	2.3	.08	.29	.23	.26	.16	15.5
	N	10	10	10	10	10	10	10	10
5.0									
	MEAN	113	14	.7	7.4	4.9	2.5	.3	72
	S.D.	11.7	2.5	.16	.45	.28	.24	.12	28.2
	N	10	10	10	10	10	10	10	10
20.0									
	MEAN	111	17 *	.8	7.5	5.1	2.4	.2	46 *
	S.D.	12.8	2.1	.15	.34	.25	.19	.10	11.6
	N	10	10	10	10	10	10	10	10

Table 18

Summary of Clinical Chemistry Data

Males Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
0									
	MEAN	84	37	1	11.1	6.7	146	6.7	104
	S.D.	17.8	6.2	1.3	.36	.36	1.1	.23	2.0
	N	10	10	10	10	10	10	10	10
0.5									
	MEAN	81	36	2	11.1	6.9	147	7.0	104
	S.D.	13.0	6.1	1.8	.43	.59	1.8	.53	1.4
	N	10	10	10	10	10	10	10	10
2.0									
	MEAN	92	47	1	11.1	6.8	147	6.7	104
	S.D.	22.0	10.5	.6	.28	.30	1.9	.54	1.5
	N	10	10	10	10	10	10	10	10
5.0									
	MEAN	80	38	1	11.3	7.1	148	6.9	104
	S.D.	9.7	6.3	1.4	.57	.62	1.9	.46	1.4
	N	10	10	10	10	10	10	10	10
20.0									
	MEAN	103	65	1	11.2	7.3	147	6.9	104
	S.D.	53.6	48.7	1.9	.34	.92	2.5	.65	1.4
	N	10	10	10	10	10	10	10	10

Table 18

Summary of Clinical Chemistry Data

Females Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
0	MEAN	104	14	.9	8.9	6.4	2.5	.4	115
	S.D.	7.3	1.3	.17	.37	.41	.20	.14	26.0
	N	10	10	10	10	10	10	10	10
0.5	MEAN	98	15	.9	8.4	6.2	2.3	.3	95
	S.D.	6.3	2.1	.21	.66	.59	.29	.10	29.0
	N	10	10	10	10	10	10	10	10
2.0	MEAN	99	15	1.0	8.4	6.0	2.4	.3	78 *
	S.D.	8.2	1.9	.16	.71	.65	.26	.13	16.3
	N	10	10	10	10	10	10	10	10
5.0	MEAN	98	15	.9	8.3	5.9	2.3	.3	79 *
	S.D.	10.0	3.2	.14	.39	.28	.29	.15	10.9
	N	10	10	10	10	10	10	10	10
20.0	MEAN	94	20 *	.9	8.7	6.4	2.3	.4	80 *
	S.D.	6.8	2.8	.13	.55	.37	.31	.14	24.4
	N	10	10	10	10	10	10	10	10

Table 18

Summary of Clinical Chemistry Data

Females Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
0									
	MEAN	119	64	2	11.7	6.7	148	5.8	106
	S.D.	71.9	49.4	2.0	.34	.77	2.1	.71	2.3
	N	10	10	10	10	10	10	10	10
0.5									
	MEAN	102	34	2	11.7	6.5	147	5.9	106
	S.D.	18.6	8.4	1.5	.67	.74	2.2	.69	1.9
	N	10	10	10	10	10	10	10	10
2.0									
	MEAN	143	77	2	11.2 *	6.4	148	5.8	107
	S.D.	116.7	130.6	2.0	.38	.96	2.4	.57	1.8
	N	10	10	10	10	10	10	10	10
5.0									
	MEAN	117	47	4	11.2	6.7	148	6.0	108
	S.D.	39.6	25.8	1.7	.37	.75	1.9	.63	2.0
	N	10	10	10	10	10	10	10	10
20.0									
	MEAN	117	64	2	11.5	7.3	148	6.0	106
	S.D.	62.6	55.5	2.6	.44	1.20	2.9	.67	2.0
	N	10	10	10	10	10	10	10	10

Table 19

Summary of Clinical Chemistry Data

Males Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
0									
	MEAN	129	10	.6	7.0	4.4	2.6	.0	120
	S.D.	13.2	1.4	.17	.46	.35	.33	.07	44.6
	N	10	10	10	10	10	10	10	10
0.5									
	MEAN	125	12	.7	7.4	4.8	2.6	.2	129
	S.D.	12.5	1.2	.09	.26	.26	.28	.16	53.1
	N	10	10	10	10	10	10	10	10
2.0									
	MEAN	121	12 *	.7	7.3	4.7	2.6	.1	89
	S.D.	13.8	1.5	.15	.38	.20	.32	.09	17.7
	N	10	10	10	10	10	10	10	10
5.0									
	MEAN	121	14 *	.7	7.6 *	4.8	2.7	.1	92
	S.D.	8.0	1.3	.16	.46	.28	.32	.12	15.2
	N	10	10	10	10	10	10	10	10
20.0									
	MEAN	110 *	13 *	.7	7.0	4.6	2.4	.0	50 *
	S.D.	10.2	2.3	.09	.61	.55	.23	.03	17.8
	N	9	9	9	9	9	9	9	9

Table 19

Summary of Clinical Chemistry Data

Males Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
0									
	MEAN	106	54	0	10.5	6.3	147	5.9	106
	S.D.	27.0	65.8	.0	.39	.42	1.6	.44	1.8
	N	10	10	10	10	10	10	10	10
0.5									
	MEAN	118	62 *	0	11.4 *	7.1 *	148	6.5	106
	S.D.	38.8	51.8	.5	.41	.34	2.5	.55	1.9
	N	10	10	10	10	10	10	10	10
2.0									
	MEAN	111	40	0	11.0 *	7.2 *	149	6.6	107
	S.D.	16.6	7.5	.8	.43	.59	2.4	.56	1.7
	N	10	10	10	10	10	10	10	10
5.0									
	MEAN	130	44	0	11.1 *	7.7 *	149	6.8 *	107
	S.D.	21.9	8.3	1.3	.55	.64	3.5	.63	2.4
	N	10	10	10	10	10	10	10	10
20.0									
	MEAN	129	83 *	1	10.5	7.0 *	148	6.2	110 *
	S.D.	70.0	84.4	1.3	.41	.61	3.5	.89	2.1
	N	9	9	9	9	9	9	9	9

Table 19

Summary of Clinical Chemistry Data

Females Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
0									
	MEAN	111	11	.7	7.7	5.5	2.2	.0	116
	S.D.	10.1	2.5	.10	1.04	.81	.38	.07	19.8
	N	10	10	10	10	10	10	10	10
0.5									
	MEAN	102	13	.7	8.1	5.8	2.3	.2	108
	S.D.	8.4	2.3	.25	.44	.34	.19	.14	26.1
	N	10	10	10	10	10	10	10	10
2.0									
	MEAN	96 *	13	.8	8.0	5.5	2.5	.1	101
	S.D.	12.9	2.2	.15	.45	.44	.46	.11	17.2
	N	10	10	10	10	10	10	10	10
5.0									
	MEAN	97 *	14 *	.8	8.2	5.8	2.4	.1	110
	S.D.	6.3	2.9	.19	.31	.32	.30	.13	49.6
	N	10	10	10	10	10	10	10	10
20.0									
	MEAN	98 *	16 *	.8	7.9	5.7	2.2	.0	79
	S.D.	9.8	2.8	.14	.76	.81	.39	.10	25.5
	N	10	10	10	10	10	10	10	10

Table 19

Summary of Clinical Chemistry Data

Females Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
0									
	MEAN	119	50	0	10.6	5.8	146	5.1	106
	S.D.	61.0	30.2	.3	.54	.90	2.4	.47	2.6
	N	10	10	10	10	10	10	10	10
0.5									
	MEAN	115	43	0	11.1 *	5.8	147	5.8	106
	S.D.	15.3	7.1	.5	.48	.83	3.6	1.04	3.7
	N	10	10	10	10	10	10	10	10
2.0									
	MEAN	121	54	1	10.8	5.6	147	5.1	107
	S.D.	21.4	14.5	1.3	.24	.58	2.1	.45	2.5
	N	10	10	10	10	10	10	10	10
5.0									
	MEAN	108	46	1	11.0	5.5	147	5.4	108
	S.D.	25.1	19.5	1.7	.29	.74	1.8	.65	3.2
	N	10	10	10	10	10	10	10	10
20.0									
	MEAN	93	46	0	10.6	5.9	147	5.3	110
	S.D.	17.5	17.3	.3	.47	.65	3.1	1.00	2.7
	N	10	10	10	10	10	10	10	10

Table 20

Summary of Clinical Chemistry Data

Males Week 105

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		CHOL MG/DL	TRIG MG/DL
0			
	MEAN	153	199
	S.D.	73.5	151.3
	N	11	11
0.5			
	MEAN	144	187
	S.D.	60.8	82.7
	N	10	10
2.0			
	MEAN	129	199
	S.D.	38.4	120.6
	N	17	17
5.0			
	MEAN	123	150
	S.D.	42.7	65.3
	N	25	25
20.0			
	MEAN	118	169
	S.D.	52.2	121.9
	N	22	22
20.0			
	MEAN	145	137
	S.D.	40.1	53.9
	N	10	10

Table 20

Summary of Clinical Chemistry Data

Females Week 105

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		CHOL MG/DL	TRIG MG/DL
0			
	MEAN	124	123
	S.D.	39.6	78.6
	N	24	24
0.5			
	MEAN	124	114
	S.D.	25.4	100.1
	N	15	15
5.0			
	MEAN	114	136
	S.D.	29.8	92.5
	N	15	15
20.0			
	MEAN	103	96
	S.D.	57.2	109.7
	N	25	25
20.0			
	MEAN	109	149
	S.D.	23.3	76.2
	N	17	17

Table 21

Summary of Clinical Chemistry Data

Females Day 719

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		CHOL MG/DL	TRIG MG/DL
2.0			
	MEAN	124	169
	S.D.	41.1	70.4
	N	9	9

Table 22

Summary of Clinical Urinalysis Data

Males Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		U VOL ML	SP GR	U PH
0				
	MEAN	21.4	1.010	7.0
	S.D.	11.72	.0036	.16
	N	10	10	10
0.5				
	MEAN	22.6	1.014	7.0
	S.D.	14.76	.0080	.24
	N	10	10	10
2.0				
	MEAN	25.3	1.010	7.0
	S.D.	16.35	.0073	.33
	N	10	10	10
5.0				
	MEAN	31.8	1.009	7.2
	S.D.	14.52	.0055	.24
	N	10	10	10
20.0				
	MEAN	22.6	1.012	7.0
	S.D.	9.78	.0069	.00
	N	10	10	10

Table 22

Summary of Clinical Urinalysis Data

Females Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		U VOL ML	SP GR	U PH
0				
	MEAN	10.9	1.019	6.8
	S.D.	13.48	.0103	.26
	N	10	10	10
0.5				
	MEAN	15.2	1.015	6.8
	S.D.	16.13	.0106	.24
	N	10	10	10
2.0				
	MEAN	14.2	1.015	6.8
	S.D.	17.68	.0087	.26
	N	10	10	10
5.0				
	MEAN	13.2	1.014	6.8
	S.D.	7.12	.0060	.24
	N	10	10	10
20.0				
	MEAN	17.5	1.013	6.8
	S.D.	16.39	.0083	.26
	N	10	10	10

Table 23

Summary of Clinical Urinalysis Data

Males Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		U VOL ML	SP GR	U PH
0				
	MEAN	28.8	1.014	7.2
	S.D.	16.45	.0099	.34
	N	10	10	10
0.5				
	MEAN	23.5	1.018	7.1
	S.D.	16.23	.0140	.39
	N	10	10	10
2.0				
	MEAN	20.8	1.018	7.0
	S.D.	17.37	.0099	.37
	N	10	10	10
5.0				
	MEAN	25.4	1.014	7.0
	S.D.	14.27	.0067	.33
	N	10	10	10
20.0				
	MEAN	18.5	1.019	7.0
	S.D.	14.64	.0073	.28
	N	10	10	10

Table 23

Summary of Clinical Urinalysis Data

Females Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		U VOL ML	SP GR	U PH
0				
	MEAN	17.5	1.020	6.8
	S.D.	21.04	.0166	.26
	N	10	10	10
0.5				
	MEAN	16.8	1.016	7.0
	S.D.	17.86	.0090	.50
	N	10	10	10
2.0				
	MEAN	7.8	1.021	6.8
	S.D.	6.43	.0082	.35
	N	10	10	10
5.0				
	MEAN	25.7	1.009	6.8
	S.D.	14.20	.0050	.35
	N	10	10	10
20.0				
	MEAN	19.5	1.015	6.9
	S.D.	17.83	.0119	.32
	N	10	10	10

Table 24

Summary of Clinical Urinalysis Data

Males Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		U VOL ML	SP GR	U PH
0				
	MEAN	15.2	1.022	6.9
	S.D.	7.12	.0105	.32
	N	10	10	10
0.5				
	MEAN	16.2	1.017	7.1
	S.D.	8.42	.0056	.21
	N	10	10	10
2.0				
	MEAN	16.2	1.019	7.0
	S.D.	6.79	.0053	.37
	N	10	10	10
5.0				
	MEAN	20.4	1.019	7.0
	S.D.	15.70	.0107	.24
	N	10	10	10
20.0				
	MEAN	17.9	1.029	6.8
	S.D.	16.42	.0231	.26
	N	10	10	10

Table 24

Summary of Clinical Urinalysis Data

Females Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		U VOL ML	SP GR	U PH
0				
	MEAN	17.6	1.016	6.6
	S.D.	17.05	.0142	.21
	N	10	10	10
0.5				
	MEAN	15.9	1.016	6.6
	S.D.	12.34	.0089	.34
	N	10	10	10
2.0				
	MEAN	15.6	1.016	6.8
	S.D.	12.72	.0092	.24
	N	10	10	10
5.0				
	MEAN	21.6	1.014	6.9
	S.D.	14.18	.0104	.32
	N	10	10	10
20.0				
	MEAN	13.7	1.022	6.6
	S.D.	11.58	.0170	.37
	N	10	10	10

Table 25

Summary of Clinical Urinalysis Data

Males Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		U VOL ML	SP GR	U PH
0				
	MEAN	12.5	1.025	6.6
	S.D.	7.75	.0110	.32
	N	10	10	10
0.5				
	MEAN	18.0	1.026	6.7
	S.D.	13.20	.0123	.26
	N	10	10	10
2.0				
	MEAN	16.2	1.021	7.1 *
	S.D.	7.90	.0063	.42
	N	10	10	9
5.0				
	MEAN	11.6	1.032	6.9
	S.D.	7.53	.0182	.39
	N	10	10	10
20.0				
	MEAN	11.0	1.028	6.9
	S.D.	4.55	.0074	.49
	N	9	9	9

Table 25

Summary of Clinical Urinalysis Data

Females Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		U VOL ML	SP GR	U PH
0				
	MEAN	9.1	1.022	6.5
	S.D.	2.00	.0039	.33
	N	10	10	10
0.5				
	MEAN	7.7	1.025	6.6
	S.D.	4.07	.0070	.52
	N	10	10	10
2.0				
	MEAN	9.0	1.025	6.5
	S.D.	5.46	.0114	.33
	N	10	10	10
5.0				
	MEAN	8.3	1.030	6.6
	S.D.	12.54	.0105	.41
	N	10	10	10
20.0				
	MEAN	10.1	1.028	6.2
	S.D.	13.35	.0117	.26
	N	10	10	10

Table 26

Summary of Urine Chemistry Data

Males Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
0					
	MEAN	12	65	.22	1.18
	S.D.	3.5	20.2	.092	.258
	N	10	10	9	9
0.5					
	MEAN	19	86	.29	1.35
	S.D.	13.9	53.4	.096	.191
	N	10	10	9	9
2.0					
	MEAN	13	65	.24	1.18
	S.D.	9.5	42.5	.114	.211
	N	10	10	7	7
5.0					
	MEAN	14	54	.40	1.47
	S.D.	7.9	32.0	.186	.289
	N	10	10	7	7
20.0					
	MEAN	17	68	.28	1.23
	S.D.	16.4	39.1	.086	.175
	N	10	10	10	10

Table 26

Summary of Urine Chemistry Data

Females Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
0					
	MEAN	22	103	.13	.56
	S.D.	10.6	59.9	.049	.198
	N	10	10	9	9
0.5					
	MEAN	23	86	.15	.59
	S.D.	18.0	74.1	.071	.152
	N	10	10	8	8
2.0					
	MEAN	28	80	.20	.57
	S.D.	16.7	43.9	.069	.198
	N	10	10	8	8
5.0					
	MEAN	22	70	.24 *	.75
	S.D.	12.2	34.1	.076	.222
	N	10	10	10	10
20.0					
	MEAN	20	67	.18	.66
	S.D.	12.3	40.2	.048	.130
	N	10	10	8	8

Table 27

Summary of Urine Chemistry Data

Males Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
0					
	MEAN	20	60	.43	1.17
	S.D.	17.1	50.1	.255	.294
	N	10	10	7	7
0.5					
	MEAN	25	87	.38	1.13
	S.D.	16.5	80.7	.165	.314
	N	10	10	8	8
2.0					
	MEAN	23	82	.33	1.01
	S.D.	12.5	56.0	.180	.372
	N	10	10	8	8
5.0					
	MEAN	22	65	.44	1.33
	S.D.	11.7	34.8	.104	.226
	N	10	10	8	8
20.0					
	MEAN	26	89	.37	1.24
	S.D.	13.2	37.8	.182	.438
	N	10	10	10	10

Table 27

Summary of Urine Chemistry Data

Females Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
0					
	MEAN	32	77	.22	.54
	S.D.	23.2	53.0	.058	.172
	N	9	9	6	6
0.5					
	MEAN	27	70	.20	.56
	S.D.	17.6	43.6	.065	.212
	N	10	10	8	8
2.0					
	MEAN	43	106	.26	.63
	S.D.	21.2	44.1	.146	.234
	N	10	10	10	10
5.0					
	MEAN	16	42	.31	.88
	S.D.	9.1	25.2	.085	.281
	N	10	10	8	8
20.0					
	MEAN	37	69	.35	.65
	S.D.	40.5	68.9	.197	.259
	N	10	10	8	8

Table 28

Summary of Urine Chemistry Data

Males Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
0					
	MEAN	22	116	.29	1.43
	S.D.	14.5	67.1	.153	.422
	N	10	10	10	10
0.5					
	MEAN	16	77	.22	1.10
	S.D.	10.0	28.1	.098	.234
	N	10	10	10	10
2.0					
	MEAN	24	93	.35	1.27
	S.D.	9.9	25.3	.192	.333
	N	9	9	9	9
5.0					
	MEAN	21	89	.30	1.22
	S.D.	15.5	65.7	.122	.394
	N	10	10	8	8
20.0					
	MEAN	46	139	.41	1.31
	S.D.	42.4	114.5	.226	.532
	N	10	10	8	8

Table 28

Summary of Urine Chemistry Data

Females Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
0					
	MEAN	18	71	.14	.58
	S.D.	18.0	68.2	.070	.241
	N	10	10	8	8
0.5					
	MEAN	14	74	.16	.79
	S.D.	9.9	50.2	.055	.212
	N	10	10	9	9
2.0					
	MEAN	21	70	.19	.66
	S.D.	18.1	49.9	.083	.158
	N	10	10	10	10
5.0					
	MEAN	18	67	.22	.84
	S.D.	17.2	56.7	.139	.280
	N	10	10	9	9
20.0					
	MEAN	32	96	.21	.73
	S.D.	37.4	85.7	.119	.270
	N	10	10	10	10

Table 29

Summary of Urine Chemistry Data

Males Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
0					
	MEAN	32	133	.34	1.30
	S.D.	15.5	65.6	.141	.390
	N	10	10	10	10
0.5					
	MEAN	23	144	.27	1.65
	S.D.	18.2	103.4	.158	.354
	N	10	10	9	9
2.0					
	MEAN	21	96	.31	1.40
	S.D.	11.4	30.6	.168	.401
	N	10	10	10	10
5.0					
	MEAN	32	168	.27	1.41
	S.D.	21.5	105.3	.115	.228
	N	10	10	10	10
20.0					
	MEAN	46	145	.49	1.51
	S.D.	20.0	36.4	.215	.473
	N	9	9	9	9

Table 29

Summary of Urine Chemistry Data

Females Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

DOSE ppm T-6295		U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
0					
	MEAN	40	135	.36	1.19
	S.D.	14.8	42.4	.122	.337
	N	10	10	10	10
0.5					
	MEAN	28	132	.22	.87 *
	S.D.	13.6	51.3	.163	.278
	N	10	10	10	10
2.0					
	MEAN	23 *	140	.18	.99
	S.D.	8.8	69.9	.081	.307
	N	10	10	10	10
5.0					
	MEAN	37	172	.21	.76 *
	S.D.	14.5	80.9	.147	.239
	N	10	10	10	10
20.0					
	MEAN	42	164	.26	.93
	S.D.	22.7	85.4	.186	.226
	N	10	10	9	9

Summary of Organ Weight Data

Week 14 Sacrifice

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

LF ADRENAL

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1				
NUMBER IN GROUP:		5	5	5	5
MEAN:		495.5	0.0331	0.0068	0.0151
STANDARD DEV:		55.9	0.0016	0.0010	0.0011
M	2				
NUMBER IN GROUP:		5	5	5	5
MEAN:		481.0	0.0296	0.0061	0.0133
STANDARD DEV:		51.3	0.0071	0.0011	0.0032
M	3				
NUMBER IN GROUP:		5	5	5	5
MEAN:		434.1	0.0305	0.0071	0.0133
STANDARD DEV:		31.4	0.0082	0.0023	0.0032
F	1				
NUMBER IN GROUP:		5	5	5	5
MEAN:		284.0	0.0443	0.0159	0.0217
STANDARD DEV:		39.2	0.0073	0.0038	0.0042
F	2				
NUMBER IN GROUP:		5	5	5	5
MEAN:		298.9	0.0346	0.0115	0.0166
STANDARD DEV:		40.8	0.0062	0.0009	0.0034
F	3				
NUMBER IN GROUP:		5	5	5	5
MEAN:		265.7	0.0383	0.0146	0.0189
STANDARD DEV:		16.3	0.0060	0.0034	0.0028

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

LF ADRENAL

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	4					
		NUMBER IN GROUP:	5	5	5	5
		MEAN:	524.2	0.0330	0.0063	0.0146
		STANDARD DEV:	44.5	0.0063	0.0008	0.0034
M	5					
		NUMBER IN GROUP:	5	5	5	5
		MEAN:	470.3	0.0250	0.0053	0.0114
		STANDARD DEV:	40.1	0.0032	0.0004	0.0005
F	4					
		NUMBER IN GROUP:	5	5	5	5
		MEAN:	246.7	0.0355	0.0144	0.0172
		STANDARD DEV:	17.5	0.0072	0.0026	0.0037
F	5					
		NUMBER IN GROUP:	5	5	5	5
		MEAN:	249.1	0.0345	0.0140	0.0172
		STANDARD DEV:	26.1	0.0043	0.0024	0.0035

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

RT ADRENAL

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	495.5	0.0302	0.0062	0.0137
	STANDARD DEV:	55.9	0.0051	0.0013	0.0021
M	2				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	481.0	0.0247	0.0051	0.0112
	STANDARD DEV:	51.3	0.0094	0.0016	0.0043
M	3				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	434.1	0.0286	0.0066	0.0126
	STANDARD DEV:	31.4	0.0079	0.0019	0.0034
F	1				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	284.0	0.0417	0.0150	0.0204
	STANDARD DEV:	39.2	0.0093	0.0043	0.0050
F	2				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	298.9	0.0322	0.0108	0.0154
	STANDARD DEV:	40.8	0.0056	0.0013	0.0028
F	3				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	265.7	0.0373	0.0141	0.0184
	STANDARD DEV:	16.3	0.0052	0.0025	0.0022

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

RT ADRENAL

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	4					
		NUMBER IN GROUP:	5	5	5	5
		MEAN:	524.2	0.0318	0.0060	0.0140
		STANDARD DEV:	44.5	0.0072	0.0010	0.0032
M	5					
		NUMBER IN GROUP:	5	5	5	5
		MEAN:	470.3	0.0253	0.0054	0.0115
		STANDARD DEV:	40.1	0.0044	0.0009	0.0012
F	4					
		NUMBER IN GROUP:	5	5	5	5
		MEAN:	246.7	0.0329	0.0133	0.0159
		STANDARD DEV:	17.5	0.0042	0.0013	0.0018
F	5					
		NUMBER IN GROUP:	5	5	5	5
		MEAN:	249.1	0.0323	0.0131	0.0161
		STANDARD DEV:	26.1	0.0052	0.0028	0.0041

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

BRAIN

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	495.5	2.2027	0.4499	1.0000
	STANDARD DEV:	55.9	0.0998	0.0620	0.0000
M	2				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	481.0	2.2216	0.4652	1.0000
	STANDARD DEV:	51.3	0.1022	0.0408	0.0000
M	3				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	434.1	2.2768	0.5280	1.0000
	STANDARD DEV:	31.4	0.0980	0.0621	0.0000
F	1				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	284.0	2.0506	0.7302	1.0000
	STANDARD DEV:	39.2	0.0895	0.0796	0.0000
F	2				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	298.9	2.0992	0.7123	1.0000
	STANDARD DEV:	40.8	0.1878	0.1139	0.0000
F	3				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	265.7	2.0240	0.7647	1.0000
	STANDARD DEV:	16.3	0.0532	0.0623	0.0000

Summary of Organ Weight Data

Week 14 Sacrifice

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

BRAIN

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	4					
		NUMBER IN GROUP:	5	5	5	5
		MEAN:	524.2	2.2740	0.4366	1.0000
		STANDARD DEV:	44.5	0.1332	0.0471	0.0000
M	5					
		NUMBER IN GROUP:	5	5	5	5
		MEAN:	470.3	2.1876	0.4655	1.0000
		STANDARD DEV:	40.1	0.2136	0.0318	0.0000
F	4					
		NUMBER IN GROUP:	5	5	5	5
		MEAN:	246.7	2.0631	0.8388	1.0000
		STANDARD DEV:	17.5	0.0817	0.0509	0.0000
F	5					
		NUMBER IN GROUP:	5	5	5	5
		MEAN:	249.1	2.0375	0.8187	1.0000
		STANDARD DEV:	26.1	0.2129	0.0414	0.0000

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

LF KIDNEY

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	495.5	1.9158	0.3867	0.8733
	STANDARD DEV:	55.9	0.2630	0.0350	0.1428
M	2				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	481.0	1.8856	0.3920	0.8470
	STANDARD DEV:	51.3	0.2315	0.0241	0.0779
M	3				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	434.1	1.8856	0.4356	0.8295
	STANDARD DEV:	31.4	0.1583	0.0413	0.0808
F	1				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	284.0	1.1576	0.4123	0.5650
	STANDARD DEV:	39.2	0.1245	0.0616	0.0618
F	2				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	298.9	1.1245	0.3787	0.5385
	STANDARD DEV:	40.8	0.1201	0.0384	0.0695
F	3				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	265.7	1.1610	0.4377	0.5741
	STANDARD DEV:	16.3	0.0565	0.0231	0.0345

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

LF KIDNEY

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	4					
		NUMBER IN GROUP:	5	5	5	5
		MEAN:	524.2	2.0510	0.3919	0.9034
		STANDARD DEV:	44.5	0.2638	0.0448	0.1208
M	5					
		NUMBER IN GROUP:	5	5	5	5
		MEAN:	470.3	1.9496	0.4174	0.9001
		STANDARD DEV:	40.1	0.1517	0.0525	0.1341
F	4					
		NUMBER IN GROUP:	5	5	5	5
		MEAN:	246.7	1.1187	0.4531	0.5420
		STANDARD DEV:	17.5	0.1230	0.0345	0.0551
F	5					
		NUMBER IN GROUP:	5	5	5	5
		MEAN:	249.1	1.1562	0.4675	0.5708
		STANDARD DEV:	26.1	0.0619	0.0456	0.0446

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

RT KIDNEY

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	495.5	1.8989	0.3849	0.8647
	STANDARD DEV:	55.9	0.1660	0.0314	0.0988
M	2				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	481.0	1.8373	0.3834	0.8262
	STANDARD DEV:	51.3	0.1452	0.0238	0.0350
M	3				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	434.1	1.9428	0.4487	0.8551
	STANDARD DEV:	31.4	0.1201	0.0321	0.0730
F	1				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	284.0	1.1863	0.4224	0.5792
	STANDARD DEV:	39.2	0.1066	0.0567	0.0548
F	2				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	298.9	1.1307	0.3796	0.5417
	STANDARD DEV:	40.8	0.1396	0.0294	0.0788
F	3				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	265.7	1.1545	0.4347	0.5713
	STANDARD DEV:	16.3	0.0706	0.0131	0.0472

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

RT KIDNEY

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	4	NUMBER IN GROUP:	5	5	5	5
		MEAN:	524.2	2.0560	0.3930	0.9070
		STANDARD DEV:	44.5	0.2362	0.0415	0.1245
M	5	NUMBER IN GROUP:	5	5	5	5
		MEAN:	470.3	1.9357	0.4152	0.8945
		STANDARD DEV:	40.1	0.1823	0.0634	0.1506
F	4	NUMBER IN GROUP:	5	5	5	5
		MEAN:	246.7	1.1446	0.4626	0.5543
		STANDARD DEV:	17.5	0.1468	0.0307	0.0637
F	5	NUMBER IN GROUP:	5	5	5	5
		MEAN:	249.1	1.1993	0.4844	0.5914
		STANDARD DEV:	26.1	0.0960	0.0497	0.0490

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

LIVER

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	495.5	15.8246	3.2105	7.2089
	STANDARD DEV:	55.9	1.1470	0.2501	0.7794
M	2				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	481.0	15.5356	3.2119	6.9828
	STANDARD DEV:	51.3	2.6697	0.2424	1.1308
M	3				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	434.1	14.0264	3.2296	6.1829
	STANDARD DEV:	31.4	1.3506	0.1645	0.7912
F	1				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	284.0	9.2939	3.2663	4.5286
	STANDARD DEV:	39.2	1.5941	0.2219	0.6977
F	2				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	298.9	9.1934	3.0785	4.3942
	STANDARD DEV:	40.8	1.2506	0.1365	0.5841
F	3				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	265.7	8.4060	3.1686	4.1509
	STANDARD DEV:	16.3	0.6870	0.2526	0.2786

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

LIVER

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	4					
		NUMBER IN GROUP:	5	5	5	5
		MEAN:	524.2	18.8254	3.5758	8.3121
		STANDARD DEV:	44.5	3.0304	0.3075	1.5632
M	5					
		NUMBER IN GROUP:	5	5	5	5
		MEAN:	470.3	20.3339*	4.3329*	9.3597*
		STANDARD DEV:	40.1	2.2244	0.4281	1.3157

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
F	4					
		NUMBER IN GROUP:	5	5	5	5
		MEAN:	246.7	8.7074	3.5252	4.2249
		STANDARD DEV:	17.5	1.0293	0.2630	0.5225
F	5					
		NUMBER IN GROUP:	5	5	5	5
		MEAN:	249.1	10.5929	4.2760*	5.2213
		STANDARD DEV:	26.1	0.6685	0.3527	0.3041

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

LUNG

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	495.5	1.9239	0.3910	0.8773
	STANDARD DEV:	55.9	0.1514	0.0406	0.1103
M	2				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	481.0	1.7946	0.3760	0.8099
	STANDARD DEV:	51.3	0.1266	0.0428	0.0776
M	3				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	434.1	1.8522	0.4291	0.8137
	STANDARD DEV:	31.4	0.2526	0.0704	0.1089
F	1				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	284.0	1.4837	0.5274	0.7235
	STANDARD DEV:	39.2	0.1221	0.0581	0.0500
F	2				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	298.9	1.4581	0.4954	0.6992
	STANDARD DEV:	40.8	0.0258	0.0702	0.0644
F	3				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	265.7	1.2902*	0.4859	0.6369
	STANDARD DEV:	16.3	0.1419	0.0476	0.0603

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

LUNG

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	4	NUMBER IN GROUP:	5	5	5	5
		MEAN:	524.2	2.6655	0.5072	1.1500
		STANDARD DEV:	44.5	1.5011	0.2769	0.5633
M	5	NUMBER IN GROUP:	5	5	5	5
		MEAN:	470.3	1.7721	0.3767	0.8107
		STANDARD DEV:	40.1	0.1713	0.0158	0.0351
F	4	NUMBER IN GROUP:	5	5	5	5
		MEAN:	246.7	1.3227*	0.5390	0.6420
		STANDARD DEV:	17.5	0.1112	0.0628	0.0599
F	5	NUMBER IN GROUP:	5	5	5	5
		MEAN:	249.1	1.2912*	0.5210	0.6394
		STANDARD DEV:	26.1	0.1316	0.0596	0.0970

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

LF OVARY

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1	NUMBER IN GROUP:	5			
		MEAN:	495.5			
		STANDARD DEV:	55.9			
M	2	NUMBER IN GROUP:	5			
		MEAN:	481.0			
		STANDARD DEV:	51.3			
M	3	NUMBER IN GROUP:	5			
		MEAN:	434.1			
		STANDARD DEV:	31.4			
F	1	NUMBER IN GROUP:	5	5	5	5
		MEAN:	284.0	0.0807	0.0292	0.0394
		STANDARD DEV:	39.2	0.0147	0.0081	0.0069
F	2	NUMBER IN GROUP:	5	5	5	5
		MEAN:	298.9	0.0707	0.0235	0.0339
		STANDARD DEV:	40.8	0.0169	0.0027	0.0080
F	3	NUMBER IN GROUP:	5	5	5	5
		MEAN:	265.7	0.0674	0.0254	0.0333
		STANDARD DEV:	16.3	0.0094	0.0035	0.0049

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

LF OVARY

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	4					
		NUMBER IN GROUP:	5			
		MEAN:	524.2			
		STANDARD DEV:	44.5			
M	5					
		NUMBER IN GROUP:	5			
		MEAN:	470.3			
		STANDARD DEV:	40.1			
F	4					
		NUMBER IN GROUP:	5	5	5	5
		MEAN:	246.7	0.0768	0.0311	0.0371
		STANDARD DEV:	17.5	0.0129	0.0047	0.0058
F	5					
		NUMBER IN GROUP:	5	5	5	5
		MEAN:	249.1	0.0737	0.0296	0.0362
		STANDARD DEV:	26.1	0.0164	0.0056	0.0068

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

RT OVARY

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1				
	NUMBER IN GROUP:	5			
	MEAN:	495.5			
	STANDARD DEV:	55.9			
M	2				
	NUMBER IN GROUP:	5			
	MEAN:	481.0			
	STANDARD DEV:	51.3			
M	3				
	NUMBER IN GROUP:	5			
	MEAN:	434.1			
	STANDARD DEV:	31.4			
F	1				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	284.0	0.0731	0.0261	0.0358
	STANDARD DEV:	39.2	0.0060	0.0043	0.0040
F	2				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	298.9	0.0700	0.0233	0.0333
	STANDARD DEV:	40.8	0.0180	0.0038	0.0073
F	3				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	265.7	0.0707	0.0266	0.0349
	STANDARD DEV:	16.3	0.0154	0.0053	0.0074

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

RT OVARY

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	4					
		NUMBER IN GROUP:	5			
		MEAN:	524.2			
		STANDARD DEV:	44.5			
M	5					
		NUMBER IN GROUP:	5			
		MEAN:	470.3			
		STANDARD DEV:	40.1			
F	4					
		NUMBER IN GROUP:	5	5	5	5
		MEAN:	246.7	0.0769	0.0310	0.0373
		STANDARD DEV:	17.5	0.0191	0.0066	0.0094
F	5					
		NUMBER IN GROUP:	5	5	5	5
		MEAN:	249.1	0.0699	0.0280	0.0343
		STANDARD DEV:	26.1	0.0086	0.0012	0.0018

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

SPLEEN

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	495.5	0.7759	0.1575	0.3526
	STANDARD DEV:	55.9	0.0794	0.0174	0.0364
M	2				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	481.0	0.7825	0.1612	0.3510
	STANDARD DEV:	51.3	0.1814	0.0229	0.0728
M	3				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	434.1	0.7287	0.1686	0.3201
	STANDARD DEV:	31.4	0.0928	0.0250	0.0404
F	1				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	284.0	0.5129	0.1822	0.2501
	STANDARD DEV:	39.2	0.0444	0.0196	0.0174
F	2				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	298.9	0.5494	0.1845	0.2617
	STANDARD DEV:	40.8	0.1033	0.0302	0.0415
F	3				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	265.7	0.5110	0.1926	0.2529
	STANDARD DEV:	16.3	0.0445	0.0160	0.0275

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

SPLEEN

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	4				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	524.2	0.7046	0.1341	0.3120
	STANDARD DEV:	44.5	0.1067	0.0120	0.0619
M	5				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	470.3	0.7754	0.1650	0.3543
	STANDARD DEV:	40.1	0.0826	0.0135	0.0103

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
F	4				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	246.7	0.4750	0.1930	0.2303
	STANDARD DEV:	17.5	0.0247	0.0099	0.0107
F	5				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	249.1	0.4326*	0.1749	0.2141
	STANDARD DEV:	26.1	0.0310	0.0182	0.0255

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

LF TESTIS

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1	NUMBER IN GROUP:	5	5	5	5
		MEAN:	495.5	1.7498	0.3560	0.7964
		STANDARD DEV:	55.9	0.2466	0.0582	0.1237
M	2	NUMBER IN GROUP:	5	5	5	5
		MEAN:	481.0	1.7146	0.3581	0.7711
		STANDARD DEV:	51.3	0.1818	0.0344	0.0617
M	3	NUMBER IN GROUP:	5	5	5	5
		MEAN:	434.1	1.6809	0.3887	0.7394
		STANDARD DEV:	31.4	0.0700	0.0308	0.0461
F	1	NUMBER IN GROUP:	5			
		MEAN:	284.0			
		STANDARD DEV:	39.2			
F	2	NUMBER IN GROUP:	5			
		MEAN:	298.9			
		STANDARD DEV:	40.8			
F	3	NUMBER IN GROUP:	5			
		MEAN:	265.7			
		STANDARD DEV:	16.3			

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

LF TESTIS

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	4	NUMBER IN GROUP:	5	5	5	5
		MEAN:	524.2	1.6548	0.3177	0.7269
		STANDARD DEV:	44.5	0.1429	0.0390	0.0220
M	5	NUMBER IN GROUP:	5	5	5	5
		MEAN:	470.3	1.6454	0.3504	0.7561
		STANDARD DEV:	40.1	0.1290	0.0163	0.0726
F	4	NUMBER IN GROUP:	5			
		MEAN:	246.7			
		STANDARD DEV:	17.5			
F	5	NUMBER IN GROUP:	5			
		MEAN:	249.1			
		STANDARD DEV:	26.1			

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

RT TESTIS

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	495.5	1.7446	0.3544	0.7945
	STANDARD DEV:	55.9	0.2362	0.0524	0.1246
M	2				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	481.0	1.6989	0.3548	0.7642
	STANDARD DEV:	51.3	0.1610	0.0310	0.0531
M	3				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	434.1	1.6716	0.3863	0.7356
	STANDARD DEV:	31.4	0.0876	0.0289	0.0557
F	1				
	NUMBER IN GROUP:	5			
	MEAN:	284.0			
	STANDARD DEV:	39.2			
F	2				
	NUMBER IN GROUP:	5			
	MEAN:	298.9			
	STANDARD DEV:	40.8			
F	3				
	NUMBER IN GROUP:	5			
	MEAN:	265.7			
	STANDARD DEV:	16.3			

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

RT TESTIS

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	4					
		NUMBER IN GROUP:	5	5	5	5
		MEAN:	524.2	1.6615	0.3190	0.7299
		STANDARD DEV:	44.5	0.1437	0.0402	0.0263
M	5					
		NUMBER IN GROUP:	5	5	5	5
		MEAN:	470.3	1.6738	0.3567	0.7686
		STANDARD DEV:	40.1	0.0932	0.0134	0.0513

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
F	4					
		NUMBER IN GROUP:	5			
		MEAN:	246.7			
		STANDARD DEV:	17.5			
F	5					
		NUMBER IN GROUP:	5			
		MEAN:	249.1			
		STANDARD DEV:	26.1			

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

LF THYROID/PARA

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1				
NUMBER IN GROUP:		5	5	5	5
MEAN:		495.5	0.0162	0.0032	0.0074
STANDARD DEV:		55.9	0.0098	0.0015	0.0046
M	2				
NUMBER IN GROUP:		5	5	5	5
MEAN:		481.0	0.0121	0.0025	0.0054
STANDARD DEV:		51.3	0.0025	0.0004	0.0009
M	3				
NUMBER IN GROUP:		5	5	5	5
MEAN:		434.1	0.0140	0.0033	0.0060
STANDARD DEV:		31.4	0.0091	0.0025	0.0036
F	1				
NUMBER IN GROUP:		5	5	5	5
MEAN:		284.0	0.0069	0.0024	0.0033
STANDARD DEV:		39.2	0.0015	0.0004	0.0006
F	2				
NUMBER IN GROUP:		5	5	5	5
MEAN:		298.9	0.0098	0.0033	0.0047
STANDARD DEV:		40.8	0.0025	0.0006	0.0011
F	3				
NUMBER IN GROUP:		5	5	5	5
MEAN:		265.7	0.0080	0.0030	0.0040
STANDARD DEV:		16.3	0.0028	0.0011	0.0014

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

LF THYROID/PARA

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	4					
		NUMBER IN GROUP:	5	5	5	5
		MEAN:	524.2	0.0143	0.0028	0.0063
		STANDARD DEV:	44.5	0.0045	0.0011	0.0020
M	5					
		NUMBER IN GROUP:	5	5	5	5
		MEAN:	470.3	0.0114	0.0025	0.0053
		STANDARD DEV:	40.1	0.0016	0.0005	0.0013

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
F	4					
		NUMBER IN GROUP:	5	5	5	5
		MEAN:	246.7	0.0091	0.0037*	0.0044
		STANDARD DEV:	17.5	0.0008	0.0005	0.0004
F	5					
		NUMBER IN GROUP:	5	5	5	5
		MEAN:	249.1	0.0077	0.0031*	0.0038
		STANDARD DEV:	26.1	0.0012	0.0003	0.0005

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

RT THYROID/PARA

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1				
NUMBER IN GROUP:		5	5	5	5
MEAN:		495.5	0.0171	0.0034	0.0078
STANDARD DEV:		55.9	0.0080	0.0012	0.0038
M	2				
NUMBER IN GROUP:		5	5	5	5
MEAN:		481.0	0.0132	0.0027	0.0059
STANDARD DEV:		51.3	0.0038	0.0006	0.0016
M	3				
NUMBER IN GROUP:		5	5	5	5
MEAN:		434.1	0.0126	0.0029	0.0055
STANDARD DEV:		31.4	0.0017	0.0005	0.0007
F	1				
NUMBER IN GROUP:		5	5	5	5
MEAN:		284.0	0.0097	0.0035	0.0047
STANDARD DEV:		39.2	0.0033	0.0015	0.0015
F	2				
NUMBER IN GROUP:		5	5	5	5
MEAN:		298.9	0.0110	0.0037	0.0052
STANDARD DEV:		40.8	0.0024	0.0008	0.0008
F	3				
NUMBER IN GROUP:		5	5	5	5
MEAN:		265.7	0.0116	0.0044	0.0057
STANDARD DEV:		16.3	0.0062	0.0023	0.0029

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

RT THYROID/PARA

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	4					
		NUMBER IN GROUP:	5	5	5	5
		MEAN:	524.2	0.0159	0.0031	0.0069
		STANDARD DEV:	44.5	0.0058	0.0013	0.0023
M	5					
		NUMBER IN GROUP:	5	5	5	5
		MEAN:	470.3	0.0104	0.0022	0.0048
		STANDARD DEV:	40.1	0.0014	0.0004	0.0008

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
F	4					
		NUMBER IN GROUP:	5	5	5	5
		MEAN:	246.7	0.0097	0.0039	0.0047
		STANDARD DEV:	17.5	0.0013	0.0005	0.0005
F	5					
		NUMBER IN GROUP:	5	5	5	5
		MEAN:	249.1	0.0095	0.0038	0.0047
		STANDARD DEV:	26.1	0.0011	0.0003	0.0004

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

UTERUS

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1				
	NUMBER IN GROUP:	5			
	MEAN:	495.5			
	STANDARD DEV:	55.9			
M	2				
	NUMBER IN GROUP:	5			
	MEAN:	481.0			
	STANDARD DEV:	51.3			
M	3				
	NUMBER IN GROUP:	5			
	MEAN:	434.1			
	STANDARD DEV:	31.4			
F	1				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	284.0	0.8644	0.3157	0.4244
	STANDARD DEV:	39.2	0.3226	0.1459	0.1667
F	2				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	298.9	0.5986	0.2010	0.2906
	STANDARD DEV:	40.8	0.1521	0.0486	0.0974
F	3				
	NUMBER IN GROUP:	5	5	5	5
	MEAN:	265.7	0.8368	0.3125	0.4173
	STANDARD DEV:	16.3	0.3843	0.1335	0.2021

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

UTERUS

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	4					
		NUMBER IN GROUP:	5			
		MEAN:	524.2			
		STANDARD DEV:	44.5			
M	5					
		NUMBER IN GROUP:	5			
		MEAN:	470.3			
		STANDARD DEV:	40.1			
F	4					
		NUMBER IN GROUP:	5	5	5	5
		MEAN:	246.7	0.9249	0.3815	0.4478
		STANDARD DEV:	17.5	0.3717	0.1685	0.1731
F	5					
		NUMBER IN GROUP:	5	5	5	5
		MEAN:	249.1	0.7984	0.3306	0.3974
		STANDARD DEV:	26.1	0.4389	0.1980	0.2223

Summary of Organ Weight Data

Week 53 Sacrifice

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=3;SUBSET=ALL

LF ADRENAL

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1	NUMBER IN GROUP:	9	9	9	9
		MEAN:	713.4	0.0313	0.0044	0.0135
		STANDARD DEV:	105.5	0.0076	0.0010	0.0036
M	5	NUMBER IN GROUP:	9	9	9	9
		MEAN:	668.6	0.0263	0.0040	0.0112
		STANDARD DEV:	142.5	0.0046	0.0008	0.0018
F	1	NUMBER IN GROUP:	10	10	10	10
		MEAN:	414.5	0.0501	0.0129	0.0235
		STANDARD DEV:	101.9	0.0290	0.0091	0.0135
F	5	NUMBER IN GROUP:	10	10	10	10
		MEAN:	331.9*	0.0311*	0.0095	0.0141*
		STANDARD DEV:	39.7	0.0053	0.0022	0.0024

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=3;SUBSET=ALL

RT ADRENAL

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1	NUMBER IN GROUP:	9	9	9	9
		MEAN:	713.4	0.0275	0.0039	0.0119
		STANDARD DEV:	105.5	0.0060	0.0010	0.0028
M	5	NUMBER IN GROUP:	9	9	9	9
		MEAN:	668.6	0.0262	0.0040	0.0111
		STANDARD DEV:	142.5	0.0031	0.0007	0.0011
F	1	NUMBER IN GROUP:	10	10	10	10
		MEAN:	414.5	0.0368	0.0093	0.0172
		STANDARD DEV:	101.9	0.0072	0.0027	0.0032
F	5	NUMBER IN GROUP:	10	10	10	10
		MEAN:	331.9*	0.0318	0.0097	0.0144*
		STANDARD DEV:	39.7	0.0037	0.0016	0.0019

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=3;SUBSET=ALL

BRAIN

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1				
NUMBER IN GROUP:		9	9	9	9
MEAN:		713.4	2.3308	0.3320	1.0000
STANDARD DEV:		105.5	0.1344	0.0442	0.0000
M	5				
NUMBER IN GROUP:		9	9	9	9
MEAN:		668.6	2.3485	0.3644	1.0000
STANDARD DEV:		142.5	0.0730	0.0722	0.0000
F	1				
NUMBER IN GROUP:		10	10	10	10
MEAN:		414.5	2.1293	0.5376	1.0000
STANDARD DEV:		101.9	0.0884	0.1129	0.0000
F	5				
NUMBER IN GROUP:		10	10	10	10
MEAN:		331.9*	2.2148	0.6752*	1.0000
STANDARD DEV:		39.7	0.1036	0.0817	0.0000

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=3;SUBSET=ALL

LF KIDNEY

SEX	DOSE GROUP	TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1				
	NUMBER IN GROUP:	9	9	9	9
	MEAN:	713.4	2.3449	0.3327	1.0078
	STANDARD DEV:	105.5	0.1955	0.0397	0.0857
M	5				
	NUMBER IN GROUP:	9	9	9	9
	MEAN:	668.6	2.4193	0.3712	1.0322
	STANDARD DEV:	142.5	0.2614	0.0597	0.1260
F	1				
	NUMBER IN GROUP:	10	10	10	10
	MEAN:	414.5	1.3621	0.3357	0.6391
	STANDARD DEV:	101.9	0.2284	0.0458	0.1000
F	5				
	NUMBER IN GROUP:	10	10	10	10
	MEAN:	331.9*	1.3638	0.4149*	0.6171
	STANDARD DEV:	39.7	0.1321	0.0532	0.0668

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=3;SUBSET=ALL

RT KIDNEY

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1	NUMBER IN GROUP:	9	9	9	9
		MEAN:	713.4	2.3577	0.3340	1.0129
		STANDARD DEV:	105.5	0.2008	0.0348	0.0842
M	5	NUMBER IN GROUP:	9	9	9	9
		MEAN:	668.6	2.4080	0.3690	1.0271
		STANDARD DEV:	142.5	0.2312	0.0529	0.1109
F	1	NUMBER IN GROUP:	10	10	10	10
		MEAN:	414.5	1.4200	0.3498	0.6665
		STANDARD DEV:	101.9	0.2361	0.0447	0.1046
F	5	NUMBER IN GROUP:	10	10	10	10
		MEAN:	331.9*	1.3769	0.4193*	0.6224
		STANDARD DEV:	39.7	0.1375	0.0574	0.0631

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=3;SUBSET=ALL

LIVER

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1					
		NUMBER IN GROUP:	9	9	9	9
		MEAN:	713.4	20.0275	2.8113	8.6130
		STANDARD DEV:	105.5	3.0980	0.2044	1.4054
M	5					
		NUMBER IN GROUP:	9	9	9	9
		MEAN:	668.6	26.6325*	4.0039*	11.3659*
		STANDARD DEV:	142.5	5.5590	0.5449	2.4751
F	1					
		NUMBER IN GROUP:	10	10	10	10
		MEAN:	414.5	11.5769	2.8031	5.4312
		STANDARD DEV:	101.9	3.0344	0.3109	1.3763
F	5					
		NUMBER IN GROUP:	10	10	10	10
		MEAN:	331.9*	13.8907	4.2047*	6.2883
		STANDARD DEV:	39.7	1.8568	0.5156	0.8921

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=3;SUBSET=ALL

LUNG

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1	NUMBER IN GROUP:	9	9	9	9
		MEAN:	713.4	2.1599	0.3061	0.9293
		STANDARD DEV:	105.5	0.2545	0.0413	0.1174
M	5	NUMBER IN GROUP:	9	9	9	9
		MEAN:	668.6	2.0477	0.3151	0.8719
		STANDARD DEV:	142.5	0.1879	0.0524	0.0758
F	1	NUMBER IN GROUP:	10	10	10	10
		MEAN:	414.5	1.6819	0.4215	0.7913
		STANDARD DEV:	101.9	0.2502	0.0901	0.1262
F	5	NUMBER IN GROUP:	10	10	10	10
		MEAN:	331.9*	1.5740	0.4797	0.7114
		STANDARD DEV:	39.7	0.0922	0.0598	0.0433

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=3;SUBSET=ALL

LF OVARY

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1	NUMBER IN GROUP:	9			
		MEAN:	713.4			
		STANDARD DEV:	105.5			
M	5	NUMBER IN GROUP:	9			
		MEAN:	668.6			
		STANDARD DEV:	142.5			
F	1	NUMBER IN GROUP:	10	10	10	10
		MEAN:	414.5	0.0562	0.0138	0.0265
		STANDARD DEV:	101.9	0.0192	0.0045	0.0092
F	5	NUMBER IN GROUP:	10	10	10	10
		MEAN:	331.9*	0.0557	0.0170	0.0253
		STANDARD DEV:	39.7	0.0123	0.0040	0.0061

Summary of Organ Weight Data

Week 53 Sacrifice

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=3;SUBSET=ALL

RT OVARY

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1	NUMBER IN GROUP:	9			
		MEAN:	713.4			
		STANDARD DEV:	105.5			
M	5	NUMBER IN GROUP:	9			
		MEAN:	668.6			
		STANDARD DEV:	142.5			
F	1	NUMBER IN GROUP:	10	10	10	10
		MEAN:	414.5	0.1357	0.0321	0.0630
		STANDARD DEV:	101.9	0.2404	0.0549	0.1107
F	5	NUMBER IN GROUP:	10	10	10	10
		MEAN:	331.9*	0.0561	0.0171	0.0254
		STANDARD DEV:	39.7	0.0129	0.0044	0.0062

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=3;SUBSET=ALL

SPLEEN

SEX DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1				
NUMBER IN GROUP:		9	9	9	9
MEAN:		713.4	0.9792	0.1382	0.4208
STANDARD DEV:		105.5	0.0975	0.0100	0.0427
M	5				
NUMBER IN GROUP:		9	9	9	9
MEAN:		668.6	0.8287*	0.1252*	0.3529*
STANDARD DEV:		142.5	0.1514	0.0133	0.0635
F	1				
NUMBER IN GROUP:		10	10	10	10
MEAN:		414.5	0.5577	0.1368	0.2611
STANDARD DEV:		101.9	0.1021	0.0178	0.0419
F	5				
NUMBER IN GROUP:		10	10	10	10
MEAN:		331.9*	0.5491	0.1650*	0.2468
STANDARD DEV:		39.7	0.1344	0.0306	0.0537

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=3;SUBSET=ALL

LF TESTIS

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1	NUMBER IN GROUP:	9	9	9	9
		MEAN:	713.4	1.8551	0.2641	0.7968
		STANDARD DEV:	105.5	0.3741	0.0658	0.1645
M	5	NUMBER IN GROUP:	9	9	9	9
		MEAN:	668.6	1.6414	0.2531	0.6995
		STANDARD DEV:	142.5	0.3094	0.0628	0.1325
F	1	NUMBER IN GROUP:	10			
		MEAN:	414.5			
		STANDARD DEV:	101.9			
F	5	NUMBER IN GROUP:	10			
		MEAN:	331.9*			
		STANDARD DEV:	39.7			

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=3;SUBSET=ALL

RT TESTIS

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1	NUMBER IN GROUP:	9	9	9	9
		MEAN:	713.4	1.8759	0.2683	0.8100
		STANDARD DEV:	105.5	0.1801	0.0491	0.1189
M	5	NUMBER IN GROUP:	9	9	9	9
		MEAN:	668.6	1.6551	0.2560	0.7054
		STANDARD DEV:	142.5	0.2786	0.0631	0.1203
F	1	NUMBER IN GROUP:	10			
		MEAN:	414.5			
		STANDARD DEV:	101.9			
F	5	NUMBER IN GROUP:	10			
		MEAN:	331.9*			
		STANDARD DEV:	39.7			

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=3;SUBSET=ALL

LF THYROID/PARA

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1	NUMBER IN GROUP:	9	9	9	9
		MEAN:	713.4	0.0246	0.0035	0.0106
		STANDARD DEV:	105.5	0.0060	0.0008	0.0027
M	5	NUMBER IN GROUP:	9	9	9	9
		MEAN:	668.6	0.0195*	0.0029	0.0083*
		STANDARD DEV:	142.5	0.0041	0.0004	0.0018
F	1	NUMBER IN GROUP:	10	10	10	10
		MEAN:	414.5	0.0136	0.0034	0.0065
		STANDARD DEV:	101.9	0.0062	0.0018	0.0034
F	5	NUMBER IN GROUP:	10	10	10	10
		MEAN:	331.9*	0.0115	0.0034	0.0052
		STANDARD DEV:	39.7	0.0036	0.0010	0.0016

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=3;SUBSET=ALL

RT THYROID/PARA

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1	NUMBER IN GROUP:	9	9	9	9
		MEAN:	713.4	0.0249	0.0035	0.0107
		STANDARD DEV:	105.5	0.0048	0.0007	0.0018
M	5	NUMBER IN GROUP:	9	9	9	9
		MEAN:	668.6	0.0240	0.0036	0.0102
		STANDARD DEV:	142.5	0.0093	0.0013	0.0040
F	1	NUMBER IN GROUP:	10	10	10	10
		MEAN:	414.5	0.0148	0.0037	0.0070
		STANDARD DEV:	101.9	0.0039	0.0011	0.0019
F	5	NUMBER IN GROUP:	10	10	10	10
		MEAN:	331.9*	0.0124	0.0038	0.0056
		STANDARD DEV:	39.7	0.0046	0.0014	0.0021

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=3;SUBSET=ALL

UTERUS

SEX	DOSE GROUP		TERMINAL BODY WT (g)	ORGAN WEIGHT (g)	ORGAN-TO-BODY WT (%)	ORGAN-TO-BRAIN WT RATIO
M	1	NUMBER IN GROUP:	9			
		MEAN:	713.4			
		STANDARD DEV:	105.5			
M	5	NUMBER IN GROUP:	9			
		MEAN:	668.6			
		STANDARD DEV:	142.5			
F	1	NUMBER IN GROUP:	10	10	10	10
		MEAN:	414.5	1.0175	0.2557	0.4771
		STANDARD DEV:	101.9	0.3207	0.0951	0.1461
F	5	NUMBER IN GROUP:	10	10	10	10
		MEAN:	331.9*	1.0062	0.3111	0.4587
		STANDARD DEV:	39.7	0.3090	0.1154	0.1545

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

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
SEX:		----------MALE----------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-5-	-1-	-2-	-3-	-4-	-5-
NUMBER:		5	5	5	5	5	5	5	5	5	5
** TOP OF LIST **											
GENERAL COMMENT (GC)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5	5	5
NO MACROSCOPIC LESIONS		3	1	4	3	3	2	5	4	2	3
BONE MARROW SMEAR TAKEN		4	5	5	5	5	5	5	5	5	5
MALOCCLUSION		0	0	0	0	1	0	0	0	0	0
KIDNEY (KD)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	4	4	4	4	4	5	5	4	5
CYST(S)		0	0	0	0	0	1	0	0	0	0
LARGE PELVIS(ES)		0	1	1	1	1	0	0	0	1	0
GRANULAR MATERIAL		0	0	0	0	0	0	0	0	1	0
UTERUS (UT)	NUMBER EXAMINED:	0	0	0	0	0	5	5	5	5	5
	NOT REMARKABLE:	0	0	0	0	0	3	5	4	3	3
LUMEN FILLED WITH FLUID		0	0	0	0	0	2	0	1	2	2
THYMUS (TH)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	4	5	5	5	4	5	5	5	5	5
RED FOCUS(I)/AREA(S)		1	0	0	0	1	0	0	0	0	0

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

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
SEX:		----------MALE---------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-5-	-1-	-2-	-3-	-4-	-5-
NUMBER:		5	5	5	5	5	5	5	5	5	5
HARDERIAN GLAND (HG)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	4	5	5	5	5	5	5	5	5
MISSING/NOT IDENTIFIED		0	1	0	0	0	0	0	0	0	0
STOMACH, GL (ST)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	4	5	5	5	4	5	5	5	4
DARK FOCUS(I)/AREA(S)		0	1	0	0	0	1	0	0	0	1
LN, MANDIBULAR (MN)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	4	2	5	4	5	5	5	5	5	5
DIFFUSELY RED		1	3	0	1	0	0	0	0	0	0

** END OF LIST **

Incidence of Macroscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-5-	-1-	-5-
NUMBER:		10	9	10	10
** TOP OF LIST **					
GENERAL COMMENT (GC)	NUMBER EXAMINED:	10	9	10	10
NO MACROSCOPIC LESIONS		5	3	1	2
BONE MARROW SMEAR TAKEN		10	9	10	10
MALOCCLUSION		1	1	2	0
ANIMAL OBESE		2	1	0	0
EYE (EY)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
BRAIN (BR)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	9	10
COMPRESSED (HYPOTHALAMUS)		0	0	1	0
LIVER (LI)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	9
DIFFUSELY DARK		0	0	0	1
KIDNEY (KD)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
	SEX:	--MALE--		-FEMALE-	
	GROUP:	-1-	-5-	-1-	-5-
	NUMBER:	10	9	10	10
SPLEEN (SP)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	9
CYST(S)		0	0	0	1
PANCREAS (PA)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	9	10
MASS(ES)		0	0	1	0
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	8	10
LARGE		0	0	1	0
CYST(S)		0	0	1	0
ADRENAL, MEDULLA (MA)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
LN, MESENTERIC (MS)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-5-	-1-	-5-
NUMBER:		10	9	10	10
UTERUS (UT)	NUMBER EXAMINED:	0	0	10	10
	NOT REMARKABLE:	0	0	9	9
LUMEN FILLED WITH FLUID		0	0	0	1
THICKENED WALL		0	0	1	0
TESTIS (TE)	NUMBER EXAMINED:	10	9	0	0
	NOT REMARKABLE:	9	8	0	0
SMALL		1	1	0	0
BONE, FEMUR (FE)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
MARROW, FEMUR (FM)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
MARROW, STERNUM (SE)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
BONE, STERNUM (SB)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10

Incidence of Macroscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-5-	-1-	-5-
NUMBER:		10	9	10	10
SPINAL CORD (SC)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
THYMUS (TH)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	8	10	10
LARGE		0	1	0	0
GELATINOUS		0	1	0	0
LUNG (LU)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	9	9	10	8
LIGHT FOCUS(I)/AREA(S)		0	0	0	2
DARK FOCUS(I)/AREA(S)		1	0	0	0
HEART (HT)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
MUSCLE, SKELETAL (SM)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
NERVE, SCIATIC (SN)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10

Incidence of Macroscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-5-	-1-	-5-
NUMBER:		10	9	10	10
TRACHEA (TR)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
ESOPHAGUS (ES)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
THYROID (TY)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
PARATHYROID (PT)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
PITUITARY (PI)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	9	8	6	4
LARGE		0	0	2	3
DARK FOCUS(I)/AREA(S)		0	0	2	0
RED FOCUS(I)/AREA(S)		1	0	0	2
RAISED AREA(S)		0	0	0	1
CYST(S)		0	1	0	0
HARDERIAN GLAND (HG)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10

Incidence of Macroscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-5-	-1-	-5-
NUMBER:		10	9	10	10
SALIV GL, MANDIB (SG)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
STOMACH, GL (ST)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	7	10	10
RED FOCUS(I)/AREA(S)		0	1	0	0
THICKENED WALL		0	1	0	0
STOMACH, NONGL (SU)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	8	10	10
THICKENED WALL		0	1	0	0
DUODENUM (DU)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
JEJUNUM (JE)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
ILEUM (IL)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-5-	-1-	-5-
NUMBER:		10	9	10	10
CECUM (CE)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
COLON (CO)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
RECTUM (RE)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
SKIN (SK)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	8	10
CRUSTED AREA(S)		0	0	2	0
LIGHT AREA(S)/FOCUS(I)		0	0	1	0
MAMMARY, FEMALE (MF)	NUMBER EXAMINED:	0	0	10	10
	NOT REMARKABLE:	0	0	6	10
MASS(ES)		0	0	1	0
THICKENED		0	0	1	0
CYST(S)		0	0	2	0
URINARY BLADDER (UB)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10

Incidence of Macroscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-5-	-1-	-5-
NUMBER:		10	9	10	10
CERVIX (CV)	NUMBER EXAMINED:	0	0	10	10
	NOT REMARKABLE:	0	0	9	10
MASS(ES)		0	0	1	0
OVARY (OV)	NUMBER EXAMINED:	0	0	10	10
	NOT REMARKABLE:	0	0	9	10
CYST(S)		0	0	1	0
VAGINA (VA)	NUMBER EXAMINED:	0	0	10	10
	NOT REMARKABLE:	0	0	10	10
PROSTATE (PR)	NUMBER EXAMINED:	10	9	0	0
	NOT REMARKABLE:	10	9	0	0
SEMINAL VESICLES (SV)	NUMBER EXAMINED:	10	9	0	0
	NOT REMARKABLE:	10	9	0	0
EPIDIDYMIDES (EP)	NUMBER EXAMINED:	10	9	0	0
	NOT REMARKABLE:	10	9	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
	SEX:	--MALE--		-FEMALE-	
	GROUP:	-1-	-5-	-1-	-5-
	NUMBER:	10	9	10	10
CAVITY, THORACIC (TA)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
TAIL (TI)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
LN, MANDIBULAR (MN)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	9	9	8	9
DIFFUSELY RED		0	0	2	1
MOTTLED		1	0	0	0
LN, MEDIASTINAL (ML)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
LN, AXILLARY (AX)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
LN, INGUINAL (IN)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10

Incidence of Macroscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-5-	-1-	-5-
NUMBER:		10	9	10	10
LN, OTHER (LN)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
LN, RENAL (RL)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
MAMMARY, MALE (MM)	NUMBER EXAMINED:	10	9	0	0
	NOT REMARKABLE:	10	9	0	0
COAGULATING GL (CG)	NUMBER EXAMINED:	10	9	0	0
	NOT REMARKABLE:	10	9	0	0
LN, ANT MES/PANC (AP)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
PREPUTIAL GLAND (PG)	NUMBER EXAMINED:	10	9	0	0
	NOT REMARKABLE:	10	9	0	0
CAVITY, ABDOM (PC)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10

Incidence of Macroscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-5-	-1-	-5-
NUMBER:		10	9	10	10
AORTA (AO)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
FOOT/FOOTPAD (FP)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
AUDITORY SEB GL (AS)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
CALVARIUM/SKULL (CA)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
LN, LUMBAR/ILIAC (LM)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
URETER (UE)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
JOINT, OTHER (JT)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-5-	-1-	-5-
NUMBER:		10	9	10	10
ADIPOSE TISSUE (AT)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
VAS DEFERENS (VS)	NUMBER EXAMINED:	10	9	0	0
	NOT REMARKABLE:	10	9	0	0
DIAPHRAGM (DP)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
LN, POPLITEAL (PP)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
PERICARDIAL SAC (PD)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
ARTERY, OTHER (AU)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
AORTIC ARCH (AA)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10

Incidence of Macroscopic Observations

Week 53 Sacrifice

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-5-	-1-	-5-
NUMBER:		10	9	10	10
LN, ILEOCECAL (IC)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
LN, TRACHEOBRON (TB)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
MUSCLE, OTHER (MO)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
PINNA (PN)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
BILE DUCT (BD)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
TRIGEMINAL NERVE (TG)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
CLITORAL GLAND (CL)	NUMBER EXAMINED:	0	0	10	10
	NOT REMARKABLE:	0	0	10	10

** END OF LIST **

Incidence of Macroscopic Observations

All Animals

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

	--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---											
SEX:	----------MALE----------						----------FEMALE----------					
GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
ORGAN AND KEYWORD(S) OR PHRASE NUMBER:	70	60	60	60	70	40	70	60	60	60	70	40
** TOP OF LIST **												
GENERAL COMMENT (GC) ..... NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
NO MACROSCOPIC LESIONS	19	6	9	9	11	0	8	10	9	8	10	0
BLOOD FILM TAKEN	34	39	39	38	38	29	47	46	44	40	45	33
TAIL - BENT/MISSING	0	0	0	0	0	1	1	0	1	1	0	0
BONE MARROW SMEAR TAKEN	25	15	22	30	35	10	39	20	14	20	40	17
MALOCCLUSION	3	6	5	3	5	4	12	11	5	10	5	6
TEETH MISSING/BROKEN/WORN	2	5	2	1	3	4	2	3	1	3	5	0
DISCHARGE-OCULAR	11	15	8	16	9	10	11	13	22	9	14	7
ANIMAL THIN	5	12	10	5	3	5	12	12	15	13	16	8
STAINS-PERINEUM/PERIANAL	3	4	2	2	4	6	1	4	7	2	3	1
FLUID-THORACIC CAVITY	0	1	0	0	1	1	0	0	0	1	0	0
GI TRACT-LARGE LUMEN	1	0	0	1	2	0	0	0	1	0	1	1
DISCHARGE-NASAL	3	3	0	6	1	1	2	3	3	1	6	0
URINARY BLADDER-LARGE LUMEN	2	1	0	2	3	0	1	1	0	0	0	0
ANIMAL OBESE	9	3	6	7	7	4	2	1	2	1	1	4
DISCHARGE-ORAL	1	4	0	1	0	1	0	1	1	0	0	0
AUTOLYSIS-SEVERE	0	0	0	0	0	0	0	0	0	0	1	0
FLUID-ABDOMINAL CAVITY	0	0	0	0	2	1	0	0	0	0	0	0
PALE MUCOUS MEMBRANES	0	0	0	0	1	0	0	0	0	0	0	0
STAINS - SKIN/HAIRCOAT	3	0	1	4	3	1	3	3	1	3	0	2
GI TRACT-DARK FLUID CONTENT	1	0	1	0	1	1	1	0	1	0	2	0
GI TRACT-DARK DRY CONTENT	0	0	0	0	0	0	0	0	0	1	0	0
YELLOWISH MUCOUS MEMBRANES	0	0	0	0	0	0	0	0	0	1	0	0
TRACHEA-CONTENT FOAMY MATTER	0	1	0	0	0	0	0	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

ORGAN AND KEYWORD(S) OR PHRASE		--- NUMBER-OF-ANIMALS-AFFECTED ---											
SEX:		----------MALE----------						----------FEMALE----------					
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
NUMBER:		70	60	60	60	70	40	70	60	60	60	70	40
EYE (EY)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	70	59	59	60	70	40	70	60	59	60	69	39
OPAQUE CORNEA		0	0	1	0	0	0	0	0	0	0	0	1
PROTRUDING		0	0	1	0	0	0	0	0	0	0	1	0
LARGE		0	0	1	0	0	0	0	0	0	0	0	0
WHITE INTRAOCULAR MATERIAL		0	1	0	0	0	0	0	0	0	0	0	0
ROUGHENED CORNEA		0	0	0	0	0	0	0	0	1	0	0	0
BRAIN (BR)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	45	38	27	36	51	19	32	24	18	22	39	17
COMPRESSED (HYPOTHALAMUS)		25	20	33	24	19	21	38	36	42	37	31	23
MASS(ES)		0	1	0	0	0	0	0	0	0	0	0	0
RED FOCUS(I)/AREA(S)		0	0	0	0	0	0	0	0	0	1	0	0
DEPRESSED AREA(S)		0	1	0	0	0	0	0	0	0	0	0	0
LIVER (LI)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	59	49	42	47	46	22	57	47	49	43	50	27
LARGE		1	2	2	0	6	0	0	1	1	3	2	2
MOTTLED		2	1	2	3	8	4	0	5	1	5	2	1
DIFFUSELY DARK		0	1	0	0	1	0	0	0	1	0	5	1
HEPATIC ANOMALY (LOBULE)		0	0	1	0	0	0	0	0	0	0	0	1
LIGHT FOCUS(I)/AREA(S)		0	6	6	4	10	1	3	0	1	5	6	1
MASS(ES)		0	0	2	1	2	1	0	1	0	2	3	0
ROUGH SURFACE, DIFFUSE		1	0	0	0	1	1	0	0	0	3	1	0

Incidence of Macroscopic Observations

All Animals

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---											
	SEX:	----------MALE----------						----------FEMALE----------					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	70	60	60	60	70	40	70	60	60	60	70	40
** FROM PREVIOUS PAGE **													
LIVER (LI)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	59	49	42	47	46	22	57	47	49	43	50	27
DIFFUSELY LIGHT		1	2	3	1	1	5	1	1	1	4	1	2
RED FOCUS(I)/AREA(S)		5	2	6	5	2	8	12	6	7	4	4	7
CYST(S)		0	0	0	0	1	1	1	1	1	1	1	1
DARK FOCUS(I)/AREA(S)		3	0	0	0	0	0	0	0	0	2	0	0
RAISED FOCUS(I)/AREA(S)		0	0	0	0	0	0	0	0	0	0	3	0
ADHESION(S)		0	0	0	0	0	1	0	0	0	0	0	0
KIDNEY (KD)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	63	48	51	49	54	27	62	54	53	53	66	35
CYST(S)		1	2	4	2	0	3	3	1	1	1	0	0
LARGE PELVIS(ES)		2	4	3	5	8	6	3	2	3	1	2	2
GRANULAR MATERIAL		0	0	1	2	0	3	0	2	3	2	0	1
ROUGH SURFACE, DIFFUSE		3	10	5	6	5	3	0	0	0	2	1	0
DIFFUSELY DARK		0	0	0	0	1	0	1	1	0	2	1	1
MASS(ES)		0	0	0	0	1	1	1	0	1	0	0	1
MOTTLED		0	1	1	0	3	0	0	0	0	2	0	0
LARGE		2	2	0	1	3	1	0	0	0	1	0	0
DEPRESSED FOCUS(I)/AREA(S)		0	0	0	0	0	1	0	0	0	0	0	0
DIFFUSELY LIGHT		0	4	4	3	2	4	2	1	1	1	0	1
LIGHT FOCUS(I)/AREA(S)		1	0	0	1	0	0	0	0	0	0	0	0
SEMIFLUID MATERIAL-PELVIS		0	0	0	0	0	1	0	0	0	0	0	0
SMALL		0	0	0	0	0	1	0	0	0	0	0	0

Incidence of Macroscopic Observations

All Animals

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

ORGAN AND KEYWORD(S) OR PHRASE		--- NUMBER-OF-ANIMALS-AFFECTED ---											
SEX:		----------MALE----------						----------FEMALE----------					
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
NUMBER:		70	60	60	60	70	40	70	60	60	60	70	40
SPLEEN (SP)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	67	59	59	60	66	34	66	55	59	56	62	38
LARGE		1	1	0	0	2	1	3	4	1	4	2	1
SMALL		0	0	0	0	2	1	0	0	0	0	4	1
CYST(S)		0	0	0	0	0	0	0	0	0	0	2	0
DIFFUSELY LIGHT		0	0	1	0	0	1	0	1	0	0	0	0
IRREGULAR SHAPE		0	0	0	0	0	0	1	0	0	0	0	0
LIGHT FOCUS(I)/AREA(S)		1	0	0	0	0	0	1	1	0	0	0	0
ADHESION(S)		2	0	0	0	0	1	1	1	0	1	0	0
MASS(ES)		0	0	0	0	0	2	0	0	0	0	0	0
MASS #2		0	0	0	0	0	1	0	0	0	0	0	0
MOTTLED		0	0	0	0	0	0	0	1	0	0	0	0
PANCREAS (PA)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	68	58	56	57	67	36	69	60	58	60	69	40
MASS(ES)		1	2	2	1	3	2	1	0	2	0	0	0
DIFFUSELY RED		0	0	0	1	0	0	0	0	0	0	0	0
LARGE VESSELS		1	0	2	1	0	2	0	0	0	0	0	0
GELATINOUS		0	0	0	0	0	0	0	0	0	0	1	0
LIGHT FOCUS(I)/AREA(S)		0	0	0	0	0	0	0	0	0	0	1	0
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	68	52	57	58	65	37	52	41	49	43	56	32
LARGE		2	6	3	2	3	0	15	17	7	14	9	6

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---											
	SEX:	----------MALE----------						----------FEMALE----------					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
	NUMBER:	70	60	60	60	70	40	70	60	60	60	70	40
** FROM PREVIOUS PAGE **													
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	68	52	57	58	65	37	52	41	49	43	56	32
MASS(ES)		0	0	0	0	1	1	1	2	0	1	0	0
CYST(S)		0	1	0	0	0	0	1	0	0	1	0	0
DIFFUSELY RED		0	0	0	0	0	1	1	0	2	1	1	0
SMALL		0	1	0	0	0	0	1	0	1	0	2	2
DARK FOCUS(I)/AREA(S)		0	0	0	0	0	0	1	0	1	1	0	1
RED FOCUS(I)/AREAS(I)		0	0	0	0	0	0	0	1	1	2	3	0
MOTTLED		1	0	0	0	0	0	1	3	1	1	2	0
IRREGULAR SHAPE		0	0	0	0	0	0	0	1	0	0	0	0
MISSING/NOT IDENTIFIED		0	0	0	0	0	1	0	0	0	0	0	0
DIFFUSELY DARK		0	0	0	0	1	0	1	0	0	0	2	0
ADRENAL, MEDULLA (MA)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	70	60	60	60	70	40	70	60	60	60	70	40
LN, MESENTERIC (MS)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	70	58	58	58	68	40	68	56	59	56	67	39
LARGE		0	1	0	2	1	0	0	1	0	1	2	0
DIFFUSELY RED		0	1	0	1	1	0	0	1	0	2	2	0
MOTTLED		0	0	1	0	0	0	0	0	0	1	0	0
DIFFUSELY DARK		0	0	0	0	0	0	2	2	1	1	0	1
SMALL		0	0	1	0	0	0	0	0	0	0	0	0
MASS(ES)		0	0	0	0	1	0	0	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

ORGAN AND KEYWORD(S) OR PHRASE		--- NUMBER-OF-ANIMALS-AFFECTED ---											
	SEX:	----------MALE----------						----------FEMALE----------					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
	NUMBER:	70	60	60	60	70	40	70	60	60	60	70	40
UTERUS (UT)	NUMBER EXAMINED:	0	0	0	0	0	0	70	60	60	60	70	40
	NOT REMARKABLE:	0	0	0	0	0	0	57	47	45	41	57	30
LUMEN FILLED WITH FLUID		0	0	0	0	0	0	2	1	3	2	3	1
THICKENED WALL		0	0	0	0	0	0	2	3	2	2	2	5
CYST(S)		0	0	0	0	0	0	9	8	9	11	6	4
DIFFUSELY RED		0	0	0	0	0	0	0	0	1	0	0	0
MASS(ES)		0	0	0	0	0	0	1	2	2	5	2	2
LARGE, DIFFUSE		0	0	0	0	0	0	0	1	0	0	0	1
TESTIS (TE)	NUMBER EXAMINED:	70	60	60	60	70	40	0	0	0	0	0	0
	NOT REMARKABLE:	61	51	52	50	59	35	0	0	0	0	0	0
SMALL		8	5	5	9	8	3	0	0	0	0	0	0
CONTAINS FLUID		1	4	3	0	1	1	0	0	0	0	0	0
MASS(ES)		0	0	0	0	0	1	0	0	0	0	0	0
RED/YELLOW FOCUS(I)/AREA(S)		1	1	0	1	1	0	0	0	0	0	0	0
DIFFUSELY RED		0	0	0	0	1	0	0	0	0	0	0	0
LARGE		0	2	1	0	2	0	0	0	0	0	0	0
MOTTLED		0	0	0	0	1	0	0	0	0	0	0	0
BONE, FEMUR (FE)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	70	60	60	60	70	40	70	60	60	60	70	40
MARROW, FEMUR (FM)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	70	60	60	60	70	40	70	60	60	60	70	40

Incidence of Macroscopic Observations

All Animals

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

ORGAN AND KEYWORD(S) OR PHRASE		--- NUMBER-OF-ANIMALS-AFFECTED ---											
	SEX:	----------MALE----------						----------FEMALE----------					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
	NUMBER:	70	60	60	60	70	40	70	60	60	60	70	40
MARROW, STERNUM (SE)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	70	60	60	60	70	40	70	60	60	60	70	40
BONE, STERNUM (SB)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	70	60	60	60	70	40	70	60	60	60	70	40
SPINAL CORD (SC)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	70	59	60	60	70	40	70	60	60	60	70	40
FRACTURE(S)		0	1	0	0	0	0	0	0	0	0	0	0
THYMUS (TH)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	66	58	57	59	68	37	68	59	56	58	69	37
RED FOCUS(I)/AREA(S)		1	0	0	0	1	1	0	0	2	0	0	1
LARGE		0	0	0	0	1	0	0	0	0	0	0	0
MASS(ES)		1	1	0	0	0	0	1	0	0	0	0	1
GELATINOUS		0	0	1	0	1	0	1	0	0	0	0	0
MISSING/NOT IDENTIFIED		2	1	2	1	0	2	0	1	2	2	1	1
LUNG (LU)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	66	57	58	57	67	34	68	56	56	55	55	35
MASS(ES)		1	0	0	1	0	2	0	0	1	2	0	1
RED FOCUS(I)/AREA(S)		0	0	0	1	0	0	0	1	0	1	0	1

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---											
	SEX:	----------MALE----------						----------FEMALE----------					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
	NUMBER:	70	60	60	60	70	40	70	60	60	60	70	40
** FROM PREVIOUS PAGE **													
LUNG (LU)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	66	57	58	57	67	34	68	56	56	55	55	35
LIGHT FOCUS(I)/AREA(S)		0	1	1	0	2	1	1	1	1	2	14	2
DARK FOCUS(I)/AREA(S)		1	0	0	0	1	0	0	0	0	0	0	0
DIFFUSELY RED		1	0	0	0	0	0	1	0	0	0	0	0
MOTTLED		1	1	0	1	0	2	0	0	1	0	0	0
UNCOLLAPSED		0	1	0	0	0	3	0	2	1	0	0	0
DIFFUSELY LIGHT		0	0	1	0	0	0	0	0	0	0	0	0
RAISED FOCUS(I)/AREA(S)		0	0	0	0	0	0	0	0	0	0	0	1
ADHESION(S)		0	0	0	0	0	0	0	0	0	1	1	0
HEART (HT)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	70	57	58	60	70	37	70	60	60	59	70	40
LARGE		0	0	0	0	0	1	0	0	0	1	0	0
DIFFUSELY LIGHT		0	1	0	0	0	0	0	0	0	1	0	0
MASS(ES)		0	1	0	0	0	0	0	0	0	0	0	0
LIGHT FOCUS(I)/AREA(S)		0	1	2	0	0	2	0	0	0	0	0	0
MUSCLE, SKELETAL (SM)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	68	60	59	59	69	40	70	60	60	59	69	40
MASS(ES)		2	0	1	1	1	0	0	0	0	0	0	0
ATROPHY-DIFFUSE		0	0	0	0	0	0	0	0	0	0	1	0
ATROPHY-FOCAL		0	0	0	0	0	0	0	0	0	1	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

ORGAN AND KEYWORD(S) OR PHRASE		--- NUMBER-OF-ANIMALS-AFFECTED ---											
	SEX:	----------MALE----------						----------FEMALE----------					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
	NUMBER:	70	60	60	60	70	40	70	60	60	60	70	40
NERVE, SCIATIC (SN)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	70	60	60	60	70	40	70	60	60	60	70	40
TRACHEA (TR)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	70	60	60	60	70	40	70	60	60	60	70	40
ESOPHAGUS (ES)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	69	60	60	60	70	40	70	60	60	60	69	40
LARGE		1	0	0	0	0	0	0	0	0	0	0	0
MASS(ES)		0	0	0	0	0	0	0	0	0	0	1	0
THYROID (TY)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	66	58	58	56	66	36	70	57	59	57	69	39
LARGE		4	2	2	4	4	2	0	2	1	3	1	1
DIFFUSELY LIGHT		0	0	0	0	0	0	0	1	0	1	0	0
MASS(ES)		0	0	0	0	0	2	0	1	0	0	0	0
SMALL		1	0	0	0	0	0	0	0	0	0	0	0
DIFFUSELY DARK		1	0	0	0	0	0	0	0	0	0	0	0
DIFFUSELY RED		0	0	0	0	0	0	0	0	0	0	0	1

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

ORGAN AND KEYWORD(S) OR PHRASE		--- NUMBER-OF-ANIMALS-AFFECTED ---											
	SEX:	----------MALE----------						----------FEMALE----------					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
	NUMBER:	70	60	60	60	70	40	70	60	60	60	70	40
PARATHYROID (PT)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	70	59	58	60	68	39	70	59	60	60	70	39
LARGE		0	1	2	0	2	1	0	1	0	0	0	1
PITUITARY (PI)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	38	30	18	29	38	10	20	14	14	17	23	8
LARGE		1	2	2	1	2	1	7	5	3	3	12	3
DARK FOCUS(I)/AREA(S)		0	0	2	0	0	1	2	3	1	1	5	2
MASS(ES)		25	21	32	25	21	21	38	37	41	37	27	24
RED FOCUS(I)/AREA(S)		4	4	4	4	5	4	4	3	1	5	7	2
RAISED AREA(S)		1	2	2	1	1	0	0	0	0	0	1	1
CYST(S)		0	0	1	0	3	2	0	0	1	0	0	3
DIFFUSELY RED		1	0	0	0	0	1	0	0	0	0	0	0
MOTTLED		0	0	0	0	0	0	0	1	1	0	0	0
LIGHT FOCUS(I)/AREA(S)		1	1	0	0	0	0	0	0	0	0	0	1
HARDERIAN GLAND (HG)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	70	59	58	60	70	40	70	60	60	60	69	40
MISSING/NOT IDENTIFIED		0	1	1	0	0	0	0	0	0	0	0	0
MASS(ES)		0	0	0	0	0	0	0	0	0	0	1	0
MOTTLED		0	0	1	0	0	0	0	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---											
	SEX:	----------MALE----------						----------FEMALE----------					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
	NUMBER:	70	60	60	60	70	40	70	60	60	60	70	40
SALIV GL, MANDIB (SG) ...	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	70	60	59	60	70	40	70	59	60	60	69	40
SMALL		0	0	0	0	0	0	0	0	0	0	1	0
MISSING/NOT IDENTIFIED		0	0	0	0	0	0	0	1	0	0	0	0
MASS(ES)		0	0	1	0	0	0	0	0	0	0	0	0
DIFFUSELY LIGHT		0	0	1	0	0	0	0	0	0	0	0	0
STOMACH, GL (ST) ...	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	57	41	44	47	50	23	62	54	56	57	61	33
DARK FOCUS(I)/AREA(S)		4	5	3	3	8	11	4	2	2	3	8	5
EROSION/ULCERATION		2	1	3	1	2	1	2	1	0	0	0	1
RED FOCUS(I)/AREA(S)		0	3	1	2	2	0	0	1	0	0	1	0
THICKENED WALL		7	13	11	8	12	5	1	1	1	0	0	0
LIGHT FOCUS(I)/AREA(S)		0	0	1	1	1	0	1	1	1	0	0	0
RAISED AREA(S)		0	0	0	0	0	0	0	0	0	0	0	1
STOMACH, NONGL (SU) ...	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	62	56	57	53	65	35	68	55	56	58	67	39
EROSION/ULCERATION		7	4	1	6	4	5	2	5	2	1	3	1
THICKENED WALL		2	1	2	5	3	3	0	0	2	1	0	0
RED FOCUS(I)/AREA(S)		0	0	0	0	0	1	0	0	1	0	0	0
LIGHT FOCUS(I)/AREA(S)		0	0	2	0	0	0	0	0	0	1	0	0
DARK FOCUS(I)/AREA(S)		0	0	0	1	0	0	0	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---											
SEX:		----------MALE----------						----------FEMALE----------					
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
NUMBER:		70	60	60	60	70	40	70	60	60	60	70	40
DUODENUM (DU)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	70	60	60	60	70	39	70	60	60	60	70	40
RED FOCUS(I)/AREA(S)		0	0	0	0	0	1	0	0	0	0	0	0
JEJUNUM (JE)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	69	60	60	60	70	40	70	60	60	60	69	39
MASS(ES)		0	0	0	0	0	0	0	0	0	0	1	1
THICKENED WALL		1	0	0	0	0	0	0	0	0	0	0	0
ILEUM (IL)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	68	60	60	60	70	40	70	60	60	59	70	40
DIFFUSELY RED		1	0	0	0	0	0	0	0	0	0	0	0
DIVERTICULUM(A)		0	0	0	0	0	0	0	0	0	1	0	0
THICKENED WALL		1	0	0	0	0	0	0	0	0	0	0	0
CECUM (CE)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	69	59	60	60	68	38	70	60	60	60	69	40
RED FOCUS(I)/AREA(S)		0	0	0	0	1	1	0	0	0	0	0	0
DIFFUSELY RED		1	1	0	0	0	0	0	0	0	0	0	0
THICKENED WALL		0	1	0	0	0	1	0	0	0	0	0	0
LARGE		0	0	0	0	0	0	0	0	0	0	1	0
MASS(ES)		0	0	0	0	1	0	0	0	0	0	0	0

Incidence of Macroscopic Observations

All Animals

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---											
	SEX:	----------MALE----------						----------FEMALE----------					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
ORGAN AND KEYWORD(S) OR PHRASE	NUMBER:	70	60	60	60	70	40	70	60	60	60	70	40
COLON (CO)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	70	60	60	60	70	40	69	59	60	60	70	40
MASS(ES)		0	0	0	0	0	0	0	1	0	0	0	0
DIVERTICULUM(A)		0	0	0	0	0	0	1	0	0	0	0	0
RECTUM (RE)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	69	60	60	60	70	40	70	60	59	60	70	40
MASS(ES)		0	0	0	0	0	0	0	0	1	0	0	0
DIFFUSELY RED		1	0	0	0	0	0	0	0	0	0	0	0
SKIN (SK)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	64	49	52	52	57	33	63	59	57	58	66	37
ABRASION(S)/ULCERATION(S)		0	1	0	0	2	0	1	0	0	0	1	0
CRUSTED AREA(S)		3	5	2	4	5	6	3	1	1	1	3	2
LIGHT AREA(S)/FOCUS(I)		0	0	0	0	0	0	1	0	0	0	0	0
MASS(ES)		3	7	4	3	7	1	1	0	1	0	1	0
RED FOCUS(I)/AREA(S)		1	0	0	0	0	0	0	0	0	0	0	0
RAISED FOCUS(I)/AREA(S)		1	0	2	2	1	0	1	0	0	0	0	1
ALOPECIA-DIFFUSE		0	0	0	0	0	0	1	0	0	1	0	1
THICKENED		0	0	0	0	0	0	0	0	1	0	0	0
MASS #2		0	2	0	0	0	0	0	0	0	0	0	0
SUBCUTANEOUS EDEMA		0	0	0	0	1	0	0	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

ORGAN AND KEYWORD(S) OR PHRASE		--- NUMBER-OF-ANIMALS-AFFECTED ---											
SEX:		----------MALE----------						----------FEMALE----------					
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
NUMBER:		70	60	60	60	70	40	70	60	60	60	70	40
MAMMARY, FEMALE (MF)	NUMBER EXAMINED:	0	0	0	0	0	0	70	60	60	60	70	40
	NOT REMARKABLE:	0	0	0	0	0	0	29	23	22	24	39	20
MASS(ES)		0	0	0	0	0	0	28	35	29	28	24	17
THICKENED		0	0	0	0	0	0	15	10	16	13	9	5
MASS #2		0	0	0	0	0	0	14	13	11	14	10	7
CYST(S)		0	0	0	0	0	0	13	5	9	4	5	3
MASS #3		0	0	0	0	0	0	6	5	3	6	2	2
MASS #4		0	0	0	0	0	0	2	1	2	1	2	2
MASS #5		0	0	0	0	0	0	0	1	2	1	1	0
MASS #6		0	0	0	0	0	0	0	0	0	0	1	0
MASS #7		0	0	0	0	0	0	0	0	0	0	1	0
MASS #8		0	0	0	0	0	0	0	0	0	0	1	0
URINARY BLADDER (UB)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	67	58	59	57	68	39	70	60	60	60	70	40
CALCULUS(I)		2	0	0	1	1	1	0	0	0	0	0	0
DIFFUSELY RED		1	0	0	2	0	0	0	0	0	0	0	0
SEMIFLUID MATERIAL		0	2	1	0	0	0	0	0	0	0	0	0
THICKENED WALL		0	1	0	2	0	0	0	0	0	0	0	0
RED FOCUS(I)/AREA(S)		0	0	0	0	1	0	0	0	0	0	0	0
CERVIX (CV)	NUMBER EXAMINED:	0	0	0	0	0	0	70	60	60	60	70	40
	NOT REMARKABLE:	0	0	0	0	0	0	68	57	56	58	66	39
MASS(ES)		0	0	0	0	0	0	1	2	0	0	2	1

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

ORGAN AND KEYWORD(S) OR PHRASE		--- NUMBER OF ANIMALS AFFECTED ---											
	SEX:	MALE						FEMALE					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
	NUMBER:	70	60	60	60	70	40	70	60	60	60	70	40
** FROM PREVIOUS PAGE **													
CERVIX (CV)	NUMBER EXAMINED:	0	0	0	0	0	0	70	60	60	60	70	40
	NOT REMARKABLE:	0	0	0	0	0	0	68	57	56	58	66	39
FIRM		0	0	0	0	0	0	1	0	0	0	0	0
LARGE		0	0	0	0	0	0	1	1	4	1	2	0
CYST(S)		0	0	0	0	0	0	0	0	0	1	0	0
OVARY (OV)	NUMBER EXAMINED:	0	0	0	0	0	0	70	60	60	60	70	40
	NOT REMARKABLE:	0	0	0	0	0	0	58	55	51	47	56	29
CYST(S)		0	0	0	0	0	0	12	5	9	13	12	11
MASS(ES)		0	0	0	0	0	0	0	0	0	0	1	0
LARGE		0	0	0	0	0	0	0	0	0	0	1	0
VAGINA (VA)	NUMBER EXAMINED:	0	0	0	0	0	0	70	60	60	60	70	40
	NOT REMARKABLE:	0	0	0	0	0	0	65	54	53	54	66	35
SEMIFLUID MATERIAL		0	0	0	0	0	0	5	6	4	5	4	5
MASS(ES)		0	0	0	0	0	0	0	0	3	1	0	0
PROSTATE (PR)	NUMBER EXAMINED:	70	60	60	60	70	40	0	0	0	0	0	0
	NOT REMARKABLE:	56	51	44	51	58	33	0	0	0	0	0	0
NODULAR		11	7	12	6	10	6	0	0	0	0	0	0
SMALL		2	1	1	1	1	0	0	0	0	0	0	0
MASS(ES)		1	0	1	1	0	0	0	0	0	0	0	0
LARGE		0	1	4	0	0	3	0	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

ORGAN AND KEYWORD(S) OR PHRASE		--- NUMBER-OF-ANIMALS-AFFECTED ---											
	SEX:	----------MALE----------						----------FEMALE----------					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
	NUMBER:	70	60	60	60	70	40	70	60	60	60	70	40
** FROM PREVIOUS PAGE **													
PROSTATE (PR)	NUMBER EXAMINED:	70	60	60	60	70	40	0	0	0	0	0	0
	NOT REMARKABLE:	56	51	44	51	58	33	0	0	0	0	0	0
GELATINOUS		0	0	2	1	1	1	0	0	0	0	0	0
SEMINAL VESICLES (SV)	NUMBER EXAMINED:	70	60	60	60	70	40	0	0	0	0	0	0
	NOT REMARKABLE:	64	49	49	52	62	33	0	0	0	0	0	0
SMALL		5	6	3	5	5	1	0	0	0	0	0	0
LARGE		1	3	6	3	1	4	0	0	0	0	0	0
GELATINOUS		0	2	3	1	2	4	0	0	0	0	0	0
THICKENED		0	1	0	0	0	0	0	0	0	0	0	0
MOTTLED		0	0	0	1	0	0	0	0	0	0	0	0
EPIDIDYMIDES (EP)	NUMBER EXAMINED:	70	60	60	60	70	40	0	0	0	0	0	0
	NOT REMARKABLE:	70	60	60	60	68	40	0	0	0	0	0	0
SMALL		0	0	0	0	2	0	0	0	0	0	0	0
CAVITY, THORACIC (TA)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	70	60	60	60	70	40	69	60	60	60	70	40
MASS(ES)		0	0	0	0	0	0	1	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---											
	SEX:	----------MALE----------						----------FEMALE----------					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
	NUMBER:	70	60	60	60	70	40	70	60	60	60	70	40
TAIL (TI)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	65	60	56	58	70	38	69	59	59	59	70	40
ABRASION(S)/ULCERATION(S)		0	0	0	0	0	0	0	0	1	0	0	0
CRUSTED AREA(S)		1	0	1	1	0	2	0	1	0	0	0	0
LARGE		1	0	1	0	0	0	0	0	0	0	0	0
DIFFUSELY RED		0	0	0	0	0	0	1	0	0	0	0	0
RAISED AREA(S)		2	0	1	1	0	0	0	0	0	0	0	0
MASS(ES)		1	0	1	0	0	0	0	0	0	1	0	0
LN, MANDIBULAR (MN)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	65	55	55	58	67	36	58	56	53	56	64	33
DIFFUSELY RED		1	4	4	2	2	4	8	1	1	2	4	6
LARGE		1	1	1	0	1	0	3	3	4	1	3	2
MOTTLED		3	0	0	0	0	0	2	0	3	1	0	0
LN, MEDIASTINAL (ML)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	70	58	58	58	67	37	68	60	58	59	67	39
LARGE		0	1	2	1	3	3	0	0	1	0	3	0
DIFFUSELY RED		0	1	1	0	2	2	2	0	2	1	1	1
MOTTLED		0	0	1	0	0	0	0	0	0	0	0	0
CYST(S)		0	0	0	1	0	0	0	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

ORGAN AND KEYWORD(S) OR PHRASE		--- NUMBER-OF-ANIMALS-AFFECTED ---											
SEX:		----------MALE----------						----------FEMALE----------					
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
NUMBER:		70	60	60	60	70	40	70	60	60	60	70	40
LN, AXILLARY (AX)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	69	57	58	58	67	39	66	53	56	54	68	34
LARGE		0	1	1	1	0	0	2	3	3	4	2	5
MOTTLED		1	1	0	0	1	0	0	4	1	2	0	2
DIFFUSELY RED		0	1	2	2	2	1	1	0	0	1	1	2
DIFFUSELY DARK		0	0	0	0	0	0	1	0	0	0	0	0
LN, INGUINAL (IN)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	70	59	60	60	70	40	70	58	57	59	69	40
LARGE		0	1	0	0	0	0	0	2	3	1	0	0
DIFFUSELY RED		0	0	0	0	0	0	0	0	0	0	1	0
LN, OTHER (LN)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	69	59	59	59	70	40	70	60	60	60	70	40
LARGE		1	1	0	1	0	0	0	0	0	0	0	0
DIFFUSELY RED		0	0	1	0	0	0	0	0	0	0	0	0
LN, RENAL (RL)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	70	56	57	57	66	37	69	60	60	59	69	40
LARGE		0	2	2	3	2	3	0	0	0	1	1	0
DIFFUSELY RED		0	3	2	1	3	0	0	0	0	1	1	0
CYST(S)		0	0	0	0	0	1	0	0	0	0	0	0
MOTTLED		0	0	0	0	0	1	1	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

ORGAN AND KEYWORD(S) OR PHRASE		--- NUMBER-OF-ANIMALS-AFFECTED ---											
	SEX:	----------MALE----------						----------FEMALE----------					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
	NUMBER:	70	60	60	60	70	40	70	60	60	60	70	40
MAMMARY, MALE (MM)	NUMBER EXAMINED:	70	60	60	60	70	40	0	0	0	0	0	0
	NOT REMARKABLE:	64	51	54	54	65	37	0	0	0	0	0	0
THICKENED		0	1	0	1	0	0	0	0	0	0	0	0
CYST(S)		1	4	4	0	1	2	0	0	0	0	0	0
MASS(ES)		5	4	2	5	5	2	0	0	0	0	0	0
MASS #2		2	0	0	0	2	1	0	0	0	0	0	0
COAGULATING GL (CG)	NUMBER EXAMINED:	70	60	60	60	70	40	0	0	0	0	0	0
	NOT REMARKABLE:	70	60	60	59	70	40	0	0	0	0	0	0
LARGE		0	0	0	1	0	0	0	0	0	0	0	0
LN, ANT MES/PANC (AP)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	70	59	58	59	70	37	69	59	58	60	68	40
LARGE		0	0	1	0	0	2	0	1	1	0	1	0
DIFFUSELY RED		0	0	1	1	0	3	1	1	1	0	2	0
MOTTLED		0	1	0	0	0	0	0	0	0	0	0	0
PREPUTIAL GLAND (PG)	NUMBER EXAMINED:	70	60	60	60	70	40	0	0	0	0	0	0
	NOT REMARKABLE:	70	59	58	60	69	38	0	0	0	0	0	0
LARGE		0	1	2	0	1	2	0	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

ORGAN AND KEYWORD(S) OR PHRASE		--- NUMBER-OF-ANIMALS-AFFECTED ---											
	SEX:	----------MALE----------						----------FEMALE----------					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
	NUMBER:	70	60	60	60	70	40	70	60	60	60	70	40
CAVITY, ABDOM (PC)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	69	60	60	57	68	36	68	60	60	60	67	39
MASS(ES)		1	0	0	2	2	2	2	0	0	0	3	1
LARGE VESSELS		0	0	0	1	0	2	0	0	0	0	0	0
AORTA (AO)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	70	59	57	58	68	39	70	60	60	59	70	40
MASS(ES)		0	0	0	0	1	0	0	0	0	0	0	0
LARGE		0	1	3	1	1	1	0	0	0	1	0	0
FIRM		0	1	2	1	0	1	0	0	0	1	0	0
FOOT/FOOTPAD (FP)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	68	58	57	54	66	38	68	57	58	58	65	38
CRUSTED AREA(S)		0	0	1	4	3	2	1	2	1	1	2	1
ABRASION(S)/ULCERATION(S)		1	2	2	2	1	0	1	1	1	1	3	1
LARGE		1	0	0	0	0	0	0	0	0	0	0	0
AUDITORY SEB GL (AS)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	70	59	59	60	70	40	70	60	60	60	70	40
MASS(ES)		0	1	1	0	0	0	0	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

ORGAN AND KEYWORD(S) OR PHRASE		--- NUMBER-OF-ANIMALS-AFFECTED ---											
	SEX:	----------MALE----------						----------FEMALE----------					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
	NUMBER:	70	60	60	60	70	40	70	60	60	60	70	40
CALVARIUM/SKULL (CA)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	70	59	59	60	70	40	70	60	59	60	70	40
MASS(ES)		0	1	1	0	0	0	0	0	1	0	0	0
LN, LUMBAR/ILIAC (LM)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	68	59	57	54	68	34	69	60	56	58	69	38
CYST(S)		0	1	0	1	0	1	0	0	1	0	0	1
LARGE		1	0	3	4	1	3	0	0	1	1	0	2
DIFFUSELY RED		1	0	1	0	0	1	0	0	2	1	1	0
MASS(ES)		0	0	0	0	0	0	0	0	1	0	0	0
MOTTLED		0	0	0	1	1	1	1	0	1	1	0	0
URETER (UE)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	70	60	60	60	70	39	69	60	60	59	70	40
LARGE		0	0	0	0	0	1	1	0	0	1	0	0
JOINT, OTHER (JT)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	69	59	57	59	69	37	70	60	60	60	69	40
LARGE		1	1	3	1	1	3	0	0	0	0	1	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---											
	SEX:	----------MALE----------						----------FEMALE----------					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
	NUMBER:	70	60	60	60	70	40	70	60	60	60	70	40
ADIPOSE TISSUE (AT)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	69	60	58	60	70	40	69	58	60	60	70	40
MASS(ES)		1	0	1	0	0	0	0	0	0	0	0	0
CYST(S)		0	0	0	0	0	0	1	0	0	0	0	0
THICKENED		0	0	1	0	0	0	0	1	0	0	0	0
GELATINOUS		0	0	0	0	0	0	0	1	0	0	0	0
VAS DEFERENS (VS)	NUMBER EXAMINED:	70	60	60	60	70	40	0	0	0	0	0	0
	NOT REMARKABLE:	70	60	59	60	70	39	0	0	0	0	0	0
LARGE		0	0	1	0	0	1	0	0	0	0	0	0
DIAPHRAGM (DP)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	70	60	60	60	70	40	69	60	60	60	70	40
MASS(ES)		0	0	0	0	0	0	1	0	0	0	0	0
LN, POPLITEAL (PP)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	70	60	60	60	70	39	70	60	59	60	70	39
LARGE		0	0	0	0	0	1	0	0	1	0	0	1
DIFFUSELY RED		0	0	0	0	0	0	0	0	1	0	0	1

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---											
SEX:		----------MALE----------						----------FEMALE----------					
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
NUMBER:		70	60	60	60	70	40	70	60	60	60	70	40
PERICARDIAL SAC (PD)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	70	60	59	60	70	39	70	60	60	60	70	40
MASS(ES)		0	0	1	0	0	1	0	0	0	0	0	0
ARTERY, OTHER (AU)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	70	60	59	60	70	40	70	60	60	60	70	40
LARGE		0	0	1	0	0	0	0	0	0	0	0	0
AORTIC ARCH (AA)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	70	60	59	60	70	40	70	60	60	60	70	40
LARGE		0	0	1	0	0	0	0	0	0	0	0	0
LN, ILEOCECAL (IC)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	70	60	60	60	70	40	70	60	60	59	70	40
LARGE		0	0	0	0	0	0	0	0	0	1	0	0
DIFFUSELY RED		0	0	0	0	0	0	0	0	0	1	0	0
LN, TRACHEOBRON (TB)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	70	60	60	60	70	39	70	60	60	60	70	40
LARGE		0	0	0	0	0	1	0	0	0	0	0	0
DIFFUSELY RED		0	0	0	0	0	1	0	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---											
	SEX:	----------MALE----------						----------FEMALE----------					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
	NUMBER:	70	60	60	60	70	40	70	60	60	60	70	40
MUSCLE, OTHER (MO)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	70	60	59	60	70	40	70	60	60	60	70	40
THICKENED		0	0	1	0	0	0	0	0	0	0	0	0
DIFFUSELY RED		0	0	1	0	0	0	0	0	0	0	0	0
PINNA (PN)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	70	60	60	60	70	39	70	60	60	60	70	39
MASS(ES)		0	0	0	0	0	1	0	0	0	0	0	1
BILE DUCT (BD)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	70	60	59	60	70	40	70	60	60	60	70	40
LARGE		0	0	1	0	0	0	0	0	0	0	0	0
TRIGEMINAL NERVE (TG)	NUMBER EXAMINED:	70	60	60	60	70	40	70	60	60	60	70	40
	NOT REMARKABLE:	70	60	60	59	70	40	70	60	60	60	70	40
LARGE		0	0	0	1	0	0	0	0	0	0	0	0
CLITORAL GLAND (CL)	NUMBER EXAMINED:	0	0	0	0	0	0	70	60	60	60	70	40
	NOT REMARKABLE:	0	0	0	0	0	0	69	60	60	60	70	40
MASS(ES)		0	0	0	0	0	0	1	0	0	0	0	0

** END OF LIST **

Incidence of Macroscopic Observations

Recovery Sacrifice

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=6;WEEKS=ALL
DEATH=U;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	MALE	FEMALE
	GROUP:	-6-	-6-
	NUMBER:	10	17
** TOP OF LIST **			
GENERAL COMMENT (GC)	NUMBER EXAMINED:	10	17
BLOOD FILM TAKEN		10	17
TAIL - BENT/MISSING		1	0
BONE MARROW SMEAR TAKEN		10	17
MALOCCLUSION		2	3
TEETH MISSING/BROKEN/WORN		2	0
DISCHARGE-OCULAR		1	1
ANIMAL THIN		1	1
ANIMAL OBESE		1	2
GI TRACT-DARK FLUID CONTENT		1	0
EYE (EY)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	10	16
OPAQUE CORNEA		0	1
BRAIN (BR)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	6	10
COMPRESSED (HYPOTHALAMUS)		4	7
LIVER (LI)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	6	10
LIGHT FOCUS(I)/AREA(S)		0	1

** CONTINUED ON NEXT PAGE **

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=6;WEEKS=ALL
DEATH=U;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	MALE	FEMALE
	GROUP:	-6-	-6-
	NUMBER:	10	17
** FROM PREVIOUS PAGE **			
LIVER (LI)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	6	10
RED FOCUS(I)/AREA(S)		4	6
CYST(S)		0	1
KIDNEY (KD)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	7	16
CYST(S)		2	0
LARGE PELVIS(ES)		1	1
ROUGH SURFACE, DIFFUSE		1	0
DIFFUSELY LIGHT		1	0
SPLEEN (SP)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	9	17
ADHESION(S)		1	0
PANCREAS (PA)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	8	17
MASS(ES)		1	0
LARGE VESSELS		1	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=6;WEEKS=ALL
DEATH=U;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	MALE	FEMALE
	GROUP:	-6-	-6-
	NUMBER:	10	17
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	10	13
LARGE		0	4
ADRENAL, MEDULLA (MA)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	10	17
LN, MESENTERIC (MS)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	10	16
DIFFUSELY DARK		0	1
UTERUS (UT)	NUMBER EXAMINED:	0	17
	NOT REMARKABLE:	0	11
THICKENED WALL		0	3
CYST(S)		0	3
MASS(ES)		0	2
TESTIS (TE)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	9	0
SMALL		1	0

TABLE INCLUDES:
SEX=ALL;GROUP=6;WEEKS=ALL
DEATH=U;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D --- SEX: MALE	FEMALE
	GROUP:	-6-	-6-
	NUMBER:	10	17
BONE, FEMUR (FE)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	10	17
MARROW, FEMUR (FM)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	10	17
MARROW, STERNUM (SE)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	10	17
BONE, STERNUM (SB)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	10	17
SPINAL CORD (SC)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	10	17
THYMUS (TH)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	9	15
MASS(ES)		0	1
MISSING/NOT IDENTIFIED		1	1

TABLE INCLUDES:
SEX=ALL;GROUP=6;WEEKS=ALL
DEATH=U;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	MALE	FEMALE
	GROUP:	-6-	-6-
	NUMBER:	10	17
LUNG (LU)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	8	15
RED FOCUS(I)/AREA(S)		0	1
LIGHT FOCUS(I)/AREA(S)		1	1
MOTTLED		1	0
HEART (HT)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	10	17
MUSCLE, SKELETAL (SM)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	10	17
NERVE, SCIATIC (SN)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	10	17
TRACHEA (TR)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	10	17
ESOPHAGUS (ES)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	10	17

TABLE INCLUDES:
SEX=ALL;GROUP=6;WEEKS=ALL
DEATH=U;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	MALE	FEMALE
	GROUP:	-6-	-6-
	NUMBER:	10	17
THYROID (TY)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	8	16
LARGE		1	1
MASS(ES)		1	0
DIFFUSELY RED		0	1
PARATHYROID (PT)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	10	16
LARGE		0	1
PITUITARY (PI)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	2	6
LARGE		0	2
DARK FOCUS(I)/AREA(S)		1	2
MASS(ES)		4	7
RED FOCUS(I)/AREA(S)		2	1
CYST(S)		1	1
LIGHT FOCUS(I)/AREA(S)		0	1
HARDERIAN GLAND (HG)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	10	17

TABLE INCLUDES:
SEX=ALL;GROUP=6;WEEKS=ALL
DEATH=U;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	MALE	FEMALE
	GROUP:	-6-	-6-
	NUMBER:	10	17
SALIV GL, MANDIB (SG)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	10	17
STOMACH, GL (ST)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	6	13
DARK FOCUS(I)/AREA(S)		1	3
EROSION/ULCERATION		1	1
THICKENED WALL		2	0
STOMACH, NONGL (SU)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	10	17
DUODENUM (DU)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	10	17
JEJUNUM (JE)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	10	16
MASS(ES)		0	1
ILEUM (IL)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	10	17

TABLE INCLUDES:
SEX=ALL;GROUP=6;WEEKS=ALL
DEATH=U;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	MALE	FEMALE
	GROUP:	-6-	-6-
	NUMBER:	10	17
CECUM (CE)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	9	17
THICKENED WALL		1	0
COLON (CO)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	10	17
RECTUM (RE)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	10	17
SKIN (SK)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	7	15
CRUSTED AREA(S)		2	1
MASS(ES)		1	0
RAISED FOCUS(I)/AREA(S)		0	1
MAMMARY, FEMALE (MF)	NUMBER EXAMINED:	0	17
	NOT REMARKABLE:	0	9
MASS(ES)		0	8
THICKENED		0	3
MASS #2		0	4
MASS #3		0	1

** CONTINUED ON NEXT PAGE **

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=6;WEEKS=ALL
DEATH=U;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D --- SEX: MALE	FEMALE
	GROUP:	-6-	-6-
	NUMBER:	10	17
** FROM PREVIOUS PAGE **			
MAMMARY, FEMALE (MF)	NUMBER EXAMINED:	0	17
	NOT REMARKABLE:	0	9
MASS #4		0	1
URINARY BLADDER (UB)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	10	17
CERVIX (CV)	NUMBER EXAMINED:	0	17
	NOT REMARKABLE:	0	16
MASS(ES)		0	1
OVARY (OV)	NUMBER EXAMINED:	0	17
	NOT REMARKABLE:	0	10
CYST(S)		0	7
VAGINA (VA)	NUMBER EXAMINED:	0	17
	NOT REMARKABLE:	0	17
PROSTATE (PR)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	9	0
NODULAR		1	0

TABLE INCLUDES:
SEX=ALL;GROUP=6;WEEKS=ALL
DEATH=U;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	MALE	FEMALE
	GROUP:	-6-	-6-
	NUMBER:	10	17
SEMINAL VESICLES (SV)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	9	0
SMALL		1	0
GELATINOUS		1	0
EPIDIDYMIDES (EP)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0
CAVITY, THORACIC (TA)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	10	17
TAIL (TI)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	8	17
CRUSTED AREA(S)		2	0
LN, MANDIBULAR (MN)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	9	12
DIFFUSELY RED		1	4
LARGE		0	1

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=6;WEEKS=ALL
DEATH=U;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D --- SEX: MALE	FEMALE
	GROUP:	-6-	-6-
	NUMBER:	10	17
LN, MEDIASTINAL (ML)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	9	16
LARGE		1	0
DIFFUSELY RED		0	1
LN, AXILLARY (AX)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	10	16
LARGE		0	1
LN, INGUINAL (IN)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	10	17
LN, OTHER (LN)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	10	17
LN, RENAL (RL)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	9	17
LARGE		1	0
MOTTLED		1	0
MAMMARY, MALE (MM)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=6;WEEKS=ALL
DEATH=U;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	MALE	FEMALE
	GROUP:	-6-	-6-
	NUMBER:	10	17
COAGULATING GL (CG)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0
LN, ANT MES/PANC (AP)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	10	17
PREPUTIAL GLAND (PG)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	8	0
LARGE		2	0
CAVITY, ABDOM (PC)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	9	17
LARGE VESSELS		1	0
AORTA (AO)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	10	17
FOOT/FOOTPAD (FP)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	9	16
CRUSTED AREA(S)		1	0
ABRASION(S)/ULCERATION(S)		0	1

TABLE INCLUDES:
SEX=ALL;GROUP=6;WEEKS=ALL
DEATH=U;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- NUMBER-OF-ANIMALS-AFFECTED --- SEX: MALE	FEMALE
	GROUP:	-6-	-6-
	NUMBER:	10	17
AUDITORY SEB GL (AS)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	10	17
CALVARIUM/SKULL (CA)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	10	17
LN, LUMBAR/ILIAC (LM)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	8	16
CYST(S)		0	1
LARGE		2	1
URETER (UE)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	10	17
JOINT, OTHER (JT)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	7	17
LARGE		3	0
ADIPOSE TISSUE (AT)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	10	17

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=6;WEEKS=ALL
DEATH=U;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	MALE	FEMALE
	GROUP:	-6-	-6-
	NUMBER:	10	17
VAS DEFERENS (VS)	NUMBER EXAMINED:	10	0
	NOT REMARKABLE:	10	0
DIAPHRAGM (DP)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	10	17
LN, POPLITEAL (PP)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	9	17
LARGE		1	0
PERICARDIAL SAC (PD)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	10	17
ARTERY, OTHER (AU)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	10	17
AORTIC ARCH (AA)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	10	17
LN, ILEOCECAL (IC)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	10	17

TABLE INCLUDES:
SEX=ALL;GROUP=6;WEEKS=ALL
DEATH=U;SUBSET=ALL

ORGAN AND KEYWORD(S) OR PHRASE		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	MALE	FEMALE
	GROUP:	-6-	-6-
	NUMBER:	10	17
LN, TRACHEOBRON (TB)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	10	17
MUSCLE, OTHER (MO)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	10	17
PINNA (PN)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	10	16
MASS(ES)		0	1
BILE DUCT (BD)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	10	17
TRIGEMINAL NERVE (TG)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	10	17
CLITORAL GLAND (CL)	NUMBER EXAMINED:	0	17
	NOT REMARKABLE:	0	17

** END OF LIST **

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
SEX:		----------MALE----------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-5-	-1-	-2-	-3-	-4-	-5-
NUMBER:		5	5	5	5	5	5	5	5	5	5
** TOP OF LIST **											
EYE (EY)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5	5	5
BRAIN (BR)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	5	5	5	5	5	5	5
LIVER (LI)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	0	0	0	0	0	2	0	0	0	0
--INFILTRATE, LYMPHOHISTIOCYTIC		5	5	5	5	5	3	5	5	5	5
--HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR		0	0	0	5	5	0	0	0	1	4
POLYKARYOCYTOSIS OCCASIONALLY NOTED											
--NECROSIS, INDIVIDUAL HEPATOCYTE		2	2	0	1	2	1	2	2	1	3
--VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR		0	0	0	3	4	0	1	0	0	2
--VACUOLATION, HEPATOCELLULAR, PERIPORTAL		2	3	2	0	0	1	0	3	2	1
--FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL		0	0	0	0	0	0	0	1	1	0
--NECROSIS, COAGULATIVE		0	0	0	0	0	0	0	1	0	0
LIVER-OIL RED O (LI0)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
KIDNEY (KD)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	0	1	1	2	1	2	5	2	3	5
--INFILTRATE, LYMPHOHISTIOCYTIC		4	2	2	3	2	3	0	3	1	0

** CONTINUED ON NEXT PAGE **

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
	SEX:	----------MALE----------					---------FEMALE--------				
	GROUP:	-1-	-2-	-3-	-4-	-5-	-1-	-2-	-3-	-4-	-5-
	NUMBER:	5	5	5	5	5	5	5	5	5	5
** FROM PREVIOUS PAGE **											
KIDNEY (KD)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	0	1	1	2	1	2	5	2	3	5
--DILATATION, PELVIC		0	2	1	1	2	0	0	1	1	0
--MINERALIZATION, PELVIC		0	0	0	0	1	0	0	0	1	0
--REGENERATION, TUBULAR EPITHELIUM		1	0	1	3	1	1	0	0	0	0
--MINERALIZATION, TUBULAR		0	0	0	0	0	0	0	1	0	0
SPLEEN (SP)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	3	3	4	5	4	0	0	1	0	0
--PIGMENT, INCREASED		2	2	1	0	1	5	5	4	5	5
PANCREAS (PA)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	4	2	5	3	4	4	5	5	3	5
--ZYMOGEN GRANULES, DECREASED		0	0	0	2	1	0	0	0	1	0
--INFILTRATE, LYMPHOHISTIOCYTIC		0	2	0	2	1	1	0	0	1	0
--INFILTRATE, MACROPHAGE, PIGMENTED		1	1	0	0	0	0	0	0	0	0
--HYPERPLASIA, ISLET CELLS		0	0	0	1	0	0	0	0	0	0
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	3	5	5	5	4	5	5	4	5
--VACUOLATION, FOCAL		0	1	0	0	0	0	0	0	0	0
--UNILATERALLY EXAMINED		0	1	0	0	0	1	0	0	1	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

		--- NUMBER-OF-ANIMALS-AFFECTED ---									
	SEX:	----------MALE----------					---------FEMALE--------				
	GROUP:	-1-	-2-	-3-	-4-	-5-	-1-	-2-	-3-	-4-	-5-
ORGAN AND FINDING DESCRIPTION	NUMBER:	5	5	5	5	5	5	5	5	5	5
ADRENAL, MEDULLA (MA)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	5	4	5	5	5	4	5	5	4	5
--UNILATERALLY EXAMINED		0	1	0	0	0	1	0	0	1	0
LN, MESENTERIC (MS)	NUMBER EXAMINED:	5	5	5	4	5	5	5	5	5	5
	NOT REMARKABLE:	5	5	5	4	4	5	5	5	5	5
--HEMORRHAGE		0	0	0	0	1	0	0	0	0	0
OVARY (OV)	NUMBER EXAMINED:	0	0	0	0	0	5	5	5	5	5
	NOT REMARKABLE:	0	0	0	0	0	5	5	5	5	5
TESTIS (TE)	NUMBER EXAMINED:	5	5	5	5	5	0	0	0	0	0
	NOT REMARKABLE:	4	5	5	5	5	0	0	0	0	0
--ATROPHY/DEGENERATION		1	0	0	0	0	0	0	0	0	0
BONE, FEMUR (FE)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
MARROW, FEMUR (FM)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
SEX:		----------MALE----------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-5-	-1-	-2-	-3-	-4-	-5-
NUMBER:		5	5	5	5	5	5	5	5	5	5
MARROW, STERNUM (SE)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
BONE, STERNUM (SB)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
SPINAL CORD (SC)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
THYMUS (TH)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
LUNG (LU)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
HEART (HT)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
MUSCLE, SKELETAL (SM)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
SEX:		----------MALE----------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-5-	-1-	-2-	-3-	-4-	-5-
NUMBER:		5	5	5	5	5	5	5	5	5	5
NERVE, SCIATIC (SN)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
TRACHEA (TR)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
ESOPHAGUS (ES)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
THYROID (TY)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
PARATHYROID (PT)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
PITUITARY (PI)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
HARDERIAN GLAND (HG)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
SEX:		----------MALE----------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-5-	-1-	-2-	-3-	-4-	-5-
NUMBER:		5	5	5	5	5	5	5	5	5	5
SALIV GL, MANDIB (SG)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
STOMACH, GL (ST)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
STOMACH, NONGL (SU)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
DUODENUM (DU)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
JEJUNUM (JE)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
ILEUM (IL)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
CECUM (CE)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
SEX:		----------MALE----------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-5-	-1-	-2-	-3-	-4-	-5-
NUMBER:		5	5	5	5	5	5	5	5	5	5
COLON (CO)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
RECTUM (RE)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
SKIN (SK)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
MAMMARY, FEMALE (MF)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
URINARY BLADDER (UB)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
UTERUS (UT)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
CERVIX (CV)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- NUMBER-OF-ANIMALS-AFFECTED ---									
SEX:		----------MALE----------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-5-	-1-	-2-	-3-	-4-	-5-
NUMBER:		5	5	5	5	5	5	5	5	5	5
VAGINA (VA)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
PROSTATE (PR)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
SEMINAL VESICLES (SV)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
EPIDIDYMIDES (EP)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
HEMATO NEOPLASIA (HN)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
CAUSE OF DEATH (CD)	NUMBER EXAMINED:	5	5	5	5	5	5	5	5	5	5
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
--SCHEDULED SACRIFICE		5	5	5	5	5	5	5	5	5	5
LN, MEDIASTINAL (ML)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- NUMBER-OF-ANIMALS-AFFECTED ---									
SEX:		----------MALE----------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-5-	-1-	-2-	-3-	-4-	-5-
NUMBER:		5	5	5	5	5	5	5	5	5	5
LN, AXILLARY (AX)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
LN, INGUINAL (IN)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
LN, OTHER (LN)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
LN, RENAL (RL)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
LN, MANDIBULAR (MN)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
VERTEBRA/MARROW (VT)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
MAMMARY, MALE (MM)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0

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

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
SEX:		----------MALE----------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-5-	-1-	-2-	-3-	-4-	-5-
NUMBER:		5	5	5	5	5	5	5	5	5	5
COAGULATING GL (CG)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
TAIL (TI)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
LN, LUMBAR/ILIAC (LM)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
CAVITY, ABDOM (PC)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
AUDITORY SEB GL (AS)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
PREPUTIAL GLAND (PG)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
FOOT/FOOTPAD (FP)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0

Incidence of Microscopic Observations

Week 14 Interim Sacrifice

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

ORGAN AND FINDING DESCRIPTION	NUMBER:	--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
	SEX:	----------MALE----------					---------FEMALE--------				
	GROUP:	-1-	-2-	-3-	-4-	-5-	-1-	-2-	-3-	-4-	-5-
	NUMBER:	5	5	5	5	5	5	5	5	5	5
AORTA (AO)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
CALVARIUM/SKULL (CA)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
LN, ANT MES/PANC (AP)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
HEAD, CORONAL (HC)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
JOINT, OTHER (JT)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
CLITORAL GLAND (CL)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
URETER (UE)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
SEX:		----------MALE----------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-5-	-1-	-2-	-3-	-4-	-5-
NUMBER:		5	5	5	5	5	5	5	5	5	5
ADIPOSE TISSUE (AT)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
DIAPHRAGM (DP)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
CAVITY, THORACIC (TA)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
LN, TRACHEOBRON (TB)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
LN, POPLITEAL (PP)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
MUSCLE, OTHER (MO)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
PERICARDIAL SAC (PD)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

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

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
	SEX:	----------MALE---------					---------FEMALE--------				
	GROUP:	-1-	-2-	-3-	-4-	-5-	-1-	-2-	-3-	-4-	-5-
ORGAN AND FINDING DESCRIPTION	NUMBER:	5	5	5	5	5	5	5	5	5	5
PINNA (PN)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
ARTERY, OTHER (AU)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
AORTIC ARCH (AA)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
LN, ILEOCECAL (IC)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
VAS DEFERENS (VS)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
BILE DUCT (BD)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
TRIGEMINAL NERVE (TG)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0

** END OF LIST **

Incidence of Microscopic Observations

Week 53 Interim Sacrifice

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-5-	-1-	-5-
NUMBER:		10	9	10	10
** TOP OF LIST **					
EYE (EY)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
BRAIN (BR)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	9	10
--COMPRESSION, VENTRAL		0	0	1	0
LIVER (LI)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	0	0	2	0
--INFILTRATE, LYMPHOHISTIOCYTIC		9	5	6	9
--HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED		0	8	0	9
--PIGMENT, HEPATOCELLULAR, CENTRILOBULAR		0	0	0	6
--NECROSIS, INDIVIDUAL HEPATOCYTE		0	2	3	3
--VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR		1	5	0	0
--VACUOLATION, HEPATOCELLULAR, PERIPORTAL		3	2	2	1
--FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL		7	0	0	0
--FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC		0	1	0	0
--HYPERPLASIA, BILE DUCT		1	0	2	3
--HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL		1	0	0	0
--INFILTRATE, MACROPHAGE, PIGMENTED		2	1	0	3
--VACUOLATION, HEPATOCELLULAR		3	3	3	1
--HYPERTROPHY, HEPATOCELLULAR		0	1	0	0
--CYST, BILIARY		0	0	0	1
--INFLAMMATION, SUBACUTE		0	0	2	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-5-	-1-	-5-
NUMBER:		10	9	10	10
LIVER-OIL RED O (LI0)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
KIDNEY (KD)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	0	1	1	2
--NEPHROPATHY, CHRONIC PROGRESSIVE		9	6	3	1
--INFILTRATE, LYMPHOHISTIOCYTIC		0	1	0	1
--DILATATION, PELVIC		0	0	0	1
--MINERALIZATION, PELVIC		1	0	6	4
--REGENERATION, TUBULAR EPITHELIUM		1	0	0	0
--MINERALIZATION, TUBULAR		0	1	4	6
--PIGMENT, TUBULAR		0	2	1	1
--HYALINE DROPLETS, TUBULAR EPITHELIUM		0	1	0	0
--INFILTRATE, MACROPHAGE, PIGMENTED		0	0	1	0
SPLEEN (SP)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	0	2	0	0
--PIGMENT, INCREASED		10	7	10	10
--HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED		6	2	5	2
--FIBROSIS, CAPSULAR		0	0	0	1
PANCREAS (PA)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	3	2	9	7
--ZYMOGEN GRANULES, DECREASED		1	0	0	0

** CONTINUED ON NEXT PAGE **

Incidence of Microscopic Observations

Week 53 Interim Sacrifice

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-5-	-1-	-5-
NUMBER:		10	9	10	10
** FROM PREVIOUS PAGE **					
PANCREAS (PA)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	3	2	9	7
--INFILTRATE, LYMPHOHISTIOCYTIC		1	0	1	2
--INFILTRATE, MACROPHAGE, PIGMENTED		5	7	0	1
--HYPERPLASIA, ISLET CELLS		2	0	0	0
--ATROPHY, ACINAR		1	1	0	1
--NECROSIS / INFLAMMATION, ADIPOSE TISSUE		0	0	1	0
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	2	2	1	0
--UNILATERALLY EXAMINED		0	0	1	0
--INFILTRATE, MACROPHAGE, PIGMENTED		6	4	5	8
--HEMORRHAGE		0	0	1	0
--HYPERTROPHY, CORTICAL CELL		2	3	0	3
--VACUOLATION, DIFFUSE		0	1	0	0
--DEGENERATION, CYSTIC / HEMORRHAGIC		0	0	4	1
--HYPERPLASIA, CORTICAL		0	0	0	1
ADRENAL, MEDULLA (MA)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	9	9
--UNILATERALLY EXAMINED		0	0	1	1

Incidence of Microscopic Observations

Week 53 Interim Sacrifice

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-5-	-1-	-5-
NUMBER:		10	9	10	10
LN, MESENTERIC (MS)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	8	10	10
--HEMORRHAGE		0	1	0	0
OVARY (OV)	NUMBER EXAMINED:	0	0	10	10
	NOT REMARKABLE:	0	0	9	10
--CYST		0	0	1	0
TESTIS (TE)	NUMBER EXAMINED:	10	9	0	0
	NOT REMARKABLE:	8	9	0	0
--ATROPHY/DEGENERATION		2	0	0	0
--GRANULOMA, SPERM		1	0	0	0
BONE, FEMUR (FE)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
MARROW, FEMUR (FM)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	5	6	10	8
--HYPOCELLULAR, MARROW		5	3	0	1
--HYPERPLASIA, MYELOID, MARROW		0	0	0	1

Incidence of Microscopic Observations

Week 53 Interim Sacrifice

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-5-	-1-	-5-
NUMBER:		10	9	10	10
MARROW, STERNUM (SE)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	9	9	10	9
--HYPERPLASIA, MYELOID, MARROW		0	0	0	1
--HYPOCELLULAR, MARROW		1	0	0	0
BONE, STERNUM (SB)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
SPINAL CORD (SC)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
THYMUS (TH)	NUMBER EXAMINED:	7	8	10	9
	NOT REMARKABLE:	5	2	7	6
--HEMORRHAGE		2	3	2	2
--DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY)		2	3	1	0
--M-THYMIC CARCINOMA		0	1	0	0
--CYST		0	0	0	1
LUNG (LU)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	6	5	5	4
--CONGESTION		1	0	0	0
--MINERALIZATION, VASCULAR		1	3	1	0

** CONTINUED ON NEXT PAGE **

Incidence of Microscopic Observations

Week 53 Interim Sacrifice

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-5-	-1-	-5-
NUMBER:		10	9	10	10
** FROM PREVIOUS PAGE **					
LUNG (LU)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	6	5	5	4
--HEMORRHAGE		1	1	2	1
--INFILTRATE, MACROPHAGE, ALVEOLAR		0	1	2	4
--INFILTRATE, LYMPHOHISTIOCYTIC		1	1	3	2
HEART (HT)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	7	5	8	10
--CARDIOMYOPATHY		3	4	2	0
--HEMORRHAGE		0	1	0	0
MUSCLE, SKELETAL (SM)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
NERVE, SCIATIC (SN)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
TRACHEA (TR)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
ESOPHAGUS (ES)	NUMBER EXAMINED:	10	9	9	10
	NOT REMARKABLE:	10	9	9	10

Incidence of Microscopic Observations

Week 53 Interim Sacrifice

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
	SEX:	--MALE--		-FEMALE-	
	GROUP:	-1-	-5-	-1-	-5-
	NUMBER:	10	9	10	10
THYROID (TY)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	8	9	10	10
--HYPERPLASIA, C-CELL		1	0	0	0
--M-CARCINOMA, FOLLICULAR CELL		1	0	0	0
PARATHYROID (PT)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
PITUITARY (PI)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	4	8	5	5
--B-ADENOMA		4	1	4	2
--HYPERPLASIA		2	1	1	4
--ANGIECTASIS		1	0	3	3
HARDERIAN GLAND (HG)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	8	9	9
--INFILTRATE, LYMPHOHISTIOCYTIC		0	1	1	1
SALIV GL, MANDIB (SG)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-5-	-1-	-5-
NUMBER:		10	9	10	10
STOMACH, GL (ST)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	9	7	8	10
--EDEMA		0	0	1	0
--INFLAMMATION, ACUTE		1	0	2	0
--CONGESTION		0	1	0	0
--EROSION		0	1	0	0
STOMACH, NONGL (SU)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	9	9	10	10
--ACANTHOSIS / HYPERKERATOSIS		1	0	0	0
DUODENUM (DU)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
JEJUNUM (JE)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
ILEUM (IL)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
CECUM (CE)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-5-	-1-	-5-
NUMBER:		10	9	10	10
COLON (CO)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
RECTUM (RE)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	7	10	10
--PARASITISM		0	2	0	0
SKIN (SK)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	8	10
--ACANTHOSIS/HYPERKERATOSIS		0	0	2	0
--INFLAMMATION, CHRONIC-ACTIVE		0	0	2	0
--ULCERATION		0	0	2	0
--HEMORRHAGE		0	0	1	0
--DEGENERATION, MUSCLE, SUBCUTANEOUS		0	0	1	0
MAMMARY, FEMALE (MF)	NUMBER EXAMINED:	0	0	10	10
	NOT REMARKABLE:	0	0	3	2
--CYST / GALACTOCELE		0	0	3	2
--HYPERPLASIA, GLANDULAR		0	0	4	4
--SECRETORY MATERIAL		0	0	6	5
--M-FIBROSARCOMA		0	0	1	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-5-	-1-	-5-
NUMBER:		10	9	10	10
URINARY BLADDER (UB)	NUMBER EXAMINED:	10	9	10	9
	NOT REMARKABLE:	7	7	10	8
--INFILTRATE, LYMPHOHISTIOCYTIC		3	0	0	1
--PROTEINACEOUS MATERIAL, LUMINAL		0	2	0	0
UTERUS (UT)	NUMBER EXAMINED:	0	0	10	10
	NOT REMARKABLE:	0	0	10	7
--DILATATION		0	0	0	3
CERVIX (CV)	NUMBER EXAMINED:	0	0	10	10
	NOT REMARKABLE:	0	0	9	10
--CYST, SQUAMOUS		0	0	1	0
VAGINA (VA)	NUMBER EXAMINED:	0	0	10	9
	NOT REMARKABLE:	0	0	10	9
PROSTATE (PR)	NUMBER EXAMINED:	10	9	0	0
	NOT REMARKABLE:	4	6	0	0
--INFLAMMATION, CHRONIC-ACTIVE		5	3	0	0
--INFILTRATE, LYMPHOHISTIOCYTIC		1	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
	SEX:	--MALE--		-FEMALE-	
	GROUP:	-1-	-5-	-1-	-5-
	NUMBER:	10	9	10	10
SEMINAL VESICLES (SV)	NUMBER EXAMINED:	10	9	0	0
	NOT REMARKABLE:	10	9	0	0
EPIDIDYMIDES (EP)	NUMBER EXAMINED:	10	9	0	0
	NOT REMARKABLE:	9	7	0	0
--IMMATURE SPERM FORMS		0	1	0	0
--INFILTRATE, LYMPHOHISTIOCYTIC		1	1	0	0
HEMATO NEOPLASIA (HN)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	10	9	10	10
CAUSE OF DEATH (CD)	NUMBER EXAMINED:	10	9	10	10
	NOT REMARKABLE:	0	0	0	0
--SCHEDULED SACRIFICE		10	9	10	10
LN, MEDIASTINAL (ML)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
LN, AXILLARY (AX)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-5-	-1-	-5-
NUMBER:		10	9	10	10
LN, INGUINAL (IN)	NUMBER EXAMINED:	0	0	1	0
	NOT REMARKABLE:	0	0	0	0
--INFILTRATE, MACROPHAGE, PIGMENTED		0	0	1	0
--HEMORRHAGE		0	0	1	0
LN, OTHER (LN)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
LN, RENAL (RL)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
LN, MANDIBULAR (MN)	NUMBER EXAMINED:	1	0	2	1
	NOT REMARKABLE:	0	0	0	0
--HYPERPLASIA, LYMPHOPLASMACYTIC		0	0	2	0
--HEMORRHAGE		1	0	2	1
VERTEBRA/MARROW (VT)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
MAMMARY, MALE (MM)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-5-	-1-	-5-
NUMBER:		10	9	10	10
COAGULATING GL (CG)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
TAIL (TI)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
LN, LUMBAR/ILIAC (LM)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
CAVITY, ABDOM (PC)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
AUDITORY SEB GL (AS)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
PREPUTIAL GLAND (PG)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
FOOT/FOOTPAD (FP)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
	SEX:	--MALE--		-FEMALE-	
	GROUP:	-1-	-5-	-1-	-5-
	NUMBER:	10	9	10	10
AORTA (AO)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
CALVARIUM/SKULL (CA)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
LN, ANT MES/PANC (AP)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
HEAD, CORONAL (HC)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
JOINT, OTHER (JT)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
CLITORAL GLAND (CL)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
URETER (UE)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-5-	-1-	-5-
NUMBER:		10	9	10	10
ADIPOSE TISSUE (AT)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
DIAPHRAGM (DP)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
CAVITY, THORACIC (TA)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
LN, TRACHEOBRON (TB)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
LN, POPLITEAL (PP)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
MUSCLE, OTHER (MO)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
PERICARDIAL SAC (PD)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0

TABLE INCLUDES:
SEX=ALL;GROUP=1,5;WEEKS=ALL
DEATH=3;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---			
SEX:		--MALE--		-FEMALE-	
GROUP:		-1-	-5-	-1-	-5-
NUMBER:		10	9	10	10
PINNA (PN)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
ARTERY, OTHER (AU)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
AORTIC ARCH (AA)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
LN, ILEOCECAL (IC)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
VAS DEFERENS (VS)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
BILE DUCT (BD)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0
TRIGEMINAL NERVE (TG)	NUMBER EXAMINED:	0	0	0	0
	NOT REMARKABLE:	0	0	0	0

** END OF LIST **

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
	SEX:	----------MALE---------					---------FEMALE--------				
	GROUP:	-1-	-2-	-3-	-4-	-5-	-1-	-2-	-3-	-4-	-5-
ORGAN AND FINDING DESCRIPTION	NUMBER:	11	10	17	25	22	24	15	9	15	25
** TOP OF LIST **											
EYE (EY)	NUMBER EXAMINED:	11	0	0	0	22	24	0	0	0	25
	NOT REMARKABLE:	9	0	0	0	20	22	0	0	0	23
--DYSTROPHY, CORNEAL		2	0	0	0	2	1	0	0	0	2
IN EARLY STAGES, CONSISTS PRIMARILY OF FOCAL MINERALIZATION											
--DEGENERATION, RETINAL		0	0	0	0	0	1	0	0	0	0
BRAIN (BR)	NUMBER EXAMINED:	11	0	7	5	22	24	8	5	8	25
	NOT REMARKABLE:	9	0	3	0	14	11	1	2	1	14
--DILATATION, VENTRICULAR		0	0	0	0	1	2	2	1	0	1
--COMPRESSION, VENTRAL		2	0	4	5	6	10	7	3	5	11
--HEMORRHAGE		0	0	0	0	0	1	0	0	0	0
--MINERALIZATION		0	0	1	0	1	1	0	0	1	1
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	0	1	0	0	0	0	0
--I-CARCINOMA		0	0	0	0	0	1	0	0	1	0
LIVER (LI)	NUMBER EXAMINED:	11	10	17	25	22	24	15	9	15	25
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
--INFILTRATE, LYMPHOHISTIOCYTIC		11	10	13	23	20	17	14	6	12	23
--HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR		0	1	3	13	18	1	0	1	7	20
POLYKARYOCYTOSIS OCCASIONALLY NOTED											
--GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR		0	0	0	0	9	0	0	0	6	20
--PIGMENT, HEPATOCELLULAR, CENTRILOBULAR		0	0	0	0	3	0	0	0	1	17
--NECROSIS, INDIVIDUAL HEPATOCYTE		1	1	4	2	7	1	2	2	2	4
--VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR		0	0	5	7	8	0	0	0	0	2
--VACUOLATION, HEPATOCELLULAR, PERIPORTAL		0	0	5	4	3	7	5	6	4	11

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
	SEX:	----------MALE---------					---------FEMALE--------				
	GROUP:	-1-	-2-	-3-	-4-	-5-	-1-	-2-	-3-	-4-	-5-
ORGAN AND FINDING DESCRIPTION	NUMBER:	11	10	17	25	22	24	15	9	15	25
** FROM PREVIOUS PAGE **											
LIVER (LI)	NUMBER EXAMINED:	11	10	17	25	22	24	15	9	15	25
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
--FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL		7	7	10	20	17	18	6	6	8	15
--FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC		9	3	12	16	10	11	11	5	10	15
--DEGENERATION, CYSTIC		3	4	8	13	14	0	0	1	0	1
--NECROSIS, COAGULATIVE		0	1	0	0	1	0	0	1	1	2
--CONGESTION		0	0	0	0	0	1	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	0	1	0	0	0	0	0
--HEMATOPOIESIS, EXTRAMEDULLARY		1	0	2	1	3	2	2	4	4	6
--HYPERPLASIA, BILE DUCT		8	5	8	13	15	14	10	3	7	14
--FIBROSIS, PERIBILIARY		4	2	4	4	8	7	7	2	3	5
--HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL		0	0	2	0	0	9	1	1	2	2
--INFILTRATE, MACROPHAGE, PIGMENTED		0	0	0	0	1	1	0	0	1	11
--VACUOLATION, HEPATOCELLULAR		2	1	0	0	0	0	0	0	0	1
--DEGENERATION / NECROSIS, CENTRILOBULAR		0	0	0	1	0	0	0	0	0	0
--CYST, BILIARY		0	0	0	0	0	1	0	0	0	2
--ANGIECTASIS		0	0	1	0	1	4	1	2	1	0
--B-ADENOMA, HEPATOCELLULAR		0	1	1	0	6	0	1	0	1	4
--LIPIDOSIS, SUBCAPSULAR (TENSION LIPIDOSIS)		0	0	2	1	0	1	0	0	2	0
--N-CARCINOMA		0	0	0	1	0	0	0	0	0	0
LIVER-OIL RED O (LI0)	NUMBER EXAMINED:	5	0	0	0	5	5	0	0	0	5
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
--VACUOLES, OIL RED O-POSITIVE, HEPATOCELLULAR		5	0	0	0	5	5	0	0	0	5

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
	SEX:	----------MALE---------					---------FEMALE--------				
	GROUP:	-1-	-2-	-3-	-4-	-5-	-1-	-2-	-3-	-4-	-5-
ORGAN AND FINDING DESCRIPTION	NUMBER:	11	10	17	25	22	24	15	9	15	25
KIDNEY (KD)	NUMBER EXAMINED:	11	10	17	25	22	24	15	9	15	25
	NOT REMARKABLE:	1	0	1	0	0	0	2	1	2	0
--NEPHROPATHY, CHRONIC PROGRESSIVE		10	10	16	24	22	21	11	8	10	22
--DILATATION, PELVIC		0	0	0	0	2	2	0	0	0	1
--MINERALIZATION, PELVIC		2	0	3	5	1	18	11	6	12	18
--MINERALIZATION, TUBULAR		0	0	0	1	0	3	2	1	0	4
--VACUOLATION, TUBULAR EPITHELIUM		0	0	0	0	0	1	0	0	0	0
--HYALINE DROPLETS, TUBULAR EPITHELIUM		0	0	0	0	1	0	0	0	0	0
--HYPERPLASIA, TRANSITIONAL CELL		1	0	1	3	0	3	2	1	1	3
--INFLAMMATION, SUPPURATIVE, PELVIC		1	0	0	1	0	1	1	1	1	0
--INFLAMMATION, CHRONIC-ACTIVE, PELVIC		0	1	1	0	0	0	0	0	0	0
--ECTASIA, TUBULAR		0	0	0	1	0	0	0	0	0	0
--CYST		0	2	0	2	0	1	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		0	0	0	0	1	1	0	0	0	0
--M-CARCINOMA, TUBULAR CELL		0	0	0	0	0	1	0	0	0	0
--THROMBUS		0	0	0	2	1	0	0	0	0	0
--B-LIPOMA		0	0	0	0	1	1	0	0	0	0
--M-RENAL MESENCHYMAL TUMOR		0	0	1	0	0	0	0	0	0	0
--DEGENERATION TUBULAR		0	0	0	0	0	1	0	0	0	0
--INFARCT		0	0	0	0	0	1	0	0	0	0
SPLEEN (SP)	NUMBER EXAMINED:	11	0	0	0	22	24	0	0	1	25
	NOT REMARKABLE:	1	0	0	0	6	0	0	0	0	1
--PIGMENT, INCREASED		4	0	0	0	6	15	0	0	0	18
--HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED		8	0	0	0	13	21	0	0	1	17
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	0	1	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
	SEX:	----------MALE---------					---------FEMALE--------				
	GROUP:	-1-	-2-	-3-	-4-	-5-	-1-	-2-	-3-	-4-	-5-
ORGAN AND FINDING DESCRIPTION	NUMBER:	11	10	17	25	22	24	15	9	15	25
** FROM PREVIOUS PAGE **											
SPLEEN (SP)	NUMBER EXAMINED:	11	0	0	0	22	24	0	0	1	25
	NOT REMARKABLE:	1	0	0	0	6	0	0	0	0	1
--HYPERPLASIA, LYMPHORETICULAR		0	0	0	0	0	0	0	0	1	0
PANCREAS (PA)	NUMBER EXAMINED:	11	10	17	25	22	24	15	9	15	25
	NOT REMARKABLE:	3	1	1	3	3	14	10	6	5	13
--ZYMOGEN GRANULES, DECREASED		1	1	3	4	7	1	2	1	1	4
--INFILTRATE, LYMPHOHISTIOCYTIC		0	0	1	2	0	0	0	0	0	0
--INFILTRATE, MACROPHAGE, PIGMENTED		2	1	4	3	1	1	0	0	0	0
--HYPERPLASIA, ISLET CELLS		0	1	1	0	1	0	0	0	0	0
--ATROPHY, ACINAR		2	3	3	4	4	0	2	1	1	2
--HYPERTROPHY / BASOPHILIA, ACINAR CELL		1	1	0	0	2	1	1	0	1	0
--M-CARCINOMA, ISLET CELL		0	0	1	5	4	0	0	0	0	0
--B-ADENOMA, ISLET CELL		0	1	2	2	2	2	1	1	0	2
--INFILTRATION, FAT, INTERSTITIAL		6	6	13	10	6	6	2	2	7	5
--INFLAMMATION, VASCULAR		1	0	0	3	1	0	0	0	0	0
--FIBROSIS		0	0	0	0	0	0	0	0	0	1
--ECTOPIC HEPATOCYTES		0	0	0	1	0	0	0	0	0	0
--B-FIBROMA		0	0	0	0	0	0	0	0	0	1
--INFLAMMATION, CHRONIC-ACTIVE		0	0	0	0	0	0	0	1	0	1
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	11	2	0	1	22	24	5	1	5	25
	NOT REMARKABLE:	1	0	0	0	2	0	0	0	0	2
--VACUOLATION, FOCAL		2	0	0	0	8	4	0	0	0	1
--ANGIECTASIS		1	1	0	0	0	14	1	0	1	6

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
	SEX:	----------MALE---------					---------FEMALE--------				
	GROUP:	-1-	-2-	-3-	-4-	-5-	-1-	-2-	-3-	-4-	-5-
ORGAN AND FINDING DESCRIPTION	NUMBER:	11	10	17	25	22	24	15	9	15	25
** FROM PREVIOUS PAGE **											
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	11	2	0	1	22	24	5	1	5	25
	NOT REMARKABLE:	1	0	0	0	2	0	0	0	0	2
--HEMATOPOIESIS, EXTRAMEDULLARY		0	0	0	0	0	1	0	1	0	0
--HYPERTROPHY, CORTICAL CELL		3	0	0	0	8	16	4	1	3	16
--DEGENERATION, CYSTIC / HEMORRHAGIC		1	0	0	0	1	11	3	1	3	13
--HYPERPLASIA, CORTICAL		2	0	0	0	3	4	0	0	1	1
--PIGMENT		9	0	0	1	13	22	5	1	4	23
--B-ADENOMA		1	0	0	0	1	0	0	0	1	1
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	0	1	0	0	0	0	0
--CORTICAL TISSUE, EXTRACAPSULAR		0	1	0	0	0	0	0	0	0	0
ADRENAL, MEDULLA (MA)	NUMBER EXAMINED:	11	2	0	1	22	24	5	1	5	25
	NOT REMARKABLE:	8	1	0	0	15	18	3	0	2	19
--UNILATERALLY EXAMINED		1	0	0	0	1	3	1	1	2	3
--HYPERPLASIA, MEDULLARY		2	0	0	0	3	1	0	0	0	1
--B-PHEOCHROMOCYTOMA		1	1	0	1	2	3	1	0	1	3
--M-MALIGNANT PHEOCHROMOCYTOMA		0	0	0	0	1	0	0	0	0	0
LN, MESENTERIC (MS)	NUMBER EXAMINED:	11	0	0	1	22	24	3	0	0	25
	NOT REMARKABLE:	10	0	0	0	20	23	1	0	0	23
--HEMORRHAGE		1	0	0	0	0	1	1	0	0	1
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	0	1	0	0	0	0	0
--HYPERPLASIA, LYMPHOPLASMACYTIC		0	0	0	1	1	0	0	0	0	0
--INFILTRATE, MACROPHAGE, PIGMENTED		0	0	0	0	0	1	1	0	0	0
--INFLAMMATION, VASCULAR		0	0	0	1	0	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---									
SEX:		----------MALE----------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-5-	-1-	-2-	-3-	-4-	-5-
NUMBER:		11	10	17	25	22	24	15	9	15	25
** FROM PREVIOUS PAGE **											
LN, MESENTERIC (MS)	NUMBER EXAMINED:	11	0	0	1	22	24	3	0	0	25
	NOT REMARKABLE:	10	0	0	0	20	23	1	0	0	23
--LYMPHANGIECTASIS		0	0	0	0	0	0	0	0	0	1
OVARY (OV)	NUMBER EXAMINED:	0	0	0	0	0	24	2	2	6	25
	NOT REMARKABLE:	0	0	0	0	0	15	0	1	0	12
--CYST		0	0	0	0	0	8	2	0	6	10
--HYPERPLASIA, GRANULOSA CELL		0	0	0	0	0	2	0	0	0	5
--UNILATERALLY EXAMINED		0	0	0	0	0	0	0	1	0	2
TESTIS (TE)	NUMBER EXAMINED:	11	10	17	25	22	0	0	0	0	0
	NOT REMARKABLE:	9	4	10	17	15	0	0	0	0	0
--ATROPHY/DEGENERATION		2	4	5	4	5	0	0	0	0	0
--INFLAMMATION, VASCULAR		0	2	1	3	0	0	0	0	0	0
--MINERALIZATION, VASCULAR		0	1	0	1	1	0	0	0	0	0
--HYPERPLASIA, INTERSTITIAL CELL (LEYDIG CELL)		0	0	1	0	1	0	0	0	0	0
--B-INTERSTITIAL CELL TUMOR		0	1	2	2	0	0	0	0	0	0
--INFILTRATE, LYMPHOHISTIOCYTIC		0	0	1	0	1	0	0	0	0	0
BONE, FEMUR (FE)	NUMBER EXAMINED:	11	0	0	0	22	24	0	0	0	25
	NOT REMARKABLE:	11	0	0	0	22	24	0	0	0	25

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---									
SEX:		----------MALE----------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-5-	-1-	-2-	-3-	-4-	-5-
NUMBER:		11	10	17	25	22	24	15	9	15	25
MARROW, FEMUR (FM)	NUMBER EXAMINED:	11	0	0	0	22	24	0	0	0	25
	NOT REMARKABLE:	11	0	0	0	21	14	0	0	0	18
--HYPOCELLULAR, MARROW		0	0	0	0	1	5	0	0	0	2
--HYPERPLASIA, MYELOID, MARROW		0	0	0	0	0	5	0	0	0	4
--HYPERPLASIA, ERYTHROID, MARROW		0	0	0	0	0	0	0	0	0	1
MARROW, STERNUM (SE)	NUMBER EXAMINED:	11	0	0	0	22	24	0	0	0	25
	NOT REMARKABLE:	11	0	0	0	22	19	0	0	0	21
--HYPERPLASIA, MYELOID, MARROW		0	0	0	0	0	5	0	0	0	3
--HYPERPLASIA, ERYTHROID, MARROW		0	0	0	0	0	0	0	0	0	1
BONE, STERNUM (SB)	NUMBER EXAMINED:	11	0	0	0	22	24	0	0	0	25
	NOT REMARKABLE:	11	0	0	0	21	23	0	0	0	24
--X-HEMATOPOIETIC NEOPLASIA (SEE HN)		0	0	0	0	1	0	0	0	0	0
--HYPERPLASIA, CARTILAGINOUS		0	0	0	0	0	1	0	0	0	1
SPINAL CORD (SC)	NUMBER EXAMINED:	11	0	0	0	22	24	0	0	0	25
	NOT REMARKABLE:	11	0	0	0	22	23	0	0	0	25
--DEGENERATION, AXONAL		0	0	0	0	0	1	0	0	0	0
--INFILTRATE, LYMPHOHISTIOCYTIC		0	0	0	0	0	1	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---									
SEX:		----------MALE----------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-5-	-1-	-2-	-3-	-4-	-5-
NUMBER:		11	10	17	25	22	24	15	9	15	25
THYMUS (TH)	NUMBER EXAMINED:	9	0	0	1	19	22	0	0	0	25
	NOT REMARKABLE:	2	0	0	0	1	4	0	0	0	5
--DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY)		7	0	0	1	18	17	0	0	0	20
--HYPERPLASIA, LYMPHORETICULAR		0	0	0	0	0	1	0	0	0	0
LUNG (LU)	NUMBER EXAMINED:	11	10	17	24	22	24	15	9	15	25
	NOT REMARKABLE:	2	7	10	11	10	14	8	4	8	8
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	0	1	0	0	0	0	0
--MINERALIZATION, VASCULAR		6	1	5	10	7	3	1	1	5	7
--N-CARCINOMA		0	0	0	1	0	1	1	0	0	1
--HEMORRHAGE		0	0	0	0	1	0	0	0	0	0
--INFILTRATE, MACROPHAGE, ALVEOLAR		4	2	1	1	6	6	4	5	4	12
--INFILTRATE, LYMPHOHISTIOCYTIC		2	0	2	0	1	2	1	0	2	5
--HYPERPLASIA, TYPE II PNEUMOCYTE		1	0	2	0	2	0	1	0	1	1
--N-SARCOMA		0	0	0	1	0	0	0	0	0	0
--FIBROSIS, PLEURAL/SUBPLEURAL		0	0	0	0	0	0	0	0	0	1
HEART (HT)	NUMBER EXAMINED:	11	0	0	0	22	24	0	0	0	25
	NOT REMARKABLE:	0	0	0	0	1	12	0	0	0	11
--CARDIOMYOPATHY		11	0	0	0	21	12	0	0	0	13
--MINERALIZATION, VASCULAR		0	0	0	0	1	0	0	0	0	0
--M-ENDOCARDIAL SCHWANNOMA		0	0	0	0	0	0	0	0	0	1

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

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---									
SEX:		----------MALE----------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-5-	-1-	-2-	-3-	-4-	-5-
NUMBER:		11	10	17	25	22	24	15	9	15	25
MUSCLE, SKELETAL (SM)	NUMBER EXAMINED:	11	0	0	0	22	24	0	0	1	25
	NOT REMARKABLE:	10	0	0	0	20	24	0	0	1	25
--DEGENERATION		0	0	0	0	1	0	0	0	0	0
--ATROPHY		0	0	0	0	1	0	0	0	0	0
--M-SARCOMA, UNDIFFERENTIATED		1	0	0	0	0	0	0	0	0	0
NERVE, SCIATIC (SN)	NUMBER EXAMINED:	11	0	0	0	22	24	0	0	0	25
	NOT REMARKABLE:	11	0	0	0	21	24	0	0	0	25
--DEGENERATION		0	0	0	0	1	0	0	0	0	0
TRACHEA (TR)	NUMBER EXAMINED:	11	0	0	0	22	24	0	0	0	25
	NOT REMARKABLE:	11	0	0	0	21	24	0	0	0	25
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	0	1	0	0	0	0	0
ESOPHAGUS (ES)	NUMBER EXAMINED:	11	0	0	0	22	24	0	0	0	25
	NOT REMARKABLE:	11	0	0	0	21	24	0	0	0	25
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	0	1	0	0	0	0	0
THYROID (TY)	NUMBER EXAMINED:	11	10	17	24	22	24	15	9	15	25
	NOT REMARKABLE:	4	3	5	5	6	10	4	0	4	9
--HYPERPLASIA, C-CELL		3	3	6	5	7	10	8	6	9	13
--M-CARCINOMA, FOLLICULAR CELL		1	0	1	2	0	0	0	0	1	0
--DILATATION / CYST, FOLLICULAR		2	1	2	6	4	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
	SEX:	----------MALE---------					---------FEMALE--------				
	GROUP:	-1-	-2-	-3-	-4-	-5-	-1-	-2-	-3-	-4-	-5-
ORGAN AND FINDING DESCRIPTION	NUMBER:	11	10	17	25	22	24	15	9	15	25
** FROM PREVIOUS PAGE **											
THYROID (TY)	NUMBER EXAMINED:	11	10	17	24	22	24	15	9	15	25
	NOT REMARKABLE:	4	3	5	5	6	10	4	0	4	9
--B-ADENOMA, C-CELL		1	2	3	9	3	6	3	2	1	4
--B-ADENOMA, FOLLICULAR CELL		0	2	2	2	4	0	0	0	1	1
--HYPERTROPHY, FOLLICULAR CELL		0	0	1	0	0	0	0	0	0	0
--M-CARCINOMA, C-CELL		0	0	1	0	0	0	1	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	0	1	0	0	0	0	0
--B-HIBERNOMA		0	0	0	0	0	0	0	0	0	1
--COLLOID, DECREASED		0	0	0	0	0	0	0	1	0	0
PARATHYROID (PT)	NUMBER EXAMINED:	11	10	17	24	22	24	14	9	15	24
	NOT REMARKABLE:	9	9	16	19	20	24	14	9	14	23
--HYPERPLASIA		1	1	0	4	2	0	0	0	1	0
--B-ADENOMA		1	0	1	1	0	0	0	0	0	1
PITUITARY (PI)	NUMBER EXAMINED:	11	5	13	11	22	24	15	6	11	25
	NOT REMARKABLE:	2	0	0	0	2	1	0	0	0	4
--B-ADENOMA		7	2	11	11	17	16	10	4	7	17
--HYPERPLASIA		3	3	4	2	6	10	6	2	4	6
--ANGIECTASIS		0	0	0	0	0	0	1	1	0	2
--CYST		0	0	1	1	0	0	0	0	1	2
--M-CARCINOMA		0	0	0	0	0	0	0	0	1	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
	SEX:	----------MALE---------					---------FEMALE--------				
	GROUP:	-1-	-2-	-3-	-4-	-5-	-1-	-2-	-3-	-4-	-5-
ORGAN AND FINDING DESCRIPTION	NUMBER:	11	10	17	25	22	24	15	9	15	25
HARDERIAN GLAND (HG)	NUMBER EXAMINED:	11	0	1	0	22	24	0	0	0	25
	NOT REMARKABLE:	9	0	1	0	20	21	0	0	0	22
--INFILTRATE, LYMPHOHISTIOCYTIC		2	0	0	0	2	3	0	0	0	3
SALIV GL, MANDIB (SG)	NUMBER EXAMINED:	11	0	0	0	22	24	0	0	0	25
	NOT REMARKABLE:	11	0	0	0	22	24	0	0	0	25
STOMACH, GL (ST)	NUMBER EXAMINED:	11	6	6	5	22	24	2	1	0	25
	NOT REMARKABLE:	7	1	0	3	14	23	2	0	0	23
--EDEMA		0	1	0	0	0	0	0	0	0	0
--INFLAMMATION, ACUTE		0	1	1	0	0	1	0	1	0	1
--EROSION		0	0	0	2	2	0	0	1	0	1
--INFLAMMATION, CHRONIC-ACTIVE		2	0	1	1	1	0	0	0	0	1
--ULCERATION		0	0	1	0	0	0	0	0	0	1
--HYPERPLASIA, EPITHELIAL, GLANDULAR		4	4	6	0	6	0	0	0	0	0
--MINERALIZATION, GLANDULAR MUCOSA		0	0	0	0	1	0	0	0	0	0
--FIBROSIS		0	0	0	0	1	0	0	0	0	0
STOMACH, NONGL (SU)	NUMBER EXAMINED:	11	0	0	0	22	24	1	0	0	25
	NOT REMARKABLE:	11	0	0	0	22	24	0	0	0	24
--ACANTHOSIS / HYPERKERATOSIS		0	0	0	0	0	0	1	0	0	1
--ULCERATION		0	0	0	0	0	0	0	0	0	1
--INFLAMMATION, CHRONIC-ACTIVE		0	0	0	0	0	0	1	0	0	1

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
SEX:		----------MALE---------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-5-	-1-	-2-	-3-	-4-	-5-
NUMBER:		11	10	17	25	22	24	15	9	15	25
DUODENUM (DU)	NUMBER EXAMINED:	11	0	0	0	22	24	0	0	0	25
	NOT REMARKABLE:	10	0	0	0	22	24	0	0	0	25
--INFLAMMATION, CHRONIC-ACTIVE		1	0	0	0	0	0	0	0	0	0
JEJUNUM (JE)	NUMBER EXAMINED:	11	0	0	0	22	24	0	0	0	25
	NOT REMARKABLE:	11	0	0	0	22	24	0	0	0	25
ILEUM (IL)	NUMBER EXAMINED:	11	0	0	0	22	24	0	0	0	25
	NOT REMARKABLE:	10	0	0	0	22	23	0	0	0	23
--INFLAMMATION, CHRONIC-ACTIVE		1	0	0	0	0	0	0	0	0	1
--HYPERPLASIA, GALT (GUT ASSOCIATED LYMPHOID TISSUE)		0	0	0	0	0	1	0	0	0	1
CECUM (CE)	NUMBER EXAMINED:	11	0	0	0	22	24	0	0	0	25
	NOT REMARKABLE:	10	0	0	0	22	24	0	0	0	24
--INFLAMMATION, CHRONIC-ACTIVE		1	0	0	0	0	0	0	0	0	1
COLON (CO)	NUMBER EXAMINED:	11	0	0	0	22	24	1	0	0	25
	NOT REMARKABLE:	8	0	0	0	22	23	0	0	0	24
--PARASITISM		2	0	0	0	0	0	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		1	0	0	0	0	0	0	0	0	1
--DIVERTICULUM		0	0	0	0	0	1	0	0	0	0
--B-LEIOMYOMA		0	0	0	0	0	0	1	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
	SEX:	----------MALE---------					---------FEMALE--------				
	GROUP:	-1-	-2-	-3-	-4-	-5-	-1-	-2-	-3-	-4-	-5-
ORGAN AND FINDING DESCRIPTION	NUMBER:	11	10	17	25	22	24	15	9	15	25
RECTUM (RE)	NUMBER EXAMINED:	11	0	0	0	22	23	0	0	0	25
	NOT REMARKABLE:	9	0	0	0	21	23	0	0	0	20
--PARASITISM		1	0	0	0	1	0	0	0	0	4
--INFLAMMATION, CHRONIC-ACTIVE		1	0	0	0	0	0	0	0	0	1
SKIN (SK)	NUMBER EXAMINED:	11	3	4	6	22	24	1	0	0	25
	NOT REMARKABLE:	10	0	0	0	15	23	0	0	0	21
--ACANTHOSIS/HYPERKERATOSIS		1	0	0	1	0	0	0	0	0	1
--INFLAMMATION, CHRONIC-ACTIVE		1	1	0	1	2	0	1	0	0	1
--ULCERATION		0	0	0	1	0	0	0	0	0	1
--HEMORRHAGE		0	0	0	0	0	0	1	0	0	0
--CYST, EPIDERMAL INCLUSION		1	0	0	0	2	0	0	0	0	1
--SUPERFICIAL CRUSTING		1	0	0	0	1	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	0	1	0	0	0	0	0
--B-KERATOACANTHOMA		0	2	1	3	3	0	0	0	0	0
--M-FIBROSARCOMA		0	0	0	1	0	0	0	0	0	0
--B-FIBROMA		0	1	2	1	0	0	0	0	0	1
--FIBROSIS		0	1	0	1	1	0	0	0	0	0
--B-ADENOMA, BASAL CELL/SQUAMOUS/SEBACEOUS		0	0	1	0	0	1	0	0	0	0
--B-LIPOMA		0	0	0	0	1	0	1	0	0	1
--M-CARCINOMA, SQUAMOUS CELL		0	1	0	0	0	0	0	0	0	0
--EDEMA		0	0	0	0	1	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
	SEX:	----------MALE---------					---------FEMALE--------				
	GROUP:	-1-	-2-	-3-	-4-	-5-	-1-	-2-	-3-	-4-	-5-
ORGAN AND FINDING DESCRIPTION	NUMBER:	11	10	17	25	22	24	15	9	15	25
MAMMARY, FEMALE (MF)	NUMBER EXAMINED:	0	0	0	0	0	24	15	9	15	25
	NOT REMARKABLE:	0	0	0	0	0	0	1	1	0	1
--M-CARCINOMA		0	0	0	0	0	5	1	1	1	6
--CYST / GALACTOCELE		0	0	0	0	0	13	9	3	6	11
--INFLAMMATION, CHRONIC-ACTIVE		0	0	0	0	0	2	0	0	0	0
--B-FIBROADENOMA		0	0	0	0	0	12	9	5	6	7
--HYPERPLASIA, GLANDULAR		0	0	0	0	0	19	10	6	12	21
--M-FIBROSARCOMA		0	0	0	0	0	0	0	0	1	1
--B-ADENOMA		0	0	0	0	0	3	2	1	2	1
--FIBROSIS		0	0	0	0	0	1	0	0	0	0
URINARY BLADDER (UB)	NUMBER EXAMINED:	11	10	17	25	22	24	15	9	15	25
	NOT REMARKABLE:	10	5	13	17	17	23	11	9	15	23
--INFILTRATE, LYMPHOHISTIOCYTIC		0	3	1	4	0	0	4	0	0	2
--PROTEINACEOUS MATERIAL, LUMINAL		1	2	3	4	4	0	0	0	0	0
--HYPERPLASIA, TRANSITIONAL CELL		0	0	1	3	1	0	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		0	0	0	1	0	0	0	0	0	0
--DIVERTICULUM		0	0	0	0	0	1	0	0	0	0
UTERUS (UT)	NUMBER EXAMINED:	0	0	0	0	0	24	4	3	6	25
	NOT REMARKABLE:	0	0	0	0	0	14	0	1	0	13
--DILATATION		0	0	0	0	0	4	1	0	2	2
--B-POLYP, ENDOMETRIAL, STROMAL		0	0	0	0	0	0	1	0	0	3
--HYPERPLASIA, CYSTIC, ENDOMETRIAL		0	0	0	0	0	6	2	2	3	8
--HEMORRHAGE		0	0	0	0	0	0	0	0	1	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---									
SEX:		----------MALE----------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-5-	-1-	-2-	-3-	-4-	-5-
NUMBER:		11	10	17	25	22	24	15	9	15	25
** FROM PREVIOUS PAGE **											
UTERUS (UT)	NUMBER EXAMINED:	0	0	0	0	0	24	4	3	6	25
	NOT REMARKABLE:	0	0	0	0	0	14	0	1	0	13
--B-ADENOMA		0	0	0	0	0	0	0	0	1	0
CERVIX (CV)	NUMBER EXAMINED:	0	0	0	0	0	24	0	2	2	25
	NOT REMARKABLE:	0	0	0	0	0	21	0	0	0	21
--HYPERPLASIA, MUCINOUS		0	0	0	0	0	3	0	1	1	2
--HYPERPLASIA, STROMAL		0	0	0	0	0	0	0	1	0	0
--M-SARCOMA, STROMAL		0	0	0	0	0	0	0	0	0	2
--HYPERPLASIA, CYSTIC		0	0	0	0	0	0	0	0	1	0
--HEMORRHAGE		0	0	0	0	0	0	0	0	0	1
VAGINA (VA)	NUMBER EXAMINED:	0	0	0	0	0	24	0	1	1	25
	NOT REMARKABLE:	0	0	0	0	0	9	0	0	0	13
--LUMEN, EXUDATE		0	0	0	0	0	4	0	0	0	4
--HYPERPLASIA, MUCINOUS		0	0	0	0	0	11	0	1	1	8
--I-CARCINOMA		0	0	0	0	0	1	0	0	0	0
PROSTATE (PR)	NUMBER EXAMINED:	11	1	5	4	22	0	0	0	0	0
	NOT REMARKABLE:	2	0	0	0	5	0	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		9	1	5	4	17	0	0	0	0	0
--HYPERPLASIA, EPITHELIAL		0	0	0	1	0	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
	SEX:	----------MALE---------					---------FEMALE--------				
	GROUP:	-1-	-2-	-3-	-4-	-5-	-1-	-2-	-3-	-4-	-5-
ORGAN AND FINDING DESCRIPTION	NUMBER:	11	10	17	25	22	24	15	9	15	25
SEMINAL VESICLES (SV)	NUMBER EXAMINED:	11	0	1	1	22	0	0	0	0	0
	NOT REMARKABLE:	8	0	1	0	18	0	0	0	0	0
--SECRETION, DECREASED		2	0	0	0	0	0	0	0	0	0
--SECRETION, INCREASED		1	0	0	0	1	0	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		0	0	0	1	3	0	0	0	0	0
EPIDIDYMIDES (EP)	NUMBER EXAMINED:	11	0	0	0	22	0	0	0	0	0
	NOT REMARKABLE:	9	0	0	0	19	0	0	0	0	0
--INFILTRATE, LYMPHOHISTIOCYTIC		2	0	0	0	0	0	0	0	0	0
--HYPOSPERMIA		0	0	0	0	3	0	0	0	0	0
--VACUOLATION, TUBULAR EPITHELIUM		0	0	0	0	1	0	0	0	0	0
HEMATO NEOPLASIA (HN)	NUMBER EXAMINED:	11	0	0	0	22	24	0	0	0	25
	NOT REMARKABLE:	11	0	0	0	20	24	0	0	0	25
--M-LYMPHOMA		0	0	0	0	1	0	0	0	0	0
--M-SARCOMA, HISTIOCYTIC		0	0	0	0	1	0	0	0	0	0
CAUSE OF DEATH (CD)	NUMBER EXAMINED:	11	10	17	25	22	24	15	9	15	25
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
--SCHEDULED SACRIFICE		11	10	17	25	22	24	15	9	15	25

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---									
	SEX:	----------MALE----------					---------FEMALE--------				
	GROUP:	-1-	-2-	-3-	-4-	-5-	-1-	-2-	-3-	-4-	-5-
	NUMBER:	11	10	17	25	22	24	15	9	15	25
LN, MEDIASTINAL (ML)	NUMBER EXAMINED:	0	0	0	2	0	1	0	0	0	2
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
--HEMORRHAGE		0	0	0	0	0	0	0	0	0	1
--HYPERPLASIA, LYMPHOPLASMACYTIC		0	0	0	1	0	1	0	0	0	1
--LYMPHANGIECTASIS		0	0	0	2	0	0	0	0	0	1
LN, AXILLARY (AX)	NUMBER EXAMINED:	4	2	2	3	6	7	4	2	5	6
	NOT REMARKABLE:	3	0	0	2	4	3	0	1	1	2
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	0	1	0	0	0	0	0
--HEMORRHAGE		0	0	1	1	1	2	0	0	1	1
--HYPERPLASIA, LYMPHOPLASMACYTIC		0	2	2	1	1	2	4	1	4	4
--INFILTRATE, MACROPHAGE, PIGMENTED		1	0	0	1	0	1	2	0	1	0
LN, INGUINAL (IN)	NUMBER EXAMINED:	0	1	0	0	0	3	1	0	0	1
	NOT REMARKABLE:	0	1	0	0	0	2	0	0	0	0
--HYPERPLASIA, LYMPHOPLASMACYTIC		0	0	0	0	0	0	1	0	0	0
--INFILTRATE, MACROPHAGE, PIGMENTED		0	0	0	0	0	0	0	0	0	1
--HEMORRHAGE		0	0	0	0	0	0	0	0	0	1
--N-CARCINOMA		0	0	0	0	0	1	0	0	0	0
LN, OTHER (LN)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	1
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
--HEMORRHAGE		0	0	0	0	0	0	0	0	0	1
--INFILTRATE, MACROPHAGE, PIGMENTED		0	0	0	0	0	0	0	0	0	1

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---									
SEX:		----------MALE----------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-5-	-1-	-2-	-3-	-4-	-5-
NUMBER:		11	10	17	25	22	24	15	9	15	25
LN, RENAL (RL)	NUMBER EXAMINED:	0	1	0	1	2	2	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
--HYPERPLASIA, LYMPHOPLASMACYTIC		0	0	0	1	0	1	0	0	0	0
--HEMORRHAGE		0	1	0	0	2	1	0	0	0	0
--INFILTRATE, MACROPHAGE, PIGMENTED		0	0	0	0	0	1	0	0	0	0
--DILATATION, SINUSOIDAL		0	0	0	0	2	0	0	0	0	0
LN, MANDIBULAR (MN)	NUMBER EXAMINED:	2	1	1	2	2	5	2	0	3	3
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	2
--HYPERPLASIA, LYMPHOPLASMACYTIC		2	1	1	1	2	3	1	0	2	1
--HEMORRHAGE		1	0	0	1	2	5	1	0	1	0
--LYMPHANGIECTASIS		1	0	0	0	0	0	0	0	0	0
--INFILTRATE, MACROPHAGE, PIGMENTED		0	0	0	0	1	0	0	0	0	0
VERTEBRA/MARROW (VT)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
MAMMARY, MALE (MM)	NUMBER EXAMINED:	2	1	1	1	2	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
--GALACTOCELE		1	1	1	0	1	0	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		2	0	0	0	0	0	0	0	0	0
--B-FIBROADENOMA		0	0	0	1	1	0	0	0	0	0
--M-CARCINOMA		1	0	0	0	0	0	0	0	0	0
--B-ADENOMA		0	0	0	0	1	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---									
SEX:		----------MALE----------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-5-	-1-	-2-	-3-	-4-	-5-
NUMBER:		11	10	17	25	22	24	15	9	15	25
COAGULATING GL (CG)	NUMBER EXAMINED:	1	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		1	0	0	0	0	0	0	0	0	0
TAIL (TI)	NUMBER EXAMINED:	3	0	0	1	0	0	0	0	1	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		0	0	0	0	0	0	0	0	1	0
--CYST, EPIDERMAL INCLUSION		2	0	0	0	0	0	0	0	0	0
--ACANTHOSIS / HYPERKERATOSIS		1	0	0	0	0	0	0	0	0	0
--B-KERATOACANTHOMA		0	0	0	1	0	0	0	0	0	0
--M-LIPOSARCOMA		0	0	0	0	0	0	0	0	1	0
LN, LUMBAR/ILIAC (LM)	NUMBER EXAMINED:	2	0	1	4	0	1	1	2	4	7
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	2	1
--LYMPHANGIECTASIS		1	0	1	3	0	0	0	0	0	0
--HYPERPLASIA, LYMPHOPLASMACYTIC		0	0	1	3	0	0	1	2	2	5
--HEMORRHAGE		1	0	0	0	0	0	0	0	0	2
--INFILTRATE, MACROPHAGE, PIGMENTED		1	0	0	0	0	0	0	0	1	0
--N-CARCINOMA		0	0	0	0	0	1	0	0	0	0
CAVITY, ABDOM (PC)	NUMBER EXAMINED:	1	0	0	1	0	1	1	0	0	3
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
--INFLAMMATION / NECROSIS, FAT		1	0	0	0	0	0	1	0	0	3
--INFLAMMATION, CHRONIC-ACTIVE		1	0	0	0	0	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---									
SEX:		----------MALE----------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-5-	-1-	-2-	-3-	-4-	-5-
NUMBER:		11	10	17	25	22	24	15	9	15	25
** FROM PREVIOUS PAGE **											
CAVITY, ABDOM (PC)	NUMBER EXAMINED:	1	0	0	1	0	1	1	0	0	3
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
--INFLAMMATION, VASCULAR		0	0	0	1	0	0	0	0	0	0
--THROMBUS		0	0	0	1	0	0	0	0	0	0
--M-LIPOSARCOMA		0	0	0	0	0	1	0	0	0	0
AUDITORY SEB GL (AS)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
PREPUTIAL GLAND (PG)	NUMBER EXAMINED:	0	0	1	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		0	0	1	0	0	0	0	0	0	0
--ECTASIA, DUCTAL		0	0	1	0	0	0	0	0	0	0
FOOT/FOOTPAD (FP)	NUMBER EXAMINED:	0	2	3	3	0	0	2	1	0	4
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		0	2	3	3	0	0	2	1	0	4
--ULCERATION		0	2	3	2	0	0	1	1	0	2
--ACANTHOSIS / HYPERKERATOSIS		0	1	3	3	0	0	2	1	0	3
--FIBROSIS		0	0	0	0	0	0	1	0	0	1
--BACTERIA		0	1	0	1	0	0	0	0	0	1
--HYPERPLASIA, BONE		0	0	0	0	0	0	0	0	0	1

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
SEX:		----------MALE---------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-5-	-1-	-2-	-3-	-4-	-5-
ORGAN AND FINDING DESCRIPTION	NUMBER:	11	10	17	25	22	24	15	9	15	25
AORTA (AO)	NUMBER EXAMINED:	0	0	0	0	1	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
--MINERALIZATION		0	0	0	0	1	0	0	0	0	0
CALVARIUM/SKULL (CA)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
LN, ANT MES/PANC (AP)	NUMBER EXAMINED:	0	0	1	0	1	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	1	0	0	0	0	0
--HEMORRHAGE		0	0	1	0	0	0	0	0	0	0
--HYPERPLASIA, LYMPHOPLASMACYTIC		0	0	1	0	0	0	0	0	0	0
--INFILTRATE, MACROPHAGE, PIGMENTED		0	0	1	0	0	0	0	0	0	0
HEAD, CORONAL (HC)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
JOINT, OTHER (JT)	NUMBER EXAMINED:	1	1	1	1	0	0	0	0	0	1
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		1	1	1	1	0	0	0	0	0	1
--FIBROSIS		1	0	0	0	0	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---									
SEX:		----------MALE----------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-5-	-1-	-2-	-3-	-4-	-5-
NUMBER:		11	10	17	25	22	24	15	9	15	25
CLITORAL GLAND (CL)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
URETER (UE)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
ADIPOSE TISSUE (AT)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
DIAPHRAGM (DP)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
CAVITY, THORACIC (TA)	NUMBER EXAMINED:	1	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
--B-AORTIC BODY TUMOR		1	0	0	0	0	0	0	0	0	0
LN, TRACHEOBRON (TB)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
LN, POPLITEAL (PP)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0

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

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---									
SEX:		----------MALE----------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-5-	-1-	-2-	-3-	-4-	-5-
NUMBER:		11	10	17	25	22	24	15	9	15	25
MUSCLE, OTHER (MO)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
PERICARDIAL SAC (PD)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
PINNA (PN)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
ARTERY, OTHER (AU)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
AORTIC ARCH (AA)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
LN, ILEOCECAL (IC)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
VAS DEFERENS (VS)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---									
SEX:		----------MALE----------					---------FEMALE--------				
GROUP:		-1-	-2-	-3-	-4-	-5-	-1-	-2-	-3-	-4-	-5-
NUMBER:		11	10	17	25	22	24	15	9	15	25
BILE DUCT (BD)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
TRIGEMINAL NERVE (TG)	NUMBER EXAMINED:	0	0	0	1	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0
--GANGLION		0	0	0	1	0	0	0	0	0	0

** END OF LIST **

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---											
	SEX:	----------MALE----------						----------FEMALE----------					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
ORGAN AND FINDING DESCRIPTION	NUMBER:	39	40	33	25	29	30	26	35	41	35	25	23
** TOP OF LIST **													
EYE (EY)	NUMBER EXAMINED:	39	39	33	25	29	30	26	35	41	35	25	23
	NOT REMARKABLE:	34	36	28	24	26	28	23	30	37	30	21	22
--DYSTROPHY, CORNEAL		4	1	3	1	2	2	3	1	2	3	1	0
IN EARLY STAGES, CONSISTS PRIMARILY OF FOCAL MINERALIZATION													
--INFLAMMATION, ACUTE		1	0	0	0	1	0	2	3	1	2	3	1
--I-NEUROFIBROSARCOMA		0	0	1	0	0	0	0	0	0	0	0	0
--ATROPHY, RETINAL		0	0	1	0	0	0	0	0	0	1	0	0
--DEGENERATION, LENTICULAR		0	1	0	0	0	0	0	1	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		0	1	0	0	0	0	0	0	1	0	1	0
--UNILATERALLY EXAMINED		0	0	0	0	0	0	0	0	1	0	0	0
--ULCERATION, CORNEAL		0	0	0	0	0	0	0	0	1	0	1	0
BRAIN (BR)	NUMBER EXAMINED:	39	40	33	25	29	30	26	35	41	35	25	23
	NOT REMARKABLE:	18	19	6	5	15	16	7	9	6	9	8	8
--DILATATION, VENTRICULAR		13	12	14	10	7	6	14	12	19	11	13	10
--M-OLIGODENDROGLIOMA		1	0	0	0	0	0	0	0	0	0	0	0
--COMPRESSION, VENTRAL		18	15	22	18	12	13	19	26	35	23	16	15
--HEMORRHAGE		2	0	1	1	1	0	3	1	1	1	0	1
--M-ASTROCYTOMA		2	0	0	1	0	0	0	0	0	1	0	0
--DEGENERATION, FOCAL		0	0	1	0	0	0	0	0	0	0	0	0
--MINERALIZATION		0	1	3	1	1	0	0	0	1	1	0	0
--INFILTRATE, MACROPHAGE, PIGMENTED		1	2	0	0	0	0	1	1	0	2	0	1
--THROMBUS		0	0	0	0	0	0	0	1	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	0	0	0	0	0	0	0	0	0	0
--M-GRANULAR CELL TUMOR		0	1	0	0	0	0	0	0	0	0	0	0
--I-CARCINOMA		0	0	0	0	0	0	0	0	1	1	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---											
	SEX:	----------MALE----------						----------FEMALE----------					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
ORGAN AND FINDING DESCRIPTION	NUMBER:	39	40	33	25	29	30	26	35	41	35	25	23
** FROM PREVIOUS PAGE **													
BRAIN (BR)	NUMBER EXAMINED:	39	40	33	25	29	30	26	35	41	35	25	23
	NOT REMARKABLE:	18	19	6	5	15	16	7	9	6	9	8	8
--M-MENINGEAL SARCOMA		0	1	0	0	0	0	0	0	0	0	0	0
--M-NEUROFIBROSARCOMA		0	0	1	0	0	0	0	0	0	0	0	0
LIVER (LI)	NUMBER EXAMINED:	39	40	33	25	29	30	26	35	41	35	25	23
	NOT REMARKABLE:	2	0	0	0	0	1	2	1	1	1	0	0
--INFILTRATE, LYMPHOHISTIOCYTIC		26	28	26	17	15	22	16	23	27	24	19	16
--HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR		0	1	1	4	11	3	1	1	3	8	19	2
POLYKARYOCYTOSIS OCCASIONALLY NOTED													
--GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR		0	0	0	0	5	0	0	0	0	1	16	1
--PIGMENT, HEPATOCELLULAR, CENTRILOBULAR		0	0	0	0	3	0	0	0	0	0	13	0
--NECROSIS, INDIVIDUAL HEPATOCYTE		2	1	2	2	3	3	2	2	2	3	5	1
--VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR		2	3	1	3	2	3	1	0	0	1	0	1
--VACUOLATION, HEPATOCELLULAR, PERIPORTAL		10	11	7	12	10	7	5	10	13	10	9	5
--FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL		6	14	13	4	7	11	9	15	11	8	6	5
--FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC		1	4	4	1	2	3	5	9	8	11	5	4
--DEGENERATION, CYSTIC		2	11	11	4	8	12	0	1	0	2	3	0
--NECROSIS, COAGULATIVE		1	3	1	6	1	3	3	2	2	1	0	1
--CONGESTION		1	1	1	1	1	0	1	2	1	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		2	2	0	0	2	1	0	0	1	1	0	1
--HEMATOPOIESIS, EXTRAMEDULLARY		3	3	6	2	4	5	8	15	11	4	1	4
--HYPERPLASIA, BILE DUCT		11	15	17	11	10	13	7	15	16	10	13	8
--FIBROSIS, PERIBILIARY		4	5	7	3	6	1	2	6	2	6	5	1
--HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL		3	1	5	2	2	3	3	9	8	2	1	3
--INFILTRATE, MACROPHAGE, PIGMENTED		4	5	3	4	3	2	1	3	5	5	9	6

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---											
	SEX:	----------MALE----------						----------FEMALE----------					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
ORGAN AND FINDING DESCRIPTION	NUMBER:	39	40	33	25	29	30	26	35	41	35	25	23
** FROM PREVIOUS PAGE **													
LIVER (LI)	NUMBER EXAMINED:	39	40	33	25	29	30	26	35	41	35	25	23
	NOT REMARKABLE:	2	0	0	0	0	1	2	1	1	1	0	0
--VACUOLATION, HEPATOCELLULAR		1	1	3	1	4	1	0	2	0	3	1	1
--DEGENERATION / NECROSIS, MIDZONAL		0	0	0	0	1	0	0	0	0	0	0	0
--DEGENERATION / NECROSIS, CENTRILOBULAR		1	0	0	0	5	1	0	1	0	2	2	1
--HEMORRHAGE		0	0	1	0	0	0	0	1	0	1	0	0
--CYST, BILIARY		0	1	0	1	0	1	2	1	1	1	1	0
--INFLAMMATION, SUBACUTE		0	1	0	0	0	0	0	0	0	0	1	0
--GLYCOGEN, HEPATOCELLULAR, INCREASED		1	3	0	0	1	0	0	0	0	0	0	0
--ANOMALY, SECONDARY TO DIAPHRAGMATIC HERNIA		0	0	1	0	0	0	0	0	0	0	0	1
--ANGIECTASIS		1	1	1	0	1	0	2	0	0	0	1	0
--LEUKOCYTOSIS, SINUSOIDAL		0	0	0	0	1	0	0	1	0	0	0	0
--B-ADENOMA, HEPATOCELLULAR		0	2	2	1	1	0	0	0	1	0	1	1
--INFLAMMATION, CHRONIC-ACTIVE		0	0	0	1	1	1	0	0	0	1	1	0
--ECTASIA, BILE DUCT		0	0	0	0	0	0	0	0	0	0	1	0
--STASIS, BILE		0	0	0	0	0	0	0	0	0	0	1	0
--MITOSIS, HEPATOCELLULAR, INCREASED		0	0	0	0	1	0	0	1	1	0	0	0
--LIPIDOSIS, SUBCAPSULAR (TENSION LIPIDOSIS)		0	0	1	0	0	0	0	1	0	0	1	0
--N-SARCOMA		0	0	0	0	0	1	0	0	0	0	0	0
--B-CHOLANGIOMA		0	0	0	0	0	0	0	0	0	1	0	0
--N-CARCINOMA		0	0	0	0	1	0	0	0	0	0	0	0
--KARYOMEGALY		0	1	0	0	0	0	0	0	0	0	0	0
--M-CARCINOMA, HEPATOCELLULAR		0	0	0	0	0	0	0	0	0	0	1	0
LIVER-OIL RED O (LI0)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---											
	SEX:	----------MALE----------						----------FEMALE----------					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
ORGAN AND FINDING DESCRIPTION	NUMBER:	39	40	33	25	29	30	26	35	41	35	25	23
KIDNEY (KD)	NUMBER EXAMINED:	39	40	33	25	29	30	26	35	41	35	25	23
	NOT REMARKABLE:	1	3	0	2	0	3	1	5	4	0	1	0
--NEPHROPATHY, CHRONIC PROGRESSIVE		30	33	33	21	22	27	11	18	18	18	17	13
--INFILTRATE, LYMPHOHISTIOCYTIC		1	0	0	0	1	0	0	1	1	1	1	0
--DILATATION, PELVIC		3	3	3	1	6	7	0	2	3	0	1	1
--MINERALIZATION, PELVIC		9	7	7	5	5	4	23	23	30	29	14	18
--REGENERATION, TUBULAR EPITHELIUM		1	2	0	1	1	1	0	1	0	0	0	0
--MINERALIZATION, TUBULAR		2	0	0	0	3	1	7	6	9	7	9	5
--HEMATOPOIESIS, EXTRAMEDULLARY		0	1	0	0	0	0	0	1	1	1	0	0
--ATROPHY, TUBULAR		0	0	0	0	0	0	0	0	1	0	0	0
--VACUOLATION, TUBULAR EPITHELIUM		0	0	0	0	2	0	0	1	0	2	1	0
--N-CARCINOMA		0	0	0	0	0	0	0	0	0	0	0	1
--PIGMENT, TUBULAR		3	1	0	0	1	0	0	0	2	1	3	1
--KARYOMEGALY, TUBULAR CELL		0	0	0	0	0	0	0	1	0	0	0	0
--HYALINE DROPLETS, TUBULAR EPITHELIUM		5	1	0	1	2	0	0	0	0	0	0	0
--INFILTRATE, MACROPHAGE, PIGMENTED		2	0	1	0	0	0	0	0	0	0	1	0
--HYPERPLASIA, TRANSITIONAL CELL		0	2	2	2	1	3	3	8	7	6	2	2
--INFLAMMATION, SUPPURATIVE, PELVIC		0	2	3	2	0	2	0	2	4	1	2	1
--INFLAMMATION, CHRONIC-ACTIVE, PELVIC		1	2	2	1	1	1	0	1	0	0	2	1
--NECROSIS, PAPILLARY		0	0	0	0	2	0	0	0	0	0	0	0
--ECTASIA, TUBULAR		1	1	0	0	0	0	0	0	0	0	1	0
--CAST, PROTEINACEOUS		0	0	0	0	0	0	0	0	0	0	1	0
--CYST		0	1	0	0	0	1	0	1	1	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		1	0	0	1	0	0	0	0	0	0	0	0
--FIBROSIS, CORTICAL		1	0	0	0	0	0	0	0	0	0	0	0
--ANGIECTASIS		0	0	0	0	0	1	0	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	0	0	0	0	0	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---											
	SEX:	----------MALE----------						----------FEMALE----------					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
ORGAN AND FINDING DESCRIPTION	NUMBER:	39	40	33	25	29	30	26	35	41	35	25	23
** FROM PREVIOUS PAGE **													
KIDNEY (KD)	NUMBER EXAMINED:	39	40	33	25	29	30	26	35	41	35	25	23
	NOT REMARKABLE:	1	3	0	2	0	3	1	5	4	0	1	0
--BACTERIAL COLONIES		0	0	0	1	0	0	0	0	0	0	0	0
--DEGENERATION, CYSTIC, UNILATERAL		0	0	0	0	0	0	0	0	0	1	0	0
--INFILTRATE, FAT, INTERSTITIAL		0	0	0	0	0	0	0	0	1	0	0	0
--N-SARCOMA		1	0	0	0	0	0	0	0	0	0	0	0
--M-CARCINOMA, TUBULAR CELL		1	0	0	0	0	0	0	0	0	0	0	0
--ULCERATION, TRANSITIONAL EPITHELIUM, PELVIC		0	0	0	0	0	1	0	0	0	0	0	0
--M-LIPOSARCOMA		0	0	0	0	0	1	0	0	0	0	0	0
--THROMBUS		0	0	1	0	0	0	0	0	0	1	0	0
--B-LIPOMA		0	0	0	0	0	0	0	0	1	0	0	0
--THROMBUS, GLOMERULAR		0	0	0	0	1	0	0	0	0	0	0	0
--B-PAPILLOMA, TRANSITIONAL CELL		0	0	0	0	0	1	0	0	0	0	0	0
--DEGENERATION TUBULAR		0	0	0	0	1	0	0	0	0	0	0	0
SPLEEN (SP)	NUMBER EXAMINED:	39	40	33	25	29	30	26	35	41	35	25	23
	NOT REMARKABLE:	5	4	2	3	2	6	2	0	0	0	3	0
--PIGMENT, INCREASED		23	27	22	16	16	14	18	18	31	23	18	14
--HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED		10	16	15	9	12	12	13	23	16	15	4	15
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	1	0	0	1	0	0	0	0	1	0	0
--DEPLETION, LYMPHOCYTIC		0	0	0	0	1	0	0	0	1	0	0	1
--FIBROSIS, CAPSULAR		1	0	0	0	0	0	1	0	1	0	0	0
--CYST, SEROSAL		0	0	0	0	0	0	0	0	0	0	1	0
--M-OSTEOSARCOMA		0	0	0	0	0	1	0	0	0	0	0	0
--HYPERPLASIA, LYMPHORETICULAR		0	0	0	0	0	0	0	0	0	0	0	1
--M-HEMANGIOSARCOMA		0	0	0	0	0	1	0	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---											
	SEX:	----------MALE----------						----------FEMALE----------					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
ORGAN AND FINDING DESCRIPTION	NUMBER:	39	40	33	25	29	30	26	35	41	35	25	23
** FROM PREVIOUS PAGE **													
SPLEEN (SP)	NUMBER EXAMINED:	39	40	33	25	29	30	26	35	41	35	25	23
	NOT REMARKABLE:	5	4	2	3	2	6	2	0	0	0	3	0
--HEMORRHAGE		0	0	0	0	0	0	0	1	0	0	0	0
--NECROSIS		0	0	0	0	0	0	0	1	0	0	0	0
PANCREAS (PA)	NUMBER EXAMINED:	39	39	33	25	29	30	26	35	41	35	25	23
	NOT REMARKABLE:	11	11	6	6	8	7	16	17	21	23	15	10
--ZYMOGEN GRANULES, DECREASED		9	14	8	8	8	7	2	9	13	7	8	8
--INFILTRATE, LYMPHOHISTIOCYTIC		1	0	0	0	0	1	1	0	2	2	1	1
--INFILTRATE, MACROPHAGE, PIGMENTED		16	15	14	10	11	13	0	2	1	1	0	0
--HYPERPLASIA, ISLET CELLS		1	1	2	1	1	1	2	1	0	0	0	0
--ATROPHY, ACINAR		4	4	5	5	2	2	2	1	4	1	1	3
--HYPERTROPHY / BASOPHILIA, ACINAR CELL		1	2	0	1	1	1	0	4	2	0	0	1
--M-CARCINOMA, ISLET CELL		1	2	1	0	1	2	1	0	1	0	1	0
--B-ADENOMA, ISLET CELL		4	2	2	2	2	0	0	1	0	0	0	0
--B-ADENOMA, ACINAR CELL		0	1	0	0	0	0	0	0	0	0	0	0
--VACUOLATION, FOCAL		0	0	0	0	0	0	0	1	0	0	0	0
--INFILTRATION, FAT, INTERSTITIAL		5	10	7	4	6	3	4	5	2	2	1	3
--INFLAMMATION, VASCULAR		1	1	4	1	0	3	0	1	1	0	0	1
--THROMBUS		1	0	0	0	0	2	0	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	0	0	1	0	0	1	0	0	0
--INFILTRATE, EOSINOPHILIC		0	0	1	0	0	0	0	0	0	0	0	0
--FIBROSIS		0	0	1	0	0	0	0	0	0	1	0	0
--INFLAMMATION, GRANULOMATOUS		0	0	1	0	0	0	0	0	0	0	0	0
--NECROSIS		0	0	0	0	1	0	0	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---											
	SEX:	----------MALE----------						----------FEMALE----------					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
ORGAN AND FINDING DESCRIPTION	NUMBER:	39	40	33	25	29	30	26	35	41	35	25	23
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	39	40	33	25	29	30	26	35	41	35	25	23
	NOT REMARKABLE:	10	5	8	7	9	8	1	2	3	2	1	1
--VACUOLATION, FOCAL		7	14	10	3	7	7	4	0	5	3	2	3
--UNILATERALLY EXAMINED		1	0	0	0	0	1	0	1	0	1	0	0
--CONGESTION		1	0	0	0	0	0	1	0	0	1	0	0
--ANGIECTASIS		2	2	3	1	1	2	7	15	24	14	7	9
--HEMATOPOIESIS, EXTRAMEDULLARY		1	0	1	0	0	3	1	5	3	5	1	0
--INFILTRATE, MACROPHAGE, PIGMENTED		0	0	0	0	0	0	0	0	1	0	3	0
--HEMORRHAGE		0	0	0	0	0	0	0	1	0	2	0	0
--HYPERTROPHY, CORTICAL CELL		5	5	3	2	5	7	10	13	10	13	8	11
--VACUOLATION, DIFFUSE		1	2	1	1	0	0	0	0	0	0	0	0
--DEGENERATION, CYSTIC / HEMORRHAGIC		1	3	2	0	1	0	10	13	8	14	6	8
--HYPERPLASIA, CORTICAL		2	2	2	2	1	1	0	4	3	4	3	2
--PIGMENT		14	26	16	14	13	14	14	23	27	21	17	13
--MINERALIZATION		1	0	0	0	0	1	0	0	0	0	0	0
--ATROPHY, CORTICAL		0	1	1	1	1	0	0	1	0	1	0	0
--B-ADENOMA		2	0	1	2	0	0	1	1	1	1	1	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	0	0	0	0	0	0	0	0	0	0
--DEGENERATION / NECROSIS, UNILATERAL		0	0	1	0	1	0	0	1	1	0	1	0
--NECROSIS, FOCAL		0	0	1	0	0	0	0	0	0	0	0	0
--FIBROSIS		0	0	1	0	0	1	0	0	0	0	1	0
--N-SARCOMA		0	0	0	0	0	1	0	0	0	0	0	0
--M-CARCINOMA		0	0	0	0	1	0	0	1	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---											
	SEX:	----------MALE----------						----------FEMALE----------					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
ORGAN AND FINDING DESCRIPTION	NUMBER:	39	40	33	25	29	30	26	35	41	35	25	23
ADRENAL, MEDULLA (MA)	NUMBER EXAMINED:	39	40	33	25	29	30	26	35	41	35	25	23
	NOT REMARKABLE:	34	28	22	21	23	26	23	25	37	27	21	21
--UNILATERALLY EXAMINED		2	2	1	1	1	1	1	3	2	4	2	0
--HYPERPLASIA, MEDULLARY		1	5	8	1	3	2	0	2	0	2	0	2
--B-PHEOCHROMOCYTOMA		2	5	5	2	3	1	2	4	2	2	2	0
--M-MALIGNANT PHEOCHROMOCYTOMA		1	2	0	0	0	0	0	1	0	0	0	0
LN, MESENTERIC (MS)	NUMBER EXAMINED:	38	38	33	25	29	30	26	35	41	35	25	23
	NOT REMARKABLE:	35	33	31	22	26	29	26	33	39	31	24	22
--HEMORRHAGE		2	1	0	1	0	0	0	0	0	1	1	1
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	1	0	0	1	0	0	0	0	1	0	0
--M-HEMANGIOSARCOMA		0	0	0	1	0	0	0	0	0	0	0	0
--HYPERPLASIA, LYMPHOPLASMACYTIC		0	0	0	0	0	1	0	1	0	1	1	0
--MINERALIZATION, VASCULAR		1	3	1	1	1	0	0	0	0	0	0	0
--HYPERPLASIA, RETICULOENDOTHELIAL		0	0	0	0	0	0	0	0	1	0	0	0
--HYPERPLASIA, LYMPHORETICULAR		0	0	0	0	0	0	0	0	1	0	0	0
--INFILTRATE, EOSINOPHILIC		0	0	1	0	0	0	0	0	0	0	0	0
--INFLAMMATION, GRANULOMATOUS		0	0	1	0	0	0	0	0	0	0	0	0
--INFILTRATE, MACROPHAGE, PIGMENTED		0	0	0	0	0	0	0	1	0	0	0	0
--B-HEMANGIOMA		0	0	0	0	0	0	0	0	0	1	0	0
--INFLAMMATION, CHRONIC-ACTIVE		0	0	0	0	1	0	0	0	0	0	0	0
--FIBROSIS		0	0	0	0	1	0	0	0	0	0	0	0
--ANGIECTASIS		0	0	0	0	1	0	0	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---											
	SEX:	----------MALE----------						----------FEMALE----------					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
ORGAN AND FINDING DESCRIPTION	NUMBER:	39	40	33	25	29	30	26	35	41	35	25	23
OVARY (OV)	NUMBER EXAMINED:	0	0	0	0	0	0	26	35	41	35	25	23
	NOT REMARKABLE:	0	0	0	0	0	0	22	31	34	29	20	17
--CYST		0	0	0	0	0	0	3	4	7	6	3	4
--HEMATOMA		0	0	0	0	0	0	0	0	0	0	1	0
--B-GRANULOSA/THECA CELL TUMOR		0	0	0	0	0	0	1	0	0	0	0	0
--HYPERPLASIA, GRANULOSA CELL		0	0	0	0	0	0	0	0	0	0	1	1
--CORPORA LUTEA, PERSISTENT		0	0	0	0	0	0	0	0	0	0	0	1
TESTIS (TE)	NUMBER EXAMINED:	39	40	33	25	29	30	0	0	0	0	0	0
	NOT REMARKABLE:	28	23	23	19	20	19	0	0	0	0	0	0
--ATROPHY/DEGENERATION		10	12	7	5	6	6	0	0	0	0	0	0
--GRANULOMA, SPERM		1	0	1	0	0	0	0	0	0	0	0	0
--UNILATERALLY EXAMINED		0	0	0	0	0	1	0	0	0	0	0	0
--INFLAMMATION, VASCULAR		1	6	4	1	2	3	0	0	0	0	0	0
--M-HEMANGIOSARCOMA		0	0	0	0	0	1	0	0	0	0	0	0
--MINERALIZATION, VASCULAR		2	2	0	0	0	0	0	0	0	0	0	0
--HYPERPLASIA, INTERSTITIAL CELL (LEYDIG CELL)		0	2	1	0	1	0	0	0	0	0	0	0
--B-INTERSTITIAL CELL TUMOR		1	0	0	0	1	1	0	0	0	0	0	0
--M-MALIGNANT INTERSTITIAL CELL TUMOR		0	0	0	1	0	0	0	0	0	0	0	0
--INFILTRATE, LYMPHOHISTIOCYTIC		1	0	0	0	0	0	0	0	0	0	0	0
BONE, FEMUR (FE)	NUMBER EXAMINED:	39	40	33	25	29	30	26	35	41	33	25	23
	NOT REMARKABLE:	39	35	32	24	28	29	26	34	41	33	24	23
--X-HEMATOPOIETIC NEOPLASIA (SEE HN)		0	0	0	0	1	0	0	0	0	0	0	0
--HYPERPLASIA, BONE		0	1	0	1	0	0	0	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---											
	SEX:	----------MALE----------						----------FEMALE----------					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
ORGAN AND FINDING DESCRIPTION	NUMBER:	39	40	33	25	29	30	26	35	41	35	25	23
** FROM PREVIOUS PAGE **													
BONE, FEMUR (FE)	NUMBER EXAMINED:	39	40	33	25	29	30	26	35	41	33	25	23
	NOT REMARKABLE:	39	35	32	24	28	29	26	34	41	33	24	23
--OSTEODYSTROPHY, FIBROUS		0	4	1	0	0	0	0	0	0	0	0	0
--HYPERPLASIA, CARTILAGE		0	0	0	0	0	0	0	1	0	0	1	0
--N-SARCOMA		0	0	0	0	0	1	0	0	0	0	0	0
MARROW, FEMUR (FM)	NUMBER EXAMINED:	39	40	33	25	29	30	26	35	41	33	25	23
	NOT REMARKABLE:	32	29	22	17	21	23	18	16	29	23	14	16
--HYPOCELLULAR, MARROW		2	4	2	3	1	1	0	3	2	1	4	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		3	2	0	0	1	0	0	0	0	0	0	1
--HYPERPLASIA, MYELOID, MARROW		4	4	6	4	5	4	7	12	8	7	5	5
--HYPERPLASIA, ERYTHROID, MARROW		0	2	3	1	1	3	1	4	1	2	2	2
--CONGESTION		0	0	0	0	0	0	0	0	1	0	1	0
--N-FIBROSARCOMA		1	0	0	0	0	0	0	0	0	0	0	0
--HYPERPLASIA, MEGAKARYOCYTIC, MARROW		0	1	0	0	0	0	0	0	0	0	0	1
MARROW, STERNUM (SE)	NUMBER EXAMINED:	39	40	33	24	29	30	26	35	41	35	24	23
	NOT REMARKABLE:	30	29	20	19	18	23	17	21	27	24	14	16
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		2	2	0	0	1	0	0	0	0	0	0	0
--HYPERPLASIA, MYELOID, MARROW		7	5	8	4	6	5	8	10	12	9	5	5
--HYPOCELLULAR, MARROW		1	2	1	0	1	0	0	0	1	0	3	0
--CONGESTION		0	0	0	0	0	0	0	0	1	0	1	0
--HYPERPLASIA, ERYTHROID, MARROW		0	2	4	1	2	3	1	4	0	3	2	2
--HYPERPLASIA, MEGAKARYOCYTIC, MARROW		0	1	0	0	0	0	0	0	0	0	0	1
--N-CARCINOMA		0	0	0	0	1	0	0	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---											
SEX:		----------MALE----------						----------FEMALE----------					
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
	NUMBER:	39	40	33	25	29	30	26	35	41	35	25	23
** FROM PREVIOUS PAGE **													
MARROW, STERNUM (SE)	NUMBER EXAMINED:	39	40	33	24	29	30	26	35	41	35	24	23
	NOT REMARKABLE:	30	29	20	19	18	23	17	21	27	24	14	16
--MYELOFIBROSIS		0	0	0	0	0	1	0	0	0	0	0	0
BONE, STERNUM (SB)	NUMBER EXAMINED:	39	40	33	25	29	30	26	35	41	35	24	23
	NOT REMARKABLE:	37	37	32	24	28	29	26	35	41	35	24	23
--X-HEMATOPOIETIC NEOPLASIA (SEE HN)		0	0	0	0	1	0	0	0	0	0	0	0
--HYPERPLASIA, CARTILAGINOUS		1	0	0	1	0	0	0	0	0	0	0	0
--HYPERPLASIA, BONE		1	0	0	1	0	0	0	0	0	0	0	0
--OSTEODYSTROPHY, FIBROUS		0	3	1	0	0	0	0	0	0	0	0	0
--N-SARCOMA		0	0	0	0	0	1	0	0	0	0	0	0
SPINAL CORD (SC)	NUMBER EXAMINED:	39	40	33	25	29	30	26	35	41	35	25	23
	NOT REMARKABLE:	38	39	33	25	27	29	25	35	40	34	25	22
--HEMORRHAGE		0	0	0	0	1	0	1	0	0	0	0	1
--AXONAL SWELLING		0	0	0	0	0	0	0	0	1	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	0	0	0	0	0	0	0	0	0	0
--NECROSIS / HEMORRHAGE, WHITE MATTER		0	1	0	0	0	1	0	0	0	0	0	0
--DEMYELINATION		0	0	0	0	0	0	0	0	0	1	0	0
--MINERALIZATION, DURA		0	0	0	0	1	0	0	0	0	0	0	0
THYMUS (TH)	NUMBER EXAMINED:	39	35	30	23	27	27	25	34	39	31	23	23
	NOT REMARKABLE:	6	3	1	2	2	1	5	5	4	5	1	4
--HEMORRHAGE		2	0	1	2	3	2	1	1	2	1	2	2

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---											
	SEX:	----------MALE----------						----------FEMALE----------					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
ORGAN AND FINDING DESCRIPTION	NUMBER:	39	40	33	25	29	30	26	35	41	35	25	23
** FROM PREVIOUS PAGE **													
THYMUS (TH)	NUMBER EXAMINED:	39	35	30	23	27	27	25	34	39	31	23	23
	NOT REMARKABLE:	6	3	1	2	2	1	5	5	4	5	1	4
--DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY)		33	31	29	21	25	26	17	29	31	24	20	18
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	2	0	0	0	0	0	0	0	1	0	0
--M-THYMIC CARCINOMA		0	0	0	0	0	0	0	0	1	0	0	0
--CYST		0	0	0	0	1	0	2	0	2	0	3	0
--INFLAMMATION, CHRONIC-ACTIVE		0	0	0	0	0	1	0	0	0	0	0	0
--EDEMA		0	0	0	0	0	0	1	0	0	0	0	0
--HYPERPLASIA, LYMPHORETICULAR		0	0	0	0	0	0	0	0	1	0	0	0
--INFLAMMATION, GRANULOMATOUS		0	0	1	0	0	0	0	0	0	0	0	0
--HYPERPLASIA, EPITHELIAL		0	0	0	0	0	0	0	0	0	1	0	0
LUNG (LU)	NUMBER EXAMINED:	39	40	33	25	29	30	26	35	41	35	25	23
	NOT REMARKABLE:	25	26	21	16	10	11	15	17	27	20	5	10
--CONGESTION		2	0	0	3	1	0	1	2	0	2	1	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		2	3	0	0	1	1	0	0	1	1	0	1
--MINERALIZATION, VASCULAR		8	7	4	2	8	7	0	4	7	6	4	5
--N-CARCINOMA		0	0	0	0	1	0	0	2	0	2	1	1
--HEMORRHAGE		1	0	0	2	1	1	0	1	0	1	0	0
--INFILTRATE, MACROPHAGE, ALVEOLAR		2	3	7	1	9	9	9	8	6	6	16	8
--INFILTRATE, LYMPHOHISTIOCYTIC		0	0	2	2	0	1	2	2	0	1	1	3
--INFLAMMATION, GRANULOMATOUS		1	0	1	0	0	2	0	0	1	1	0	0
--HYALINE MATERIAL, ALVEOLAR SEPTA		0	0	1	0	0	0	0	0	0	0	0	0
--HYPERPLASIA, TYPE II PNEUMOCYTE		0	0	1	0	0	0	0	1	0	1	0	0
--LEUKOCYTES, INCREASED, INTRAVASCULAR		0	1	0	0	0	1	0	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---											
	SEX:	----------MALE----------						----------FEMALE----------					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
ORGAN AND FINDING DESCRIPTION	NUMBER:	39	40	33	25	29	30	26	35	41	35	25	23
** FROM PREVIOUS PAGE **													
LUNG (LU)	NUMBER EXAMINED:	39	40	33	25	29	30	26	35	41	35	25	23
	NOT REMARKABLE:	25	26	21	16	10	11	15	17	27	20	5	10
--MINERALIZATION, SEPTAL		0	2	2	1	0	0	0	1	0	0	1	0
--INFLAMMATION, VASCULAR		0	0	0	0	0	0	0	1	0	0	1	0
--EDEMA, ALVEOLAR		1	0	0	0	0	0	0	0	0	0	1	0
--FIBROSIS		0	0	0	1	0	0	0	0	0	0	0	0
--MINERALIZATION, ALVEOLAR LUMINA		0	0	0	1	0	0	0	0	0	0	0	0
--INFLAMMATION, SUBACUTE		0	1	0	0	0	0	0	0	0	0	0	0
--B-ADENOMA, BRONCHIOLAR-ALVEOLAR		0	0	0	0	1	0	0	0	0	0	0	0
--N-SARCOMA		1	0	1	0	0	3	0	0	0	0	0	0
--EMBOLISM, ADIPOSE TISSUE		0	0	0	0	0	0	0	1	0	0	0	0
--INFILTRATE, MACROPHAGE, PIGMENTED		0	0	0	0	0	0	0	0	0	1	0	0
HEART (HT)	NUMBER EXAMINED:	39	40	33	25	29	30	26	35	41	35	25	23
	NOT REMARKABLE:	18	11	8	6	13	11	17	21	27	21	13	16
--CARDIOMYOPATHY		16	27	25	18	16	19	8	14	13	12	12	7
--INFILTRATE, LYMPHOHISTIOCYTIC		2	0	0	1	0	0	0	0	0	0	0	0
--FIBROSIS		1	0	0	1	0	0	0	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	1	0	0	0	0	0	0	0	0	0	0
--MINERALIZATION, VASCULAR		1	4	2	2	1	1	0	0	0	2	2	0
--INFILTRATE, MACROPHAGE, PIGMENTED		2	1	0	0	1	0	0	0	0	0	1	0
--MINERALIZATION		1	3	0	0	1	1	0	0	0	0	2	0
--INFLAMMATION, VASCULAR		0	0	0	0	0	1	0	0	0	0	0	1
--M-ATRIOCAVAL MESOTHELIOMA		0	1	0	0	0	0	0	0	0	0	0	0
--METAPLASIA, OSSEOUS / CARTILAGINOUS		1	0	0	0	1	0	1	0	1	0	0	0
--N-SARCOMA		1	0	1	0	0	1	0	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---											
	SEX:	----------MALE----------						----------FEMALE----------					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
ORGAN AND FINDING DESCRIPTION	NUMBER:	39	40	33	25	29	30	26	35	41	35	25	23
** FROM PREVIOUS PAGE **													
HEART (HT)	NUMBER EXAMINED:	39	40	33	25	29	30	26	35	41	35	25	23
	NOT REMARKABLE:	18	11	8	6	13	11	17	21	27	21	13	16
--INFLAMMATION, CHRONIC-ACTIVE		0	0	0	0	0	0	0	0	0	1	0	0
MUSCLE, SKELETAL (SM)	NUMBER EXAMINED:	39	40	33	25	29	30	26	35	41	35	25	23
	NOT REMARKABLE:	37	35	31	23	21	27	26	33	40	34	24	23
--M-FIBROSARCOMA		0	0	0	1	0	0	0	0	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		0	0	0	1	0	0	0	0	0	0	0	0
--BACTERIAL COLONIES		0	0	0	1	0	0	0	0	0	0	0	0
--ATROPHY		1	4	1	1	6	3	0	1	0	1	1	0
--INFILTRATE, LYMPHOHISTIOCYTIC		0	1	1	0	2	0	0	1	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	0	0	0	0	0	1	0	0	0
--M-SARCOMA, UNDIFFERENTIATED		1	0	0	0	0	0	0	0	0	0	0	0
NERVE, SCIATIC (SN)	NUMBER EXAMINED:	39	39	33	25	28	30	25	35	41	35	25	23
	NOT REMARKABLE:	38	37	33	24	26	29	25	35	41	34	25	23
--DEGENERATION		1	2	0	1	2	1	0	0	0	1	0	0
TRACHEA (TR)	NUMBER EXAMINED:	39	40	33	25	29	30	26	35	41	35	25	23
	NOT REMARKABLE:	39	40	33	24	29	30	26	34	41	35	25	23
--EXUDATE, LUMINAL		0	0	0	1	0	0	0	1	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		0	0	0	0	0	0	0	1	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---											
	SEX:	----------MALE----------						----------FEMALE----------					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
ORGAN AND FINDING DESCRIPTION	NUMBER:	39	40	33	25	29	30	26	35	41	35	25	23
ESOPHAGUS (ES)	NUMBER EXAMINED:	39	40	33	25	29	30	26	35	41	35	25	23
	NOT REMARKABLE:	38	39	33	22	29	30	25	35	41	35	24	23
--HYPERKERATOSIS		0	0	0	1	0	0	1	0	0	0	1	0
--EXUDATE, LUMINAL		0	0	0	2	0	0	0	0	0	0	0	0
--DILATATION, LUMINAL		1	0	0	0	0	0	0	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	1	0	0	0	0	0	0	0	0	0	0
THYROID (TY)	NUMBER EXAMINED:	39	39	33	25	28	29	26	35	41	35	25	23
	NOT REMARKABLE:	23	23	23	17	18	20	10	22	24	23	18	10
--HYPERPLASIA, C-CELL		5	5	4	2	2	2	10	11	13	6	6	11
--M-CARCINOMA, FOLLICULAR CELL		1	1	0	0	1	0	0	0	0	0	0	0
--DILATATION / CYST, FOLLICULAR		4	2	1	3	4	1	0	0	0	0	0	0
--B-ADENOMA, C-CELL		4	4	3	0	4	2	6	3	4	7	1	2
--B-ADENOMA, FOLLICULAR CELL		3	3	2	2	0	4	0	0	0	1	0	0
--HYPERTROPHY, FOLLICULAR CELL		0	0	0	1	1	0	0	0	0	0	0	0
--INFLAMMATION, VASCULAR		0	0	0	0	0	0	1	0	0	0	0	0
--M-CARCINOMA, C-CELL		0	0	0	0	0	1	0	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	1	0	0	0	0	0	0	0	0	0	0
PARATHYROID (PT)	NUMBER EXAMINED:	38	38	33	23	28	27	26	35	40	34	25	23
	NOT REMARKABLE:	33	32	28	21	26	26	26	33	40	34	25	23
--HYPERPLASIA		5	6	5	2	2	1	0	1	0	0	0	0
--B-ADENOMA		0	0	0	0	0	0	0	1	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---											
	SEX:	----------MALE----------						----------FEMALE----------					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
ORGAN AND FINDING DESCRIPTION	NUMBER:	39	40	33	25	29	30	26	35	41	35	25	23
PITUITARY (PI)	NUMBER EXAMINED:	39	40	33	25	28	30	26	35	41	35	25	23
	NOT REMARKABLE:	7	6	1	4	6	3	0	2	1	3	2	1
--B-ADENOMA		26	27	31	20	19	21	26	31	38	30	21	21
--HYPERPLASIA		5	6	2	1	3	4	0	2	1	1	2	1
--ANGIECTASIS		1	0	0	0	0	2	0	1	1	0	0	0
--CYST		0	1	1	0	1	3	0	2	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	0	0	0	0	0	1	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		1	0	0	0	0	0	0	0	0	0	0	0
--NECROSIS		1	0	0	0	0	0	0	0	0	0	0	0
--M-CARCINOMA		0	0	0	0	0	0	0	0	1	1	0	0
--I-SARCOMA		0	1	0	0	0	0	0	0	0	0	0	0
HARDERIAN GLAND (HG)	NUMBER EXAMINED:	39	40	32	25	29	30	26	35	41	35	25	23
	NOT REMARKABLE:	36	32	24	20	26	24	18	29	33	29	20	19
--INFILTRATE, LYMPHOHISTIOCYTIC		3	7	6	5	2	6	8	6	8	6	4	3
--ATROPHY		0	0	2	0	1	0	0	0	0	0	1	1
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	0	0	0	0	0	0	0	1	0
--DYSPLASIA, EPITHELIAL, GLANDULAR		0	0	0	0	1	0	0	0	0	0	0	0
--INFLAMMATION, VASCULAR		0	0	0	0	0	0	0	0	1	0	0	0
--I-SARCOMA		0	1	0	0	0	0	0	0	0	0	0	0
SALIV GL, MANDIB (SG)	NUMBER EXAMINED:	39	40	33	25	29	30	26	35	41	35	25	23
	NOT REMARKABLE:	39	39	32	24	28	30	26	34	41	34	24	23
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	1	0	0	0	0	0	0	0	0	1	0
--HYPERPLASIA, GLANDULAR		0	0	0	1	0	0	0	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---											
	SEX:	MALE						FEMALE					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
	NUMBER:	39	40	33	25	29	30	26	35	41	35	25	23
** FROM PREVIOUS PAGE **													
SALIV GL, MANDIB (SG)	NUMBER EXAMINED:	39	40	33	25	29	30	26	35	41	35	25	23
	NOT REMARKABLE:	39	39	32	24	28	30	26	34	41	34	24	23
--ATROPHY		0	0	0	0	1	0	0	0	0	0	0	0
--INFILTRATE, LYMPHOHISTIOCYTIC		0	0	0	0	0	0	0	0	0	1	0	0
--M-SCHWANNOMA		0	0	0	0	0	0	0	1	0	0	0	0
--UNILATERALLY EXAMINED		0	0	0	0	0	0	0	1	0	0	0	0
--I-SARCOMA		0	0	1	0	0	0	0	0	0	0	0	0
STOMACH, GL (ST)	NUMBER EXAMINED:	39	39	33	25	28	30	26	35	41	35	25	23
	NOT REMARKABLE:	32	28	24	15	22	22	25	32	38	32	20	22
--EDEMA		1	1	0	1	1	1	1	2	0	1	2	0
--INFLAMMATION, ACUTE		1	1	2	4	1	1	1	2	0	1	2	0
--HEMORRHAGE		0	0	0	1	0	0	0	0	0	0	0	0
--EROSION		2	0	2	1	4	2	0	0	0	1	3	1
--INFLAMMATION, CHRONIC-ACTIVE		3	7	0	1	1	2	0	1	1	0	1	0
--ULCERATION		0	0	0	0	0	2	0	0	0	0	0	0
--HYPERPLASIA, EPITHELIAL, GLANDULAR		4	5	5	3	2	3	0	0	1	0	1	0
--MINERALIZATION, GLANDULAR MUCOSA		0	5	3	2	2	2	0	1	0	1	1	0
--FIBROSIS		0	1	0	1	1	0	0	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	0	0	0	0	0	1	0	0	0
--MINERALIZATION, VASCULAR		0	1	0	0	1	0	0	0	0	0	0	0
STOMACH, NONGL (SU)	NUMBER EXAMINED:	39	40	33	25	29	30	26	35	41	35	25	23
	NOT REMARKABLE:	29	34	28	19	24	21	24	31	35	32	22	20
--ACANTHOSIS / HYPERKERATOSIS		10	6	5	6	5	9	2	4	6	3	3	2

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---											
	SEX:	----------MALE----------						----------FEMALE----------					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
ORGAN AND FINDING DESCRIPTION	NUMBER:	39	40	33	25	29	30	26	35	41	35	25	23
** FROM PREVIOUS PAGE **													
STOMACH, NONGL (SU)	NUMBER EXAMINED:	39	40	33	25	29	30	26	35	41	35	25	23
	NOT REMARKABLE:	29	34	28	19	24	21	24	31	35	32	22	20
--EDEMA		0	0	0	0	1	0	0	0	2	1	0	1
--INFLAMMATION, SUBACUTE		1	0	0	0	0	0	0	0	2	0	1	0
--ULCERATION		4	5	3	3	2	4	1	4	1	2	2	0
--INFLAMMATION, CHRONIC-ACTIVE		9	6	5	6	5	5	2	4	3	3	1	1
--FIBROSIS		0	0	0	0	0	0	0	0	0	1	0	0
DUODENUM (DU)	NUMBER EXAMINED:	36	39	32	24	26	30	26	35	39	33	24	23
	NOT REMARKABLE:	34	39	32	24	26	28	26	34	39	32	24	23
--INFLAMMATION, VASCULAR		1	0	0	0	0	1	0	0	0	1	0	0
--INFLAMMATION, CHRONIC-ACTIVE		1	0	0	0	0	1	0	0	0	0	0	0
--ULCERATION		0	0	0	0	0	1	0	0	0	0	0	0
--EROSION		1	0	0	0	0	0	0	0	0	0	0	0
--B-LEIOMYOMA		0	0	0	0	0	0	0	1	0	0	0	0
JEJUNUM (JE)	NUMBER EXAMINED:	31	36	27	19	21	26	25	33	35	32	22	21
	NOT REMARKABLE:	31	36	27	19	21	26	25	33	35	32	22	21
ILEUM (IL)	NUMBER EXAMINED:	30	35	27	21	21	24	26	32	37	29	21	21
	NOT REMARKABLE:	29	34	26	21	21	24	26	32	37	28	21	21
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	1	0	0	0	0	0	0	0	1	0	0
--HEMORRHAGE		1	0	0	0	0	0	0	0	0	0	0	0
--NECROSIS		1	0	0	0	0	0	0	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---											
	SEX:	----------MALE----------						----------FEMALE----------					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
ORGAN AND FINDING DESCRIPTION	NUMBER:	39	40	33	25	29	30	26	35	41	35	25	23
** FROM PREVIOUS PAGE **													
ILEUM (IL)	NUMBER EXAMINED:	30	35	27	21	21	24	26	32	37	29	21	21
	NOT REMARKABLE:	29	34	26	21	21	24	26	32	37	28	21	21
--INFILTRATE, EOSINOPHILIC		0	0	1	0	0	0	0	0	0	0	0	0
--INFLAMMATION, GRANULOMATOUS		0	0	1	0	0	0	0	0	0	0	0	0
CECUM (CE)	NUMBER EXAMINED:	27	33	26	20	22	23	25	33	37	31	22	21
	NOT REMARKABLE:	27	31	26	20	20	23	24	33	36	30	22	21
--EROSION		0	2	0	0	1	0	0	0	0	0	0	0
--HEMORRHAGE		0	1	0	0	2	0	0	0	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		0	2	0	0	1	0	1	0	1	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	0	0	0	0	0	0	1	0	0
--BACTERIA		0	0	0	0	1	0	0	0	0	0	0	0
--ULCERATION		0	0	0	0	1	0	0	0	0	0	0	0
--B-LIPOMA		0	0	0	0	1	0	0	0	0	0	0	0
COLON (CO)	NUMBER EXAMINED:	34	37	29	23	22	27	26	34	40	33	23	23
	NOT REMARKABLE:	34	36	29	23	22	25	26	34	40	31	23	23
--PARASITISM		0	1	0	0	0	2	0	0	0	1	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	0	0	0	0	0	0	1	0	0
RECTUM (RE)	NUMBER EXAMINED:	37	40	31	25	26	29	26	35	41	35	25	23
	NOT REMARKABLE:	35	39	31	25	26	27	24	35	38	35	22	22
--PARASITISM		1	1	0	0	0	2	1	0	2	0	2	1
--INFLAMMATION, CHRONIC-ACTIVE		0	0	0	0	0	0	0	0	0	0	1	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---											
	SEX:	----------MALE----------						----------FEMALE----------					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
ORGAN AND FINDING DESCRIPTION	NUMBER:	39	40	33	25	29	30	26	35	41	35	25	23
** FROM PREVIOUS PAGE **													
RECTUM (RE)	NUMBER EXAMINED:	37	40	31	25	26	29	26	35	41	35	25	23
	NOT REMARKABLE:	35	39	31	25	26	27	24	35	38	35	22	22
--ULCERATION		0	0	0	0	0	0	0	0	0	0	1	0
--INFLAMMATION, VASCULAR		0	0	0	0	0	0	1	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	0	0	0	0	0	1	0	0	0
--NECROSIS		1	0	0	0	0	0	0	0	0	0	0	0
SKIN (SK)	NUMBER EXAMINED:	39	40	33	25	29	30	26	35	41	35	25	23
	NOT REMARKABLE:	32	28	25	20	20	24	22	34	37	32	22	21
--ACANTHOSIS/HYPERKERATOSIS		3	2	1	1	5	0	1	1	1	1	1	1
--INFLAMMATION, CHRONIC-ACTIVE		3	5	0	0	4	2	1	0	1	1	1	1
--ULCERATION		0	3	0	0	2	0	1	0	0	1	0	1
--HEMORRHAGE		1	0	0	0	0	0	0	0	0	0	0	0
--CYST, EPIDERMAL INCLUSION		1	4	1	0	0	0	0	0	0	0	0	0
--BACTERIAL COLONIES		1	0	0	0	2	0	0	0	0	0	0	0
--SUPERFICIAL CRUSTING		1	0	0	0	1	0	0	0	1	0	1	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	1	0	0	0	1	0	0	1	0	0	1
--B-KERATOACANTHOMA		1	2	3	3	2	4	0	0	0	0	0	0
--M-FIBROSARCOMA		2	1	2	1	1	0	1	0	1	0	1	0
--B-FIBROMA		0	2	1	0	1	0	0	0	1	0	0	0
--FIBROSIS		0	1	0	0	0	0	1	0	0	0	0	0
--B-ADENOMA, BASAL CELL/SQUAMOUS/SEBACEOUS		0	1	0	0	0	0	0	0	0	0	0	0
--B-LIPOMA		0	1	0	0	0	0	0	0	0	2	0	0
--M-CARCINOMA, SQUAMOUS CELL		1	0	0	0	0	0	1	0	0	0	0	0
--B-RHABOMYOMA		0	0	0	0	0	1	0	0	0	0	0	0
--B-PAPILLOMA, SQUAMOUS CELL		0	1	0	0	0	0	2	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---											
	SEX:	----------MALE----------						----------FEMALE----------					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
ORGAN AND FINDING DESCRIPTION	NUMBER:	39	40	33	25	29	30	26	35	41	35	25	23
** FROM PREVIOUS PAGE **													
SKIN (SK)	NUMBER EXAMINED:	39	40	33	25	29	30	26	35	41	35	25	23
	NOT REMARKABLE:	32	28	25	20	20	24	22	34	37	32	22	21
--INFLAMMATION, CHRONIC		0	0	0	0	0	0	0	1	0	0	1	0
--ANGIECTASIS WITH THROMBOSIS AND ENDOTHELIAL PROLIFERATION		0	0	0	0	1	0	0	0	0	0	0	0
MAMMARY, FEMALE (MF)	NUMBER EXAMINED:	0	0	0	0	0	0	26	35	40	35	25	23
	NOT REMARKABLE:	0	0	0	0	0	0	2	3	1	3	5	3
--M-CARCINOMA		0	0	0	0	0	0	6	11	14	10	8	3
--CYST / GALACTOCELE		0	0	0	0	0	0	19	19	29	22	15	15
--INFLAMMATION, CHRONIC-ACTIVE		0	0	0	0	0	0	4	4	2	2	0	0
--B-FIBROADENOMA		0	0	0	0	0	0	8	18	14	18	4	8
--HYPERPLASIA, GLANDULAR		0	0	0	0	0	0	11	12	29	16	5	9
--B-ADENOMA		0	0	0	0	0	0	4	4	4	5	3	2
--INFLAMMATION, CHRONIC		0	0	0	0	0	0	0	0	2	0	1	0
--FIBROSIS		0	0	0	0	0	0	0	1	0	0	0	0
URINARY BLADDER (UB)	NUMBER EXAMINED:	38	38	32	23	26	30	26	35	41	35	25	23
	NOT REMARKABLE:	34	33	23	16	21	27	24	33	40	35	24	22
--HEMORRHAGE		0	1	1	1	1	0	0	0	0	0	0	0
--INFILTRATE, LYMPHOHISTIOCYTIC		1	0	5	1	0	0	1	1	1	0	0	0
--PROTEINACEOUS MATERIAL, LUMINAL		2	2	1	3	2	1	0	0	0	0	0	0
--HYPERPLASIA, TRANSITIONAL CELL		1	1	2	2	3	2	0	2	0	0	1	0
--MINERALIZED MATERIAL, LUMEN		1	0	0	0	0	0	0	0	0	0	0	1
--INFILTRATE, MACROPHAGE, PIGMENTED		0	0	0	0	2	0	0	0	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		1	3	3	2	1	2	0	0	0	0	1	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---											
	SEX:	MALE						FEMALE					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
	NUMBER:	39	40	33	25	29	30	26	35	41	35	25	23
** FROM PREVIOUS PAGE **													
URINARY BLADDER (UB)	NUMBER EXAMINED:	38	38	32	23	26	30	26	35	41	35	25	23
	NOT REMARKABLE:	34	33	23	16	21	27	24	33	40	35	24	22
--INFLAMMATION, VASCULAR		0	0	0	0	0	0	1	0	0	0	0	0
UTERUS (UT)	NUMBER EXAMINED:	0	0	0	0	0	0	26	35	41	35	25	23
	NOT REMARKABLE:	0	0	0	0	0	0	19	25	27	19	21	18
--DILATATION		0	0	0	0	0	0	4	4	6	7	2	2
--B-POLYP, ENDOMETRIAL, STROMAL		0	0	0	0	0	0	2	1	1	3	0	0
--CYST		0	0	0	0	0	0	0	0	2	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		0	0	0	0	0	0	1	2	2	0	0	1
--HYPERTROPHY, ENDOMETRIUM		0	0	0	0	0	0	0	0	0	0	0	1
--B-LEIOMYOMA		0	0	0	0	0	0	0	1	0	0	0	0
--HYPERPLASIA, CYSTIC, ENDOMETRIAL		0	0	0	0	0	0	2	6	4	7	2	2
CERVIX (CV)	NUMBER EXAMINED:	0	0	0	0	0	0	26	34	41	35	25	23
	NOT REMARKABLE:	0	0	0	0	0	0	24	27	33	31	22	17
--HYPERPLASIA, MUCINOUS		0	0	0	0	0	0	1	5	4	4	2	5
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	0	0	0	1	0	0	0	0	0
--HYPERPLASIA, STROMAL		0	0	0	0	0	0	0	0	2	0	1	1
--M-SARCOMA, STROMAL		0	0	0	0	0	0	0	1	0	0	0	0
--B-POLYP, STROMAL		0	0	0	0	0	0	0	1	1	0	0	0
--EXUDATE, LUMINAL		0	0	0	0	0	0	0	1	1	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---											
	SEX:	----------MALE----------						----------FEMALE----------					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
ORGAN AND FINDING DESCRIPTION	NUMBER:	39	40	33	25	29	30	26	35	41	35	25	23
VAGINA (VA)	NUMBER EXAMINED:	0	0	0	0	0	0	26	34	41	35	25	23
	NOT REMARKABLE:	0	0	0	0	0	0	16	19	19	15	14	11
--LUMEN, EXUDATE		0	0	0	0	0	0	6	13	10	12	9	4
--HYPERPLASIA, MUCINOUS		0	0	0	0	0	0	4	9	14	12	5	8
--INFLAMMATION, CHRONIC		0	0	0	0	0	0	0	0	0	1	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	0	0	0	1	0	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		0	0	0	0	0	0	0	0	2	0	0	0
--B-POLYP, STROMAL		0	0	0	0	0	0	0	0	1	0	0	0
PROSTATE (PR)	NUMBER EXAMINED:	39	40	33	25	29	30	0	0	0	0	0	0
	NOT REMARKABLE:	13	4	2	6	5	6	0	0	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		25	35	30	19	24	23	0	0	0	0	0	0
--INFILTRATE, LYMPHOHISTIOCYTIC		1	1	1	0	0	1	0	0	0	0	0	0
--ATROPHY		0	0	0	0	1	0	0	0	0	0	0	0
--HYPERPLASIA, EPITHELIAL		1	0	0	0	0	0	0	0	0	0	0	0
SEMINAL VESICLES (SV)	NUMBER EXAMINED:	38	40	33	25	29	30	0	0	0	0	0	0
	NOT REMARKABLE:	32	28	20	15	22	22	0	0	0	0	0	0
--SECRETION, DECREASED		3	2	4	1	2	2	0	0	0	0	0	0
--SECRETION, INCREASED		0	4	7	2	1	2	0	0	0	0	0	0
--HYPERPLASIA, EPITHELIAL		0	1	0	0	0	0	0	0	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		2	2	2	1	1	1	0	0	0	0	0	0
--ATROPHY		2	4	2	6	3	2	0	0	0	0	0	0
--INFILTRATE, LYMPHOHISTIOCYTIC		0	0	0	1	0	0	0	0	0	0	0	0
--EDEMA		0	0	0	0	0	1	0	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---											
	SEX:	----------MALE----------						----------FEMALE----------					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
ORGAN AND FINDING DESCRIPTION	NUMBER:	39	40	33	25	29	30	26	35	41	35	25	23
EPIDIDYMIDES (EP)	NUMBER EXAMINED:	39	40	33	25	29	30	0	0	0	0	0	0
	NOT REMARKABLE:	32	36	23	18	19	20	0	0	0	0	0	0
--IMMATURE SPERM FORMS		1	2	2	1	6	2	0	0	0	0	0	0
--INFILTRATE, LYMPHOHISTIOCYTIC		1	0	3	1	3	2	0	0	0	0	0	0
--HYPOSPERMIA		2	1	2	2	0	2	0	0	0	0	0	0
--ATROPHY/DEGENERATION		0	0	0	1	2	0	0	0	0	0	0	0
--UNILATERALLY EXAMINED		0	0	0	0	0	2	0	0	0	0	0	0
--VACUOLATION, TUBULAR EPITHELIUM		1	2	2	3	0	1	0	0	0	0	0	0
--GRANULOMA, SPERM		1	0	0	0	0	0	0	0	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		1	0	0	0	0	0	0	0	0	0	0	0
--INFILTRATE, EOSINOPHILIC		0	0	1	0	0	0	0	0	0	0	0	0
--INFLAMMATION, VASCULAR		1	0	0	0	0	0	0	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	0	0	1	0	0	0	0	0	0
HEMATO NEOPLASIA (HN)	NUMBER EXAMINED:	39	40	33	25	29	30	26	35	41	35	25	23
	NOT REMARKABLE:	36	37	33	25	27	29	25	35	39	34	24	22
--M-LYMPHOMA		1	2	0	0	1	0	0	0	1	0	0	0
--M-SARCOMA, HISTIOCYTIC		2	1	0	0	1	1	1	0	1	1	1	1
CAUSE OF DEATH (CD)	NUMBER EXAMINED:	39	40	33	25	29	30	26	35	41	35	25	23
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--UNDETERMINED MICROSCOPICALLY		8	2	3	3	3	2	0	0	0	1	1	2
--NEOPLASM, BRAIN		2	2	1	1	0	0	0	0	0	1	0	0
--NEOPLASM, HEMATOPOIETIC		2	3	0	0	2	1	0	0	1	1	0	1
--NEOPLASM, PITUITARY		18	21	20	14	12	15	18	24	33	24	15	16

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

	--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---											
SEX:	----------MALE----------						----------FEMALE----------					
GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
ORGAN AND FINDING DESCRIPTION NUMBER:	39	40	33	25	29	30	26	35	41	35	25	23
** FROM PREVIOUS PAGE **												
CAUSE OF DEATH (CD) ..... NUMBER EXAMINED:	39	40	33	25	29	30	26	35	41	35	25	23
NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--NEOPLASM, SKIN/MUSCLE/SUBCUTIS	3	2	3	2	1	1	1	0	1	0	1	0
--INFLAMMATION / INFECTION	2	1	1	1	4	2	0	0	1	0	1	1
--NEOPLASM, MAMMARY GLAND	0	0	0	0	1	0	5	8	5	5	4	3
--NEOPLASM, ABDOMINAL CAVITY	0	0	0	1	2	0	0	0	0	0	0	0
--HEMORRHAGE	0	0	0	0	0	0	0	0	0	1	0	0
--NEPHROPATHY	1	6	3	2	1	2	0	0	0	2	1	0
--GI TRACT, EROSION/ULCERATION/HEMORRHAGE/INFLAMMATION	1	0	0	0	0	1	0	0	0	0	0	0
--POSSIBLE TRAUMATIC INJURY	1	0	1	0	0	0	0	0	0	0	0	0
--INFECTION / NECROSIS / CALCULUS, URINARY TRACT	1	0	0	1	1	1	0	0	0	0	0	0
--NEOPLASM, PANCREAS	0	1	0	0	0	0	1	0	0	0	1	0
--NEOPLASM, THORACIC CAVITY	0	0	0	0	1	1	0	0	0	0	0	0
--HEPATIC ANOMALY / OBSTRUCTIVE HEPATOPATHY	0	0	0	0	0	0	0	0	0	0	1	0
--HEMANGIOSARCOMA	0	0	0	0	0	1	0	0	0	0	0	0
--NEOPLASM, HEART	0	1	0	0	0	0	0	0	0	0	0	0
--DEGENERATION/NECROSIS/HEMORRHAGE, SPINAL CORD/BRAIN	0	1	0	0	0	0	0	0	0	0	0	0
--NEOPLASM, LIVER	0	0	1	0	0	0	0	0	0	0	0	0
--VASCULITIS, SYSTEMIC	0	0	0	0	0	0	1	0	0	0	0	0
--NEOPLASM, UT/CV/VA/OV	0	0	0	0	0	0	0	1	0	0	0	0
--NEOPLASM, KIDNEY	0	0	0	0	0	1	0	0	0	0	0	0
--NEOPLASM, SPLEEN	0	0	0	0	0	2	0	0	0	0	0	0
--EMBOLISM, PULMONARY	0	0	0	0	0	0	0	1	0	0	0	0
--NEOPLASM, ADRENAL	0	0	0	0	1	0	0	1	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---											
	SEX:	MALE						FEMALE					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
	NUMBER:	39	40	33	25	29	30	26	35	41	35	25	23
LN, MEDIASTINAL (ML)	NUMBER EXAMINED:	0	2	2	0	3	2	2	0	2	1	1	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	1	0	0	1	0	0	0	1	0	0	0
--HEMORRHAGE		0	1	2	0	2	2	2	0	0	1	1	0
--HYPERPLASIA, LYMPHOPLASMACYTIC		0	0	0	0	0	0	0	0	1	0	1	0
--INFILTRATE, MAST CELL		0	1	0	0	0	0	0	0	0	0	0	0
--INFILTRATE, MACROPHAGE, PIGMENTED		0	0	0	0	0	0	2	0	0	0	0	0
--INFLAMMATION, GRANULOMATOUS		0	0	1	0	0	0	0	0	0	0	0	0
--INFILTRATE, EOSINOPHILIC		0	0	1	0	0	0	0	0	0	0	0	0
--FIBROSIS		0	0	1	0	0	0	0	0	0	0	0	0
--LYMPHANGIECTASIS		0	0	0	0	0	1	0	0	0	0	0	0
LN, AXILLARY (AX)	NUMBER EXAMINED:	1	4	4	1	3	2	7	14	11	13	3	7
	NOT REMARKABLE:	1	0	2	0	1	1	2	4	0	4	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	1	0	0	0	0	0	0	0	0	0	0
--HEMORRHAGE		0	1	1	1	2	0	1	2	1	1	0	2
--HYPERPLASIA, LYMPHOPLASMACYTIC		0	3	1	1	1	0	5	8	10	8	2	5
--INFILTRATE, MACROPHAGE, PIGMENTED		0	1	0	0	0	1	1	0	1	3	1	3
--HYPERPLASIA, RETICULOENDOTHELIAL		0	0	0	0	0	0	0	1	1	0	0	0
--CONGESTION		0	0	1	0	0	1	0	0	0	0	0	0
--FIBROPLASIA, PERIPHERAL		0	0	0	0	0	0	0	0	0	0	0	1
LN, INGUINAL (IN)	NUMBER EXAMINED:	0	1	0	0	0	0	1	6	1	2	1	1
	NOT REMARKABLE:	0	0	0	0	0	0	0	3	1	0	1	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	1	0	0	0	0	0	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---											
	SEX:	MALE						FEMALE					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
	NUMBER:	39	40	33	25	29	30	26	35	41	35	25	23
** FROM PREVIOUS PAGE **													
LN, INGUINAL (IN)	NUMBER EXAMINED:	0	1	0	0	0	0	1	6	1	2	1	1
	NOT REMARKABLE:	0	0	0	0	0	0	0	3	1	0	1	0
--HYPERPLASIA, LYMPHOPLASMACYTIC		0	0	0	0	0	0	1	3	0	2	0	1
LN, OTHER (LN)	NUMBER EXAMINED:	1	1	2	0	1	0	0	0	0	0	1	0
	NOT REMARKABLE:	0	0	1	0	0	0	0	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	1	0	0	0	0	0	0	0	0	0	0
--HEMORRHAGE		0	0	1	0	0	0	0	0	0	0	0	0
--INFILTRATE, MACROPHAGE, PIGMENTED		0	0	1	0	1	0	0	0	0	0	1	0
LN, RENAL (RL)	NUMBER EXAMINED:	0	3	3	2	1	2	0	1	0	1	1	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	1	0	0	0	0	0	0	0	0	0	0
--HYPERPLASIA, LYMPHOPLASMACYTIC		0	2	2	2	0	1	0	0	0	0	1	0
--HEMORRHAGE		0	1	2	1	1	1	0	0	0	1	0	0
--INFILTRATE, MACROPHAGE, PIGMENTED		0	0	1	1	0	0	0	1	0	1	0	0
--DILATATION, SINUSOIDAL		0	0	1	1	0	0	0	0	0	0	0	0
--N-SARCOMA		0	0	0	0	0	1	0	0	0	0	0	0
--LYMPHANGIECTASIS		0	0	0	0	0	1	0	0	0	0	0	0
LN, MANDIBULAR (MN)	NUMBER EXAMINED:	2	3	6	0	2	4	6	4	10	7	5	2
	NOT REMARKABLE:	1	0	0	0	0	0	0	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	1	0	0	0	0	0	0	0	0	0	0
--HYPERPLASIA, LYMPHOPLASMACYTIC		1	1	6	0	1	0	6	4	9	7	5	2

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---											
SEX:		MALE						FEMALE					
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
NUMBER:		39	40	33	25	29	30	26	35	41	35	25	23
** FROM PREVIOUS PAGE **													
LN, MANDIBULAR (MN)	NUMBER EXAMINED:	2	3	6	0	2	4	6	4	10	7	5	2
	NOT REMARKABLE:	1	0	0	0	0	0	0	0	0	0	0	0
--HEMORRHAGE		0	0	0	0	1	2	1	0	2	1	1	1
--LYMPHANGIECTASIS		0	0	1	0	0	1	0	0	0	0	0	0
--INFILTRATE, MACROPHAGE, PIGMENTED		0	0	0	0	0	0	0	0	1	0	0	1
--CONGESTION		0	1	2	0	0	2	0	0	0	0	0	1
--I-SARCOMA		0	0	0	0	0	1	0	0	0	0	0	0
--ABSCESS		0	0	0	0	0	0	0	1	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		0	0	0	0	0	0	0	0	0	0	0	1
VERTEBRA/MARROW (VT)	NUMBER EXAMINED:	0	1	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE HN)		0	1	0	0	0	0	0	0	0	0	0	0
MAMMARY, MALE (MM)	NUMBER EXAMINED:	1	3	4	3	3	2	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	1	0	0	0	0	0	0	0	0
--HYPERPLASIA, CYSTIC		0	0	1	1	0	0	0	0	0	0	0	0
--SECRETORY MATERIAL IN LUMINA		0	0	0	1	0	0	0	0	0	0	0	0
--GALACTOCELE		1	3	4	0	2	1	0	0	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		1	1	0	0	0	0	0	0	0	0	0	0
--B-FIBROADENOMA		0	0	1	1	1	0	0	0	0	0	0	0
--M-CARCINOMA		0	0	0	0	0	2	0	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---											
	SEX:	MALE						FEMALE					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
	NUMBER:	39	40	33	25	29	30	26	35	41	35	25	23
COAGULATING GL (CG)	NUMBER EXAMINED:	1	0	0	1	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--SECRETORY MATERIAL, INCREASED		1	0	0	1	0	0	0	0	0	0	0	0
TAIL (TI)	NUMBER EXAMINED:	2	0	4	1	0	0	1	1	1	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		2	0	4	1	0	0	0	1	1	0	0	0
--ULCERATION		0	0	1	0	0	0	0	0	1	0	0	0
--CYST, EPIDERMAL INCLUSION		1	0	0	0	0	0	0	0	0	0	0	0
--ACANTHOSIS / HYPERKERATOSIS		1	0	2	1	0	0	0	1	0	0	0	0
--INFLAMMATION, VASCULAR		0	0	0	0	0	0	1	0	0	0	0	0
--M-NEUROFIBROSARCOMA		0	0	1	0	0	0	0	0	0	0	0	0
LN, LUMBAR/ILIAC (LM)	NUMBER EXAMINED:	2	1	4	2	2	4	1	3	7	4	0	2
	NOT REMARKABLE:	0	0	0	0	1	1	0	0	0	3	0	0
--LYMPHANGIECTASIS		0	0	2	1	1	2	0	0	1	0	0	0
--HYPERPLASIA, LYMPHOPLASMACYTIC		2	1	3	1	1	2	1	3	5	0	0	2
--HEMORRHAGE		0	1	1	1	1	1	0	0	2	1	0	1
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	0	0	0	0	0	1	0	0	0
--INFLAMMATION, SUBACUTE		0	0	1	0	0	0	0	0	0	0	0	0
--INFILTRATE, MACROPHAGE, PIGMENTED		0	0	0	0	0	0	0	0	1	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		0	0	0	0	0	0	0	0	0	0	0	1

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---											
	SEX:	----------MALE----------						----------FEMALE----------					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
	NUMBER:	39	40	33	25	29	30	26	35	41	35	25	23
CAVITY, ABDOM (PC)	NUMBER EXAMINED:	0	0	1	2	2	3	0	0	0	0	1	1
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--INFLAMMATION / NECROSIS, FAT		0	0	1	2	0	2	0	0	0	0	0	1
--M-FIBROSARCOMA		0	0	0	0	1	0	0	0	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		0	0	0	0	0	0	0	0	0	0	1	0
--HEMATOMA		0	0	0	0	1	0	0	0	0	0	0	0
--INFLAMMATION, VASCULAR		0	0	0	0	0	1	0	0	0	0	0	0
--THROMBUS		0	0	0	0	0	1	0	0	0	0	0	0
AUDITORY SEB GL (AS)	NUMBER EXAMINED:	0	1	2	0	0	0	0	0	1	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--M-CARCINOMA		0	1	1	0	0	0	0	0	1	0	0	0
--I-SARCOMA		0	0	1	0	0	0	0	0	0	0	0	0
PREPUTIAL GLAND (PG)	NUMBER EXAMINED:	0	1	1	0	1	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		0	1	1	0	1	0	0	0	0	0	0	0
--ECTASIA, DUCTAL		0	0	1	0	0	0	0	0	0	0	0	0
FOOT/FOOTPAD (FP)	NUMBER EXAMINED:	2	0	0	3	4	1	2	1	1	2	1	1
	NOT REMARKABLE:	1	0	0	0	0	0	0	0	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		1	0	0	3	4	1	2	1	1	2	1	1
--ULCERATION		1	0	0	2	2	1	1	1	1	2	0	0
--ACANTHOSIS / HYPERKERATOSIS		0	0	0	1	3	1	1	1	1	2	1	1

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---											
SEX:		----------MALE----------						----------FEMALE----------					
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
NUMBER:		39	40	33	25	29	30	26	35	41	35	25	23
** FROM PREVIOUS PAGE **													
FOOT/FOOTPAD (FP)	NUMBER EXAMINED:	2	0	0	3	4	1	2	1	1	2	1	1
	NOT REMARKABLE:	1	0	0	0	0	0	0	0	0	0	0	0
--B-FIBROMA		0	0	0	0	0	0	1	0	0	0	0	0
--FIBROSIS		0	0	0	0	1	0	0	0	1	0	0	0
--BACTERIA		0	0	0	0	1	0	0	1	0	0	0	0
AORTA (AO)	NUMBER EXAMINED:	0	1	3	2	1	1	0	0	0	1	0	0
	NOT REMARKABLE:	0	0	1	0	0	1	0	0	0	0	0	0
--M-LIPOSARCOMA		0	0	0	0	1	0	0	0	0	0	0	0
--MINERALIZATION		0	1	2	2	0	0	0	0	0	1	0	0
CALVARIUM/SKULL (CA)	NUMBER EXAMINED:	0	1	1	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--I-SARCOMA		0	1	1	0	0	0	0	0	0	0	0	0
LN, ANT MES/PANC (AP)	NUMBER EXAMINED:	0	1	1	0	0	1	1	1	1	0	1	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--HEMORRHAGE		0	1	0	0	0	0	1	1	1	0	1	0
--HYPERPLASIA, LYMPHOPLASMACYTIC		0	0	1	0	0	0	1	1	0	0	1	0
--INFILTRATE, MACROPHAGE, PIGMENTED		0	0	1	0	0	1	0	1	1	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---											
SEX:		MALE						FEMALE					
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
NUMBER:		39	40	33	25	29	30	26	35	41	35	25	23
HEAD, CORONAL (HC)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	1	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--INFLAMMATION, ACUTE, EAR		0	0	0	0	0	0	0	0	0	1	0	0
JOINT, OTHER (JT)	NUMBER EXAMINED:	0	0	2	0	1	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		0	0	2	0	1	0	0	0	0	0	0	0
--PROBABLE FRACTURE		0	0	1	0	0	0	0	0	0	0	0	0
CLITORAL GLAND (CL)	NUMBER EXAMINED:	0	0	0	0	0	0	1	1	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--ECTASIA, DUCTAL		0	0	0	0	0	0	1	1	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		0	0	0	0	0	0	0	1	0	0	0	0
--HYPERKERATOSIS		0	0	0	0	0	0	0	1	0	0	0	0
URETER (UE)	NUMBER EXAMINED:	0	0	0	0	0	1	0	0	0	1	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	1	0	0
--UNILATERALLY EXAMINED		0	0	0	0	0	1	0	0	0	0	0	0
ADIPOSE TISSUE (AT)	NUMBER EXAMINED:	0	0	1	0	0	0	1	1	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	1	0	0	0	0
--M-LIPOSARCOMA		0	0	0	0	0	0	1	0	0	0	0	0
--INFILTRATE, EOSINOPHILIC		0	0	1	0	0	0	0	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---											
SEX:		----------MALE----------						----------FEMALE----------					
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
NUMBER:		39	40	33	25	29	30	26	35	41	35	25	23
** FROM PREVIOUS PAGE **													
ADIPOSE TISSUE (AT)	NUMBER EXAMINED:	0	0	1	0	0	0	1	1	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	1	0	0	0	0
--INFLAMMATION, GRANULOMATOUS		0	0	1	0	0	0	0	0	0	0	0	0
DIAPHRAGM (DP)	NUMBER EXAMINED:	0	0	0	0	0	0	1	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--I-LIPOSARCOMA		0	0	0	0	0	0	1	0	0	0	0	0
CAVITY, THORACIC (TA)	NUMBER EXAMINED:	0	0	0	0	0	0	1	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--B-HIBERNOMA		0	0	0	0	0	0	1	0	0	0	0	0
LN, TRACHEOBRON (TB)	NUMBER EXAMINED:	0	0	0	0	0	1	0	0	1	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--HYPERPLASIA, LYMPHOPLASMACYTIC		0	0	0	0	0	0	0	0	1	0	0	0
--DILATATION, SINUSOIDAL		0	0	0	0	0	1	0	0	0	0	0	0
--HEMORRHAGE		0	0	0	0	0	1	0	0	0	0	0	0
--N-SARCOMA		0	0	0	0	0	1	0	0	0	0	0	0
LN, POPLITEAL (PP)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	1	0	0	1
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	0	0	0	0	0	1	0	0	0
--HYPERPLASIA, PLASMACYTIC		0	0	0	0	0	0	0	0	0	0	0	1

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---											
SEX:		----------MALE----------						----------FEMALE----------					
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
NUMBER:		39	40	33	25	29	30	26	35	41	35	25	23
MUSCLE, OTHER (MO)	NUMBER EXAMINED:	0	0	1	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--INFLAMMATION, GRANULOMATOUS		0	0	1	0	0	0	0	0	0	0	0	0
--INFILTRATE, EOSINOPHILIC		0	0	1	0	0	0	0	0	0	0	0	0
PERICARDIAL SAC (PD)	NUMBER EXAMINED:	0	0	1	0	0	1	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--M-SARCOMA, UNDIFFERENTIATED		0	0	0	0	0	1	0	0	0	0	0	0
--N-SARCOMA		0	0	1	0	0	0	0	0	0	0	0	0
PINNA (PN)	NUMBER EXAMINED:	0	0	0	0	0	1	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--M-SARCOMA		0	0	0	0	0	1	0	0	0	0	0	0
ARTERY, OTHER (AU)	NUMBER EXAMINED:	0	0	1	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--MINERALIZATION		0	0	1	0	0	0	0	0	0	0	0	0
AORTIC ARCH (AA)	NUMBER EXAMINED:	0	0	1	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--MINERALIZATION		0	0	1	0	0	0	0	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=ALL;WEEKS=ALL
DEATH=D,M;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---											
SEX:		MALE						FEMALE					
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
NUMBER:		39	40	33	25	29	30	26	35	41	35	25	23
LN, ILEOCECAL (IC)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	1	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	0	0	0	0	0	0	1	0	0
VAS DEFERENS (VS)	NUMBER EXAMINED:	0	0	0	0	0	1	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	1	0	0	0	0	0	0
BILE DUCT (BD)	NUMBER EXAMINED:	0	0	1	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--CYST		0	0	1	0	0	0	0	0	0	0	0	0
--INFLAMMATION, CHRONIC		0	0	1	0	0	0	0	0	0	0	0	0
--THROMBUS		0	0	1	0	0	0	0	0	0	0	0	0
TRIGEMINAL NERVE (TG)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0

** END OF LIST **

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---											
SEX:		----------MALE----------						----------FEMALE----------					
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
NUMBER:		70	60	60	60	70	40	70	60	60	60	70	40
** TOP OF LIST **													
EYE (EY)	NUMBER EXAMINED:	65	44	38	30	65	30	65	40	46	40	65	24
	NOT REMARKABLE:	58	41	33	29	60	28	60	35	42	35	59	22
--DYSTROPHY, CORNEAL IN EARLY STAGES, CONSISTS PRIMARILY OF FOCAL MINERALIZATION		6	1	3	1	4	2	4	1	2	3	3	1
--INFLAMMATION, ACUTE		1	0	0	0	1	0	2	3	1	2	3	1
--I-NEUROFIBROSARCOMA		0	0	1	0	0	0	0	0	0	0	0	0
--ATROPHY, RETINAL		0	0	1	0	0	0	0	0	0	1	0	0
--DEGENERATION, LENTICULAR		0	1	0	0	0	0	0	1	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		0	1	0	0	0	0	0	0	1	0	1	0
--UNILATERALLY EXAMINED		0	0	0	0	0	0	0	0	1	0	0	0
--ULCERATION, CORNEAL		0	0	0	0	0	0	0	0	1	0	1	0
--DEGENERATION, RETINAL		0	0	0	0	0	0	1	0	0	0	0	0
BRAIN (BR)	NUMBER EXAMINED:	65	45	45	35	65	34	65	48	51	48	65	30
	NOT REMARKABLE:	42	24	14	10	43	17	32	15	13	15	37	10
--DILATATION, VENTRICULAR		13	12	14	10	8	7	16	14	20	11	14	11
--M-OLIGODENDROGLIOMA		1	0	0	0	0	0	0	0	0	0	0	0
--COMPRESSION, VENTRAL		20	15	26	23	18	16	30	33	38	28	27	19
--HEMORRHAGE		2	0	1	1	1	0	4	1	1	1	0	1
--M-ASTROCYTOMA		2	0	0	1	0	0	0	0	0	1	0	0
--DEGENERATION, FOCAL		0	0	1	0	0	0	0	0	0	0	0	0
--MINERALIZATION		0	1	4	1	2	0	1	0	1	2	1	0
--INFILTRATE, MACROPHAGE, PIGMENTED		1	2	0	0	0	0	1	1	0	2	0	1
--THROMBUS		0	0	0	0	0	0	0	1	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	0	0	1	0	0	0	0	0	0	0
--M-GRANULAR CELL TUMOR		0	1	0	0	0	0	0	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---											
	SEX:	MALE						FEMALE					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
	NUMBER:	70	60	60	60	70	40	70	60	60	60	70	40
** FROM PREVIOUS PAGE **													
BRAIN (BR)	NUMBER EXAMINED:	65	45	45	35	65	34	65	48	51	48	65	30
	NOT REMARKABLE:	42	24	14	10	43	17	32	15	13	15	37	10
--I-CARCINOMA		0	0	0	0	0	0	1	0	1	2	0	1
--M-MENINGEAL SARCOMA		0	1	0	0	0	0	0	0	0	0	0	0
--M-NEUROFIBROSARCOMA		0	0	1	0	0	0	0	0	0	0	0	0
LIVER (LI)	NUMBER EXAMINED:	65	55	55	55	65	40	65	55	55	55	65	40
	NOT REMARKABLE:	2	0	0	0	0	1	6	1	1	1	0	0
--INFILTRATE, LYMPHOHISTIOCYTIC		51	43	44	45	45	31	42	42	38	41	56	32
--HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR		0	2	4	22	42	3	2	1	4	16	52	2
POLYKARYOCYTOSIS OCCASIONALLY NOTED													
--GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR		0	0	0	0	14	0	0	0	0	7	36	1
--PIGMENT, HEPATOCELLULAR, CENTRILOBULAR		0	0	0	0	6	0	0	0	0	1	36	0
--NECROSIS, INDIVIDUAL HEPATOCYTE		5	4	6	5	14	4	7	6	6	6	15	3
--VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR		3	3	6	13	19	3	1	1	0	1	4	1
--VACUOLATION, HEPATOCELLULAR, PERIPORTAL		15	14	14	16	15	9	15	15	22	16	22	11
--FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL		20	21	23	24	24	16	27	21	18	17	21	13
--FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC		10	7	16	17	13	8	16	20	13	21	20	11
--DEGENERATION, CYSTIC		5	15	19	17	22	15	0	1	1	2	4	1
--NECROSIS, COAGULATIVE		1	4	1	6	2	4	3	2	4	2	2	2
--CONGESTION		1	1	1	1	1	0	2	2	1	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		2	2	0	0	3	1	0	0	1	1	0	1
--HEMATOPOIESIS, EXTRAMEDULLARY		4	3	8	3	7	5	10	17	15	8	7	5
--HYPERPLASIA, BILE DUCT		20	20	25	24	25	21	23	25	19	17	30	17
--FIBROSIS, PERIBILIARY		8	7	11	7	14	4	9	13	4	9	10	4
--HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL		4	1	7	2	2	5	12	10	9	4	3	7

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

	--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---											
SEX:	----------MALE----------						----------FEMALE----------					
GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
ORGAN AND FINDING DESCRIPTION NUMBER:	70	60	60	60	70	40	70	60	60	60	70	40
** FROM PREVIOUS PAGE **												
LIVER (LI) ..... NUMBER EXAMINED:	65	55	55	55	65	40	65	55	55	55	65	40
NOT REMARKABLE:	2	0	0	0	0	1	6	1	1	1	0	0
--INFILTRATE, MACROPHAGE, PIGMENTED	6	5	3	4	5	2	2	3	5	6	23	7
--VACUOLATION, HEPATOCELLULAR	6	2	3	1	7	3	3	2	0	3	3	2
--DEGENERATION / NECROSIS, MIDZONAL	0	0	0	0	1	0	0	0	0	0	0	0
--DEGENERATION / NECROSIS, CENTRILOBULAR	1	0	0	1	5	1	0	1	0	2	2	1
--HYPERTROPHY, HEPATOCELLULAR	0	0	0	0	1	0	0	0	0	0	0	0
--HEMORRHAGE	0	0	1	0	0	0	0	1	0	1	0	0
--CYST, BILIARY	0	1	0	1	0	1	3	1	1	1	4	2
--INFLAMMATION, SUBACUTE	0	1	0	0	0	0	2	0	0	0	1	0
--GLYCOGEN, HEPATOCELLULAR, INCREASED	1	3	0	0	1	0	0	0	0	0	0	0
--ANOMALY, SECONDARY TO DIAPHRAGMATIC HERNIA	0	0	1	0	0	0	0	0	0	0	0	1
--ANGIECTASIS	1	1	2	0	2	0	6	1	2	1	1	2
--LEUKOCYTOSIS, SINUSOIDAL	0	0	0	0	1	0	0	1	0	0	0	0
--B-ADENOMA, HEPATOCELLULAR	0	3	3	1	7	0	0	1	1	1	5	2
--INFLAMMATION, CHRONIC-ACTIVE	0	0	0	1	1	1	0	0	0	1	1	0
--ECTASIA, BILE DUCT	0	0	0	0	0	0	0	0	0	0	1	0
--STASIS, BILE	0	0	0	0	0	0	0	0	0	0	1	0
--MITOSIS, HEPATOCELLULAR, INCREASED	0	0	0	0	1	0	0	1	1	0	0	0
--LIPIDOSIS, SUBCAPSULAR (TENSION LIPIDOSIS)	0	0	3	1	0	0	1	1	0	2	1	0
--N-SARCOMA	0	0	0	0	0	1	0	0	0	0	0	0
--B-CHOLANGIOMA	0	0	0	0	0	0	0	0	0	1	0	0
--N-CARCINOMA	0	0	0	1	1	0	0	0	0	0	0	0
--KARYOMEGALY	0	1	0	0	0	0	0	0	0	0	0	0
--M-CARCINOMA, HEPATOCELLULAR	0	0	0	0	0	0	0	0	0	0	1	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---											
	SEX:	MALE						FEMALE					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
	NUMBER:	70	60	60	60	70	40	70	60	60	60	70	40
LIVER-OIL RED O (LI0)	NUMBER EXAMINED:	5	0	0	0	5	0	5	0	0	0	5	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--VACUOLES, OIL RED O-POSITIVE, HEPATOCELLULAR		5	0	0	0	5	0	5	0	0	0	5	0
KIDNEY (KD)	NUMBER EXAMINED:	65	55	55	55	65	40	65	55	55	55	65	40
	NOT REMARKABLE:	2	4	2	4	2	3	4	12	7	5	8	1
--NEPHROPATHY, CHRONIC PROGRESSIVE		49	43	49	45	50	36	35	29	26	28	40	21
--INFILTRATE, LYMPHOHISTIOCYTIC		5	2	2	3	4	0	3	1	4	2	2	0
--DILATATION, PELVIC		3	5	4	2	10	8	2	2	4	1	3	2
--MINERALIZATION, PELVIC		12	7	10	10	7	5	47	34	36	42	36	31
--REGENERATION, TUBULAR EPITHELIUM		3	2	1	4	2	1	1	1	0	0	0	0
--MINERALIZATION, TUBULAR		2	0	0	1	4	1	14	8	11	7	19	6
--HEMATOPOIESIS, EXTRAMEDULLARY		0	1	0	0	0	0	0	1	1	1	0	0
--ATROPHY, TUBULAR		0	0	0	0	0	0	0	0	1	0	0	0
--VACUOLATION, TUBULAR EPITHELIUM		0	0	0	0	2	0	1	1	0	2	1	0
--N-CARCINOMA		0	0	0	0	0	0	0	0	0	0	0	1
--PIGMENT, TUBULAR		3	1	0	0	3	0	1	0	2	1	4	1
--KARYOMEGALY, TUBULAR CELL		0	0	0	0	0	0	0	1	0	0	0	0
--HYALINE DROPLETS, TUBULAR EPITHELIUM		5	1	0	1	4	0	0	0	0	0	0	0
--INFILTRATE, MACROPHAGE, PIGMENTED		2	0	1	0	0	0	1	0	0	0	1	0
--HYPERPLASIA, TRANSITIONAL CELL		1	2	3	5	1	3	6	10	8	7	5	5
--INFLAMMATION, SUPPURATIVE, PELVIC		1	2	3	3	0	2	1	3	5	2	2	2
--INFLAMMATION, CHRONIC-ACTIVE, PELVIC		1	3	3	1	1	1	0	1	0	0	2	1
--NECROSIS, PAPILLARY		0	0	0	0	2	0	0	0	0	0	0	0
--ECTASIA, TUBULAR		1	1	0	1	0	0	0	0	0	0	1	0
--CAST, PROTEINACEOUS		0	0	0	0	0	0	0	0	0	0	1	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---											
SEX:		----------MALE----------						----------FEMALE----------					
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
	NUMBER:	70	60	60	60	70	40	70	60	60	60	70	40
** FROM PREVIOUS PAGE **													
KIDNEY (KD)	NUMBER EXAMINED:	65	55	55	55	65	40	65	55	55	55	65	40
	NOT REMARKABLE:	2	4	2	4	2	3	4	12	7	5	8	1
--CYST		0	3	0	2	0	2	1	1	1	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		1	0	0	1	1	0	1	0	0	0	0	0
--FIBROSIS, CORTICAL		1	0	0	0	0	0	0	0	0	0	0	0
--ANGIECTASIS		0	0	0	0	0	1	0	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	0	0	0	0	0	0	0	0	0	0
--BACTERIAL COLONIES		0	0	0	1	0	0	0	0	0	0	0	0
--DEGENERATION, CYSTIC, UNILATERAL		0	0	0	0	0	0	0	0	0	1	0	0
--INFILTRATE, FAT, INTERSTITIAL		0	0	0	0	0	0	0	0	1	0	0	0
--N-SARCOMA		1	0	0	0	0	0	0	0	0	0	0	0
--M-CARCINOMA, TUBULAR CELL		1	0	0	0	0	0	1	0	0	0	0	0
--ULCERATION, TRANSITIONAL EPITHELIUM, PELVIC		0	0	0	0	0	1	0	0	0	0	0	0
--M-LIPOSARCOMA		0	0	0	0	0	1	0	0	0	0	0	0
--THROMBUS		0	0	1	2	1	0	0	0	0	1	0	0
--B-LIPOMA		0	0	0	0	1	0	1	0	1	0	0	0
--THROMBUS, GLOMERULAR		0	0	0	0	1	0	0	0	0	0	0	0
--B-PAPILLOMA, TRANSITIONAL CELL		0	0	0	0	0	1	0	0	0	0	0	0
--M-RENAL MESENCHYMAL TUMOR		0	0	1	0	0	0	0	0	0	0	0	0
--DEGENERATION TUBULAR		0	0	0	0	1	0	1	0	0	0	0	0
--INFARCT		0	0	0	0	0	0	1	0	0	0	0	0
SPLEEN (SP)	NUMBER EXAMINED:	65	45	38	30	65	31	65	40	46	41	65	23
	NOT REMARKABLE:	9	7	6	8	14	6	2	0	1	0	4	0
--PIGMENT, INCREASED		39	29	23	16	30	14	48	23	35	28	51	14
--HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED		24	16	15	9	27	13	39	23	16	16	23	15

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---											
SEX:		-----MALE-----						-----FEMALE-----					
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
NUMBER:		70	60	60	60	70	40	70	60	60	60	70	40
** FROM PREVIOUS PAGE **													
SPLEEN (SP)	NUMBER EXAMINED:	65	45	38	30	65	31	65	40	46	41	65	23
	NOT REMARKABLE:	9	7	6	8	14	6	2	0	1	0	4	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	1	0	0	2	0	0	0	0	1	0	0
--DEPLETION, LYMPHOCYTIC		0	0	0	0	1	0	0	0	1	0	0	1
--FIBROSIS, CAPSULAR		1	0	0	0	0	1	1	0	1	0	1	0
--CYST, SEROSAL		0	0	0	0	0	0	0	0	0	0	1	0
--M-OSTEOSARCOMA		0	0	0	0	0	1	0	0	0	0	0	0
--HYPERPLASIA, LYMPHORETICULAR		0	0	0	0	0	0	0	0	0	1	0	1
--M-HEMANGIOSARCOMA		0	0	0	0	0	1	0	0	0	0	0	0
--HEMORRHAGE		0	0	0	0	0	0	0	1	0	0	0	0
--NECROSIS		0	0	0	0	0	0	0	1	0	0	0	0
PANCREAS (PA)	NUMBER EXAMINED:	65	54	55	55	65	40	65	55	55	55	65	40
	NOT REMARKABLE:	21	14	12	12	17	8	43	32	32	31	40	21
--ZYMOGEN GRANULES, DECREASED		11	15	11	14	16	8	3	11	14	9	12	10
--INFILTRATE, LYMPHOHISTIOCYTIC		2	2	1	4	1	1	3	0	2	3	3	1
--INFILTRATE, MACROPHAGE, PIGMENTED		24	17	18	13	19	13	1	2	1	1	1	1
--HYPERPLASIA, ISLET CELLS		3	2	3	2	2	2	2	1	0	0	0	0
--ATROPHY, ACINAR		7	7	8	9	7	3	2	3	5	2	4	3
--NECROSIS / INFLAMMATION, ADIPOSE TISSUE		0	0	0	0	0	0	1	0	0	0	0	0
--HYPERTROPHY / BASOPHILIA, ACINAR CELL		2	3	0	1	3	3	1	5	2	1	0	1
--M-CARCINOMA, ISLET CELL		1	2	2	5	5	3	1	0	1	0	1	0
--B-ADENOMA, ISLET CELL		4	3	4	4	4	1	2	2	1	0	2	0
--B-ADENOMA, ACINAR CELL		0	1	0	0	0	0	0	0	0	0	0	0
--VACUOLATION, FOCAL		0	0	0	0	0	0	0	1	0	0	0	0
--INFILTRATION, FAT, INTERSTITIAL		11	16	20	14	12	6	10	7	4	9	6	7

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---											
SEX:		MALE						FEMALE					
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
NUMBER:		70	60	60	60	70	40	70	60	60	60	70	40
** FROM PREVIOUS PAGE **													
PANCREAS (PA)	NUMBER EXAMINED:	65	54	55	55	65	40	65	55	55	55	65	40
	NOT REMARKABLE:	21	14	12	12	17	8	43	32	32	31	40	21
--INFLAMMATION, VASCULAR		2	1	4	4	1	4	0	1	1	0	0	1
--THROMBUS		1	0	0	0	0	2	0	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	0	0	1	0	0	1	0	0	0
--INFILTRATE, EOSINOPHILIC		0	0	1	0	0	0	0	0	0	0	0	0
--FIBROSIS		0	0	1	0	0	0	0	0	0	1	1	0
--INFLAMMATION, GRANULOMATOUS		0	0	1	0	0	0	0	0	0	0	0	0
--NECROSIS		0	0	0	0	1	0	0	0	0	0	0	0
--ECTOPIC HEPATOCYTES		0	0	0	1	0	0	0	0	0	0	0	0
--B-FIBROMA		0	0	0	0	0	0	0	0	0	0	1	0
--INFLAMMATION, CHRONIC-ACTIVE		0	0	0	0	0	0	0	0	1	0	1	0
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	65	47	38	31	65	30	65	45	47	45	65	26
	NOT REMARKABLE:	18	8	13	12	18	8	6	7	8	6	8	1
--VACUOLATION, FOCAL		9	15	10	3	15	7	8	0	5	3	3	3
--UNILATERALLY EXAMINED		1	1	0	0	0	1	2	1	0	2	0	0
--CONGESTION		1	0	0	0	0	0	1	0	0	1	0	0
--ANGIECTASIS		3	3	3	1	1	2	21	16	24	15	13	9
--HEMATOPOIESIS, EXTRAMEDULLARY		1	0	1	0	0	3	2	5	4	5	1	0
--INFILTRATE, MACROPHAGE, PIGMENTED		6	0	0	0	4	0	5	0	1	0	11	0
--HEMORRHAGE		0	0	0	0	0	0	1	1	0	2	0	0
--HYPERTROPHY, CORTICAL CELL		10	5	3	2	16	7	26	17	11	16	27	12
--VACUOLATION, DIFFUSE		1	2	1	1	1	0	0	0	0	0	0	0
--DEGENERATION, CYSTIC / HEMORRHAGIC		2	3	2	0	2	0	25	16	9	17	20	10
--HYPERPLASIA, CORTICAL		4	2	2	2	4	1	4	4	3	5	5	2

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---											
	SEX:	MALE						FEMALE					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
	NUMBER:	70	60	60	60	70	40	70	60	60	60	70	40
** FROM PREVIOUS PAGE **													
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	65	47	38	31	65	30	65	45	47	45	65	26
	NOT REMARKABLE:	18	8	13	12	18	8	6	7	8	6	8	1
--PIGMENT		23	26	16	15	26	14	36	28	28	25	40	16
--MINERALIZATION		1	0	0	0	0	1	0	0	0	0	0	0
--ATROPHY, CORTICAL		0	1	1	1	1	0	0	1	0	1	0	0
--B-ADENOMA		3	0	1	2	1	0	1	1	1	2	2	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	0	0	1	0	0	0	0	0	0	0
--DEGENERATION / NECROSIS, UNILATERAL		0	0	1	0	1	0	0	1	1	0	1	1
--NECROSIS, FOCAL		0	0	1	0	0	0	0	0	0	0	0	0
--FIBROSIS		0	0	1	0	0	1	0	0	0	0	1	0
--N-SARCOMA		0	0	0	0	0	1	0	0	0	0	0	0
--M-CARCINOMA		0	0	0	0	1	0	0	1	0	0	0	1
--CORTICAL TISSUE, EXTRACAPSULAR		0	1	0	0	0	0	0	0	0	0	0	0
ADRENAL, MEDULLA (MA)	NUMBER EXAMINED:	65	47	38	31	65	30	65	45	47	45	65	24
	NOT REMARKABLE:	57	33	27	26	52	26	54	33	42	33	54	22
--UNILATERALLY EXAMINED		3	3	1	1	2	1	6	4	3	7	6	0
--HYPERPLASIA, MEDULLARY		3	5	8	1	6	2	1	2	0	2	1	2
--B-PHEOCHROMOCYTOMA		3	6	5	3	5	1	5	5	2	3	5	0
--M-MALIGNANT PHEOCHROMOCYTOMA		1	2	0	0	1	0	0	1	0	0	0	0
LN, MESENTERIC (MS)	NUMBER EXAMINED:	64	43	38	30	65	30	65	43	46	40	65	24
	NOT REMARKABLE:	60	38	36	26	58	29	64	39	44	36	62	22
--HEMORRHAGE		3	1	0	1	2	0	1	1	0	1	2	1
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	1	0	0	2	0	0	0	0	1	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---											
SEX:		----------MALE----------						----------FEMALE----------					
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
NUMBER:		70	60	60	60	70	40	70	60	60	60	70	40
** FROM PREVIOUS PAGE **													
LN, MESENTERIC (MS)	NUMBER EXAMINED:	64	43	38	30	65	30	65	43	46	40	65	24
	NOT REMARKABLE:	60	38	36	26	58	29	64	39	44	36	62	22
--M-HEMANGIOSARCOMA		0	0	0	1	0	0	0	0	0	0	0	0
--HYPERPLASIA, LYMPHOPLASMACYTIC		0	0	0	1	1	1	0	1	0	1	1	0
--MINERALIZATION, VASCULAR		1	3	1	1	1	0	0	0	0	0	0	0
--HYPERPLASIA, RETICULOENDOTHELIAL		0	0	0	0	0	0	0	0	1	0	0	0
--HYPERPLASIA, LYMPHORETICULAR		0	0	0	0	0	0	0	0	1	0	0	0
--INFILTRATE, EOSINOPHILIC		0	0	1	0	0	0	0	0	0	0	0	0
--INFLAMMATION, GRANULOMATOUS		0	0	1	0	0	0	0	0	0	0	0	0
--INFILTRATE, MACROPHAGE, PIGMENTED		0	0	0	0	0	0	1	2	0	0	0	1
--B-HEMANGIOMA		0	0	0	0	0	0	0	0	0	1	0	0
--INFLAMMATION, CHRONIC-ACTIVE		0	0	0	0	1	0	0	0	0	0	0	0
--FIBROSIS		0	0	0	0	1	0	0	0	0	0	0	0
--ANGIECTASIS		0	0	0	0	1	0	0	0	0	0	0	0
--INFLAMMATION, VASCULAR		0	0	0	1	0	0	0	0	0	0	0	0
--LYMPHANGIECTASIS		0	0	0	0	0	0	0	0	0	0	1	0
OVARY (OV)	NUMBER EXAMINED:	0	0	0	0	0	0	65	42	48	46	65	31
	NOT REMARKABLE:	0	0	0	0	0	0	51	36	40	34	47	19
--CYST		0	0	0	0	0	0	12	6	7	12	13	8
--HEMATOMA		0	0	0	0	0	0	0	0	0	0	1	0
--B-GRANULOSA/THECA CELL TUMOR		0	0	0	0	0	0	1	0	0	0	0	0
--HYPERPLASIA, GRANULOSA CELL		0	0	0	0	0	0	2	0	0	0	6	3
--CORPORA LUTEA, PERSISTENT		0	0	0	0	0	0	0	0	0	0	0	1
--UNILATERALLY EXAMINED		0	0	0	0	0	0	0	0	1	0	2	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---											
SEX:		----------MALE----------						----------FEMALE----------					
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
NUMBER:		70	60	60	60	70	40	70	60	60	60	70	40
TESTIS (TE)	NUMBER EXAMINED:	65	55	55	55	65	39	0	0	0	0	0	0
	NOT REMARKABLE:	49	32	38	41	49	27	0	0	0	0	0	0
--ATROPHY/DEGENERATION		15	16	12	9	11	6	0	0	0	0	0	0
--GRANULOMA, SPERM		2	0	1	0	0	0	0	0	0	0	0	0
--UNILATERALLY EXAMINED		0	0	0	0	0	1	0	0	0	0	0	0
--INFLAMMATION, VASCULAR		1	8	5	4	2	3	0	0	0	0	0	0
--M-HEMANGIOSARCOMA		0	0	0	0	0	1	0	0	0	0	0	0
--MINERALIZATION, VASCULAR		2	3	0	1	1	0	0	0	0	0	0	0
--HYPERPLASIA, INTERSTITIAL CELL (LEYDIG CELL)		0	2	2	0	2	1	0	0	0	0	0	0
--B-INTERSTITIAL CELL TUMOR		1	1	2	2	1	1	0	0	0	0	0	0
--M-MALIGNANT INTERSTITIAL CELL TUMOR		0	0	0	1	0	0	0	0	0	0	0	0
--INFILTRATE, LYMPHOHISTIOCYTIC		1	0	1	0	1	0	0	0	0	0	0	0
BONE, FEMUR (FE)	NUMBER EXAMINED:	60	40	33	25	60	30	60	35	41	33	60	23
	NOT REMARKABLE:	60	35	32	24	59	29	60	34	41	33	59	23
--X-HEMATOPOIETIC NEOPLASIA (SEE HN)		0	0	0	0	1	0	0	0	0	0	0	0
--HYPERPLASIA, BONE		0	1	0	1	0	0	0	0	0	0	0	0
--OSTEODYSTROPHY, FIBROUS		0	4	1	0	0	0	0	0	0	0	0	0
--HYPERPLASIA, CARTILAGE		0	0	0	0	0	0	0	1	0	0	1	0
--N-SARCOMA		0	0	0	0	0	1	0	0	0	0	0	0
MARROW, FEMUR (FM)	NUMBER EXAMINED:	60	40	33	25	60	30	60	35	41	33	60	23
	NOT REMARKABLE:	48	29	22	17	48	23	42	16	29	23	40	16
--HYPOCELLULAR, MARROW		7	4	2	3	5	1	5	3	2	1	7	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		3	2	0	0	1	0	0	0	0	0	0	1

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---											
SEX:		----------MALE----------						----------FEMALE----------					
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
NUMBER:		70	60	60	60	70	40	70	60	60	60	70	40
** FROM PREVIOUS PAGE **													
MARROW, FEMUR (FM)	NUMBER EXAMINED:	60	40	33	25	60	30	60	35	41	33	60	23
	NOT REMARKABLE:	48	29	22	17	48	23	42	16	29	23	40	16
--HYPERPLASIA, MYELOID, MARROW		4	4	6	4	5	4	12	12	8	7	10	5
--HYPERPLASIA, ERYTHROID, MARROW		0	2	3	1	1	3	1	4	1	2	3	2
--CONGESTION		0	0	0	0	0	0	0	0	1	0	1	0
--N-FIBROSARCOMA		1	0	0	0	0	0	0	0	0	0	0	0
--HYPERPLASIA, MEGAKARYOCYTIC, MARROW		0	1	0	0	0	0	0	0	0	0	0	1
MARROW, STERNUM (SE)	NUMBER EXAMINED:	60	40	33	24	60	30	60	35	41	35	59	23
	NOT REMARKABLE:	50	29	20	19	49	23	46	21	27	24	44	16
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		2	2	0	0	1	0	0	0	0	0	0	0
--HYPERPLASIA, MYELOID, MARROW		7	5	8	4	6	5	13	10	12	9	9	5
--HYPOCELLULAR, MARROW		2	2	1	0	1	0	0	0	1	0	3	0
--CONGESTION		0	0	0	0	0	0	0	0	1	0	1	0
--HYPERPLASIA, ERYTHROID, MARROW		0	2	4	1	2	3	1	4	0	3	3	2
--HYPERPLASIA, MEGAKARYOCYTIC, MARROW		0	1	0	0	0	0	0	0	0	0	0	1
--N-CARCINOMA		0	0	0	0	1	0	0	0	0	0	0	0
--MYELOFIBROSIS		0	0	0	0	0	1	0	0	0	0	0	0
BONE, STERNUM (SB)	NUMBER EXAMINED:	60	40	33	25	60	30	60	35	41	35	59	23
	NOT REMARKABLE:	58	37	32	24	58	29	59	35	41	35	58	23
--X-HEMATOPOIETIC NEOPLASIA (SEE HN)		0	0	0	0	2	0	0	0	0	0	0	0
--HYPERPLASIA, CARTILAGINOUS		1	0	0	1	0	0	1	0	0	0	1	0
--HYPERPLASIA, BONE		1	0	0	1	0	0	0	0	0	0	0	0
--OSTEODYSTROPHY, FIBROUS		0	3	1	0	0	0	0	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---											
	SEX:	MALE						FEMALE					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
	NUMBER:	70	60	60	60	70	40	70	60	60	60	70	40
** FROM PREVIOUS PAGE **													
BONE, STERNUM (SB)	NUMBER EXAMINED:	60	40	33	25	60	30	60	35	41	35	59	23
	NOT REMARKABLE:	58	37	32	24	58	29	59	35	41	35	58	23
--N-SARCOMA		0	0	0	0	0	1	0	0	0	0	0	0
SPINAL CORD (SC)	NUMBER EXAMINED:	60	40	33	25	60	30	60	35	41	35	60	23
	NOT REMARKABLE:	59	39	33	25	58	29	58	35	40	34	60	22
--HEMORRHAGE		0	0	0	0	1	0	1	0	0	0	0	1
--AXONAL SWELLING		0	0	0	0	0	0	0	0	1	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	0	0	0	0	0	0	0	0	0	0	0
--NECROSIS / HEMORRHAGE, WHITE MATTER		0	1	0	0	0	1	0	0	0	0	0	0
--DEMYELINATION		0	0	0	0	0	0	0	0	0	1	0	0
--MINERALIZATION, DURA		0	0	0	0	1	0	0	0	0	0	0	0
--DEGENERATION, AXONAL		0	0	0	0	0	0	1	0	0	0	0	0
--INFILTRATE, LYMPHOHISTIOCYTIC		0	0	0	0	0	0	1	0	0	0	0	0
THYMUS (TH)	NUMBER EXAMINED:	55	35	30	24	54	27	57	34	39	31	57	25
	NOT REMARKABLE:	13	3	1	2	5	1	16	5	4	5	12	4
--HEMORRHAGE		4	0	1	2	6	2	3	1	2	1	4	2
--DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY)		42	31	29	22	46	26	35	29	31	24	40	18
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	2	0	0	0	0	0	0	0	1	0	0
--M-THYMIC CARCINOMA		0	0	0	0	1	0	0	0	1	0	0	0
--CYST		0	0	0	0	1	0	2	0	2	0	4	1
--INFLAMMATION, CHRONIC-ACTIVE		0	0	0	0	0	1	0	0	0	0	0	0
--EDEMA		0	0	0	0	0	0	1	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---											
	SEX:	MALE						FEMALE					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
	NUMBER:	70	60	60	60	70	40	70	60	60	60	70	40
** FROM PREVIOUS PAGE **													
THYMUS (TH)	NUMBER EXAMINED:	55	35	30	24	54	27	57	34	39	31	57	25
	NOT REMARKABLE:	13	3	1	2	5	1	16	5	4	5	12	4
--HYPERPLASIA, LYMPHORETICULAR		0	0	0	0	0	0	1	0	1	0	0	1
--INFLAMMATION, GRANULOMATOUS		0	0	1	0	0	0	0	0	0	0	0	0
--HYPERPLASIA, EPITHELIAL		0	0	0	0	0	0	0	0	0	1	0	1
LUNG (LU)	NUMBER EXAMINED:	60	50	50	49	60	40	60	50	50	50	60	40
	NOT REMARKABLE:	33	33	31	27	25	14	34	25	31	28	17	19
--CONGESTION		3	0	0	3	1	0	1	2	0	2	1	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		2	3	0	0	2	1	0	0	1	1	0	1
--MINERALIZATION, VASCULAR		15	8	9	12	18	10	4	5	8	11	11	7
--N-CARCINOMA		0	0	0	1	1	0	1	3	0	2	2	2
--HEMORRHAGE		2	0	0	2	3	1	2	1	0	1	1	0
--INFILTRATE, MACROPHAGE, ALVEOLAR		6	5	8	2	16	14	17	12	11	10	32	11
--INFILTRATE, LYMPHOHISTIOCYTIC		3	0	4	2	2	2	7	3	0	3	8	4
--INFLAMMATION, GRANULOMATOUS		1	0	1	0	0	2	0	0	1	1	0	0
--HYALINE MATERIAL, ALVEOLAR SEPTA		0	0	1	0	0	0	0	0	0	0	0	0
--HYPERPLASIA, TYPE II PNEUMOCYTE		1	0	3	0	2	0	0	2	0	2	1	0
--LEUKOCYTES, INCREASED, INTRAVASCULAR		0	1	0	0	0	1	0	0	0	0	0	0
--MINERALIZATION, SEPTAL		0	2	2	1	0	0	0	1	0	0	1	0
--INFLAMMATION, VASCULAR		0	0	0	0	0	0	0	1	0	0	1	0
--EDEMA, ALVEOLAR		1	0	0	0	0	0	0	0	0	0	1	0
--FIBROSIS		0	0	0	1	0	0	0	0	0	0	0	0
--MINERALIZATION, ALVEOLAR LUMINA		0	0	0	1	0	0	0	0	0	0	0	1
--INFLAMMATION, SUBACUTE		0	1	0	0	0	0	0	0	0	0	0	0
--B-ADENOMA, BRONCHIOLAR-ALVEOLAR		0	0	0	0	1	0	0	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---											
SEX:		----------MALE----------						----------FEMALE----------					
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
NUMBER:		70	60	60	60	70	40	70	60	60	60	70	40
** FROM PREVIOUS PAGE **													
LUNG (LU)	NUMBER EXAMINED:	60	50	50	49	60	40	60	50	50	50	60	40
	NOT REMARKABLE:	33	33	31	27	25	14	34	25	31	28	17	19
--N-SARCOMA		1	0	1	1	0	3	0	0	0	0	0	0
--EMBOLISM, ADIPOSE TISSUE		0	0	0	0	0	0	0	1	0	0	0	0
--INFILTRATE, MACROPHAGE, PIGMENTED		0	0	0	0	0	0	0	0	0	1	0	1
--FIBROSIS, PLEURAL/SUBPLEURAL		0	0	0	0	0	0	0	0	0	0	1	0
HEART (HT)	NUMBER EXAMINED:	60	40	33	25	60	30	60	35	41	35	60	23
	NOT REMARKABLE:	25	11	8	6	19	11	37	21	27	21	34	16
--CARDIOMYOPATHY		30	27	25	18	41	19	22	14	13	12	25	7
--INFILTRATE, LYMPHOHISTIOCYTIC		2	0	0	1	0	0	0	0	0	0	0	0
--FIBROSIS		1	0	0	1	0	0	0	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	1	0	0	0	0	0	0	0	0	0	0
--MINERALIZATION, VASCULAR		1	4	2	2	2	1	0	0	0	2	2	0
--HEMORRHAGE		0	0	0	0	1	0	0	0	0	0	0	0
--INFILTRATE, MACROPHAGE, PIGMENTED		2	1	0	0	1	0	0	0	0	0	1	0
--MINERALIZATION		1	3	0	0	1	1	0	0	0	0	2	0
--INFLAMMATION, VASCULAR		0	0	0	0	0	1	0	0	0	0	0	1
--M-ATRIOCAVAL MESOTHELIOMA		0	1	0	0	0	0	0	0	0	0	0	0
--METAPLASIA, OSSEOUS / CARTILAGINOUS		1	0	0	0	1	0	1	0	1	0	0	0
--N-SARCOMA		1	0	1	0	0	1	0	0	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		0	0	0	0	0	0	0	0	0	1	0	0
--M-ENDOCARDIAL SCHWANNOMA		0	0	0	0	0	0	0	0	0	0	1	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---											
SEX:		MALE						FEMALE					
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
NUMBER:		70	60	60	60	70	40	70	60	60	60	70	40
MUSCLE, SKELETAL (SM)	NUMBER EXAMINED:	60	40	33	25	60	30	60	35	41	36	60	23
	NOT REMARKABLE:	57	35	31	23	50	27	60	33	40	35	59	23
--M-FIBROSARCOMA		0	0	0	1	0	0	0	0	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		0	0	0	1	0	0	0	0	0	0	0	0
--BACTERIAL COLONIES		0	0	0	1	0	0	0	0	0	0	0	0
--DEGENERATION		0	0	0	0	1	0	0	0	0	0	0	0
--ATROPHY		1	4	1	1	7	3	0	1	0	1	1	0
--INFILTRATE, LYMPHOHISTIOCYTIC		0	1	1	0	2	0	0	1	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	0	0	0	0	0	1	0	0	0
--M-SARCOMA, UNDIFFERENTIATED		2	0	0	0	0	0	0	0	0	0	0	0
NERVE, SCIATIC (SN)	NUMBER EXAMINED:	60	39	33	25	59	30	59	35	41	35	60	23
	NOT REMARKABLE:	59	37	33	24	56	29	59	35	41	34	60	23
--DEGENERATION		1	2	0	1	3	1	0	0	0	1	0	0
TRACHEA (TR)	NUMBER EXAMINED:	60	40	33	25	60	30	60	35	41	35	60	23
	NOT REMARKABLE:	60	40	33	24	59	30	60	34	41	35	60	23
--EXUDATE, LUMINAL		0	0	0	1	0	0	0	1	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		0	0	0	0	0	0	0	1	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	0	1	0	0	0	0	0	0	0
ESOPHAGUS (ES)	NUMBER EXAMINED:	60	40	33	25	60	30	59	35	41	35	60	23
	NOT REMARKABLE:	59	39	33	22	59	30	58	35	41	35	59	23
--HYPERKERATOSIS		0	0	0	1	0	0	1	0	0	0	1	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---											
SEX:		----------MALE----------						----------FEMALE----------					
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
NUMBER:		70	60	60	60	70	40	70	60	60	60	70	40
** FROM PREVIOUS PAGE **													
ESOPHAGUS (ES)	NUMBER EXAMINED:	60	40	33	25	60	30	59	35	41	35	60	23
	NOT REMARKABLE:	59	39	33	22	59	30	58	35	41	35	59	23
--EXUDATE, LUMINAL		0	0	0	2	0	0	0	0	0	0	0	0
--DILATATION, LUMINAL		1	0	0	0	0	0	0	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	1	0	0	1	0	0	0	0	0	0	0
THYROID (TY)	NUMBER EXAMINED:	60	49	50	49	59	39	60	50	50	50	60	40
	NOT REMARKABLE:	35	26	28	22	33	22	30	26	24	27	37	17
--HYPERPLASIA, C-CELL		9	8	10	7	9	4	20	19	19	15	19	16
--M-CARCINOMA, FOLLICULAR CELL		3	1	1	2	1	1	0	0	0	1	0	0
--DILATATION / CYST, FOLLICULAR		6	3	3	9	8	2	0	0	0	0	0	0
--B-ADENOMA, C-CELL		5	6	6	9	7	4	12	6	6	8	5	6
--B-ADENOMA, FOLLICULAR CELL		3	5	4	4	4	9	0	0	0	2	1	1
--HYPERTROPHY, FOLLICULAR CELL		0	0	1	1	1	0	0	0	0	0	0	0
--INFLAMMATION, VASCULAR		0	0	0	0	0	0	1	0	0	0	0	0
--M-CARCINOMA, C-CELL		0	0	1	0	0	1	0	1	0	0	0	1
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	1	0	0	1	0	0	0	0	0	0	0
--B-HIBERNOMA		0	0	0	0	0	0	0	0	0	0	1	0
--COLLOID, DECREASED		0	0	0	0	0	0	0	0	1	0	0	0
PARATHYROID (PT)	NUMBER EXAMINED:	59	48	50	47	59	37	60	49	49	49	59	39
	NOT REMARKABLE:	52	41	44	40	55	34	60	47	49	48	58	39
--HYPERPLASIA		6	7	5	6	4	3	0	1	0	1	0	0
--B-ADENOMA		1	0	1	1	0	0	0	1	0	0	1	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---											
SEX:		MALE						FEMALE					
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
NUMBER:		70	60	60	60	70	40	70	60	60	60	70	40
PITUITARY (PI)	NUMBER EXAMINED:	60	45	46	36	59	38	60	50	47	46	60	34
	NOT REMARKABLE:	13	6	1	4	16	3	6	2	1	3	11	1
--B-ADENOMA		37	29	42	31	37	28	46	41	42	37	40	30
--HYPERPLASIA		10	9	6	3	10	5	11	8	3	5	12	4
--ANGIECTASIS		2	0	0	0	0	2	3	2	2	0	5	0
--CYST		0	1	2	1	1	3	0	2	0	1	2	1
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	0	0	0	0	0	1	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		1	0	0	0	0	0	0	0	0	0	0	0
--NECROSIS		1	0	0	0	0	0	0	0	0	0	0	0
--M-CARCINOMA		0	0	0	0	0	0	0	0	1	2	0	1
--I-SARCOMA		0	1	0	0	0	0	0	0	0	0	0	0
HARDERIAN GLAND (HG)	NUMBER EXAMINED:	60	40	33	25	60	30	60	35	41	35	60	23
	NOT REMARKABLE:	55	32	25	20	54	24	48	29	33	29	51	19
--INFILTRATE, LYMPHOHISTIOCYTIC		5	7	6	5	5	6	12	6	8	6	8	3
--ATROPHY		0	0	2	0	1	0	0	0	0	0	1	1
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	0	0	0	0	0	0	0	1	0
--DYSPLASIA, EPITHELIAL, GLANDULAR		0	0	0	0	1	0	0	0	0	0	0	0
--INFLAMMATION, VASCULAR		0	0	0	0	0	0	0	0	1	0	0	0
--I-SARCOMA		0	1	0	0	0	0	0	0	0	0	0	0
SALIV GL, MANDIB (SG)	NUMBER EXAMINED:	60	40	33	25	60	30	60	35	41	35	60	23
	NOT REMARKABLE:	60	39	32	24	59	30	60	34	41	34	59	23
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	1	0	0	0	0	0	0	0	0	1	0
--HYPERPLASIA, GLANDULAR		0	0	0	1	0	0	0	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---											
SEX:		----------MALE----------						----------FEMALE----------					
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
NUMBER:		70	60	60	60	70	40	70	60	60	60	70	40
** FROM PREVIOUS PAGE **													
SALIV GL, MANDIB (SG)	NUMBER EXAMINED:	60	40	33	25	60	30	60	35	41	35	60	23
	NOT REMARKABLE:	60	39	32	24	59	30	60	34	41	34	59	23
--ATROPHY		0	0	0	0	1	0	0	0	0	0	0	0
--INFILTRATE, LYMPHOHISTIOCYTIC		0	0	0	0	0	0	0	0	0	1	0	0
--M-SCHWANNOMA		0	0	0	0	0	0	0	1	0	0	0	0
--UNILATERALLY EXAMINED		0	0	0	0	0	0	0	1	0	0	0	0
--I-SARCOMA		0	0	1	0	0	0	0	0	0	0	0	0
STOMACH, GL (ST)	NUMBER EXAMINED:	60	45	39	30	59	34	60	37	42	35	60	27
	NOT REMARKABLE:	48	29	24	18	43	23	56	34	38	32	53	24
--EDEMA		1	2	0	1	1	1	2	2	0	1	2	0
--INFLAMMATION, ACUTE		2	2	3	4	1	1	4	2	1	1	3	0
--HEMORRHAGE		0	0	0	1	0	0	0	0	0	0	0	0
--CONGESTION		0	0	0	0	1	0	0	0	0	0	0	0
--EROSION		2	0	2	3	7	2	0	0	1	1	4	2
--INFLAMMATION, CHRONIC-ACTIVE		5	7	1	2	2	3	0	1	1	0	2	1
--ULCERATION		0	0	1	0	0	3	0	0	0	0	1	0
--HYPERPLASIA, EPITHELIAL, GLANDULAR		8	9	11	3	8	6	0	0	1	0	1	0
--MINERALIZATION, GLANDULAR MUCOSA		0	5	3	2	3	2	0	1	0	1	1	0
--FIBROSIS		0	1	0	1	2	0	0	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	0	0	0	0	0	1	0	0	0
--MINERALIZATION, VASCULAR		0	1	0	0	1	0	0	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---											
SEX:		----------MALE----------						----------FEMALE----------					
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
NUMBER:		70	60	60	60	70	40	70	60	60	60	70	40
STOMACH, NONGL (SU)	NUMBER EXAMINED:	60	40	33	25	60	30	60	36	41	35	60	23
	NOT REMARKABLE:	49	34	28	19	55	21	58	31	35	32	56	20
--ACANTHOSIS / HYPERKERATOSIS		11	6	5	6	5	9	2	5	6	3	4	2
--EDEMA		0	0	0	0	1	0	0	0	2	1	0	1
--INFLAMMATION, SUBACUTE		1	0	0	0	0	0	0	0	2	0	1	0
--ULCERATION		4	5	3	3	2	4	1	4	1	2	3	0
--INFLAMMATION, CHRONIC-ACTIVE		9	6	5	6	5	5	2	5	3	3	2	1
--FIBROSIS		0	0	0	0	0	0	0	0	0	1	0	0
DUODENUM (DU)	NUMBER EXAMINED:	57	39	32	24	57	30	60	35	39	33	59	23
	NOT REMARKABLE:	54	39	32	24	57	28	60	34	39	32	59	23
--INFLAMMATION, VASCULAR		1	0	0	0	0	1	0	0	0	1	0	0
--INFLAMMATION, CHRONIC-ACTIVE		2	0	0	0	0	1	0	0	0	0	0	0
--ULCERATION		0	0	0	0	0	1	0	0	0	0	0	0
--EROSION		1	0	0	0	0	0	0	0	0	0	0	0
--B-LEIOMYOMA		0	0	0	0	0	0	0	1	0	0	0	0
JEJUNUM (JE)	NUMBER EXAMINED:	52	36	27	19	52	26	59	33	35	32	57	22
	NOT REMARKABLE:	52	36	27	19	52	26	59	33	35	32	57	21
--M-CARCINOMA		0	0	0	0	0	0	0	0	0	0	0	1
ILEUM (IL)	NUMBER EXAMINED:	51	35	27	21	52	24	60	32	37	29	56	21
	NOT REMARKABLE:	49	34	26	21	52	24	59	32	37	28	54	21
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	1	0	0	0	0	0	0	0	1	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---											
SEX:		----------MALE----------						----------FEMALE----------					
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
NUMBER:		70	60	60	60	70	40	70	60	60	60	70	40
** FROM PREVIOUS PAGE **													
ILEUM (IL)	NUMBER EXAMINED:	51	35	27	21	52	24	60	32	37	29	56	21
	NOT REMARKABLE:	49	34	26	21	52	24	59	32	37	28	54	21
--HEMORRHAGE		1	0	0	0	0	0	0	0	0	0	0	0
--NECROSIS		1	0	0	0	0	0	0	0	0	0	0	0
--INFILTRATE, EOSINOPHILIC		0	0	1	0	0	0	0	0	0	0	0	0
--INFLAMMATION, GRANULOMATOUS		0	0	1	0	0	0	0	0	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		1	0	0	0	0	0	0	0	0	0	1	0
--HYPERPLASIA, GALT (GUT ASSOCIATED LYMPHOID TISSUE)		0	0	0	0	0	0	1	0	0	0	1	0
CECUM (CE)	NUMBER EXAMINED:	48	33	26	20	53	24	59	33	37	31	57	21
	NOT REMARKABLE:	47	31	26	20	51	24	58	33	36	30	56	21
--EROSION		0	2	0	0	1	0	0	0	0	0	0	0
--HEMORRHAGE		0	1	0	0	2	0	0	0	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		1	2	0	0	1	0	1	0	1	0	1	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	0	0	0	0	0	0	1	0	0
--BACTERIA		0	0	0	0	1	0	0	0	0	0	0	0
--ULCERATION		0	0	0	0	1	0	0	0	0	0	0	0
--B-LIPOMA		0	0	0	0	1	0	0	0	0	0	0	0
COLON (CO)	NUMBER EXAMINED:	55	37	29	23	53	27	60	35	40	33	58	23
	NOT REMARKABLE:	52	36	29	23	53	25	59	34	40	31	57	23
--PARASITISM		2	1	0	0	0	2	0	0	0	1	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	0	0	0	0	0	0	1	0	0
--INFLAMMATION, CHRONIC-ACTIVE		1	0	0	0	0	0	0	0	0	0	1	0
--DIVERTICULUM		0	0	0	0	0	0	1	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---											
SEX:		----------MALE----------						----------FEMALE----------					
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
NUMBER:		70	60	60	60	70	40	70	60	60	60	70	40
** FROM PREVIOUS PAGE **													
COLON (CO)	NUMBER EXAMINED:	55	37	29	23	53	27	60	35	40	33	58	23
	NOT REMARKABLE:	52	36	29	23	53	25	59	34	40	31	57	23
--B-LEIOMYOMA		0	0	0	0	0	0	0	1	0	0	0	0
RECTUM (RE)	NUMBER EXAMINED:	58	40	31	25	57	29	59	35	41	35	60	23
	NOT REMARKABLE:	54	39	31	25	54	27	57	35	38	35	52	22
--PARASITISM		2	1	0	0	3	2	1	0	2	0	6	1
--INFLAMMATION, CHRONIC-ACTIVE		1	0	0	0	0	0	0	0	0	0	2	0
--ULCERATION		0	0	0	0	0	0	0	0	0	0	1	0
--INFLAMMATION, VASCULAR		0	0	0	0	0	0	1	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	0	0	0	0	0	1	0	0	0
--NECROSIS		1	0	0	0	0	0	0	0	0	0	0	0
SKIN (SK)	NUMBER EXAMINED:	60	43	37	31	60	33	60	36	41	35	60	25
	NOT REMARKABLE:	52	28	25	20	44	24	53	34	37	32	53	21
--ACANTHOSIS/HYPERKERATOSIS		4	2	1	2	5	0	3	1	1	1	2	1
--INFLAMMATION, CHRONIC-ACTIVE		4	6	0	1	6	3	3	1	1	1	2	2
--ULCERATION		0	3	0	1	2	0	3	0	0	1	1	1
--HEMORRHAGE		1	0	0	0	0	0	1	1	0	0	0	0
--DEGENERATION, MUSCLE, SUBCUTANEOUS		0	0	0	0	0	0	1	0	0	0	0	0
--CYST, EPIDERMAL INCLUSION		2	4	1	0	2	0	0	0	0	0	1	0
--BACTERIAL COLONIES		1	0	0	0	2	0	0	0	0	0	0	0
--SUPERFICIAL CRUSTING		2	0	0	0	2	0	0	0	1	0	1	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	1	0	0	1	1	0	0	1	0	0	1
--B-KERATOACANTHOMA		1	4	4	6	5	6	0	0	0	0	0	1

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---											
SEX:		MALE						FEMALE					
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
NUMBER:		70	60	60	60	70	40	70	60	60	60	70	40
** FROM PREVIOUS PAGE **													
SKIN (SK)	NUMBER EXAMINED:	60	43	37	31	60	33	60	36	41	35	60	25
	NOT REMARKABLE:	52	28	25	20	44	24	53	34	37	32	53	21
--M-FIBROSARCOMA		2	1	2	2	1	0	1	0	1	0	1	0
--B-FIBROMA		0	3	3	1	1	0	0	0	1	0	1	0
--FIBROSIS		0	2	0	1	1	0	1	0	0	0	0	0
--B-ADENOMA, BASAL CELL/SQUAMOUS/SEBACEOUS		0	1	1	0	0	0	1	0	0	0	0	0
--B-LIPOMA		0	1	0	0	1	0	0	1	0	2	1	0
--M-CARCINOMA, SQUAMOUS CELL		1	1	0	0	0	0	1	0	0	0	0	0
--B-RHABOMYOMA		0	0	0	0	0	1	0	0	0	0	0	0
--B-PAPILLOMA, SQUAMOUS CELL		0	1	0	0	0	1	2	0	0	0	0	1
--INFLAMMATION, CHRONIC		0	0	0	0	0	0	0	1	0	0	1	0
--ANGIECTASIS WITH THROMBOSIS AND ENDOTHELIAL PROLIFERATION		0	0	0	0	1	0	0	0	0	0	0	0
--EDEMA		0	0	0	0	1	0	0	0	0	0	0	0
MAMMARY, FEMALE (MF)	NUMBER EXAMINED:	0	0	0	0	0	0	60	50	49	50	60	40
	NOT REMARKABLE:	0	0	0	0	0	0	5	4	2	3	8	3
--M-CARCINOMA		0	0	0	0	0	0	11	12	15	11	14	4
--CYST / GALACTOCELE		0	0	0	0	0	0	35	28	32	28	28	22
--INFLAMMATION, CHRONIC-ACTIVE		0	0	0	0	0	0	6	4	2	2	0	2
--B-FIBROADENOMA		0	0	0	0	0	0	20	27	19	24	11	15
--HYPERPLASIA, GLANDULAR		0	0	0	0	0	0	34	22	35	28	30	20
--SECRETORY MATERIAL		0	0	0	0	0	0	6	0	0	0	5	0
--M-FIBROSARCOMA		0	0	0	0	0	0	1	0	0	1	1	0
--B-ADENOMA		0	0	0	0	0	0	7	6	5	7	4	4
--INFLAMMATION, CHRONIC		0	0	0	0	0	0	0	0	2	0	1	0
--FIBROSIS		0	0	0	0	0	0	1	1	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---											
	SEX:	MALE						FEMALE					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
	NUMBER:	70	60	60	60	70	40	70	60	60	60	70	40
URINARY BLADDER (UB)	NUMBER EXAMINED:	59	48	49	48	57	40	60	50	50	50	59	40
	NOT REMARKABLE:	51	38	36	33	45	36	57	44	49	50	55	37
--HEMORRHAGE		0	1	1	1	1	0	0	0	0	0	0	1
--INFILTRATE, LYMPHOHISTIOCYTIC		4	3	6	5	0	1	1	5	1	0	3	2
--PROTEINACEOUS MATERIAL, LUMINAL		3	4	4	7	8	1	0	0	0	0	0	0
--HYPERPLASIA, TRANSITIONAL CELL		1	1	3	5	4	2	0	2	0	0	1	1
--MINERALIZED MATERIAL, LUMEN		1	0	0	0	0	0	0	0	0	0	0	1
--INFILTRATE, MACROPHAGE, PIGMENTED		0	0	0	0	2	0	0	0	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		1	3	3	3	1	2	0	0	0	0	1	0
--INFLAMMATION, VASCULAR		0	0	0	0	0	0	1	0	0	0	0	0
--DIVERTICULUM		0	0	0	0	0	0	1	0	0	0	0	0
UTERUS (UT)	NUMBER EXAMINED:	0	0	0	0	0	0	60	39	44	41	60	29
	NOT REMARKABLE:	0	0	0	0	0	0	43	25	28	19	41	19
--DILATATION		0	0	0	0	0	0	8	5	6	9	7	4
--B-POLYP, ENDOMETRIAL, STROMAL		0	0	0	0	0	0	2	2	1	3	3	1
--CYST		0	0	0	0	0	0	0	0	2	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		0	0	0	0	0	0	1	2	2	0	0	1
--HYPERTROPHY, ENDOMETRIUM		0	0	0	0	0	0	0	0	0	0	0	1
--B-LEIOMYOMA		0	0	0	0	0	0	0	1	0	0	0	0
--HYPERPLASIA, CYSTIC, ENDOMETRIAL		0	0	0	0	0	0	8	8	6	10	10	5
--M-LEIOMYOSARCOMA		0	0	0	0	0	0	0	0	0	0	0	1
--HEMORRHAGE		0	0	0	0	0	0	0	0	0	1	0	0
--B-ADENOMA		0	0	0	0	0	0	0	0	0	1	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---											
SEX:		----------MALE----------						----------FEMALE----------					
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
NUMBER:		70	60	60	60	70	40	70	60	60	60	70	40
CERVIX (CV)	NUMBER EXAMINED:	0	0	0	0	0	0	60	34	43	37	60	24
	NOT REMARKABLE:	0	0	0	0	0	0	54	27	33	31	53	17
--CYST, SQUAMOUS		0	0	0	0	0	0	1	0	0	0	0	0
--HYPERPLASIA, MUCINOUS		0	0	0	0	0	0	4	5	5	5	4	5
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	0	0	0	1	0	0	0	0	0
--HYPERPLASIA, STROMAL		0	0	0	0	0	0	0	0	3	0	1	1
--M-SARCOMA, STROMAL		0	0	0	0	0	0	0	1	0	0	2	0
--B-POLYP, STROMAL		0	0	0	0	0	0	0	1	1	0	0	1
--EXUDATE, LUMINAL		0	0	0	0	0	0	0	1	1	0	0	0
--HYPERPLASIA, CYSTIC		0	0	0	0	0	0	0	0	0	1	0	0
--HEMORRHAGE		0	0	0	0	0	0	0	0	0	0	1	0
VAGINA (VA)	NUMBER EXAMINED:	0	0	0	0	0	0	60	34	42	36	59	23
	NOT REMARKABLE:	0	0	0	0	0	0	35	19	19	15	36	11
--LUMEN, EXUDATE		0	0	0	0	0	0	10	13	10	12	13	4
--HYPERPLASIA, MUCINOUS		0	0	0	0	0	0	15	9	15	13	13	8
--INFLAMMATION, CHRONIC		0	0	0	0	0	0	0	0	0	1	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	0	0	0	1	0	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		0	0	0	0	0	0	0	0	2	0	0	0
--B-POLYP, STROMAL		0	0	0	0	0	0	0	0	1	0	0	0
--I-CARCINOMA		0	0	0	0	0	0	1	0	0	0	0	0
PROSTATE (PR)	NUMBER EXAMINED:	60	41	38	29	60	31	0	0	0	0	0	0
	NOT REMARKABLE:	19	4	2	6	16	6	0	0	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		39	36	35	23	44	24	0	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---											
	SEX:	MALE						FEMALE					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
	NUMBER:	70	60	60	60	70	40	70	60	60	60	70	40
** FROM PREVIOUS PAGE **													
PROSTATE (PR)	NUMBER EXAMINED:	60	41	38	29	60	31	0	0	0	0	0	0
	NOT REMARKABLE:	19	4	2	6	16	6	0	0	0	0	0	0
--INFILTRATE, LYMPHOHISTIOCYTIC		2	1	1	0	0	1	0	0	0	0	0	0
--ATROPHY		0	0	0	0	1	0	0	0	0	0	0	0
--HYPERPLASIA, EPITHELIAL		1	0	0	1	0	0	0	0	0	0	0	0
SEMINAL VESICLES (SV)	NUMBER EXAMINED:	59	40	34	26	60	31	0	0	0	0	0	0
	NOT REMARKABLE:	50	28	21	15	49	22	0	0	0	0	0	0
--SECRETION, DECREASED		5	2	4	1	2	3	0	0	0	0	0	0
--SECRETION, INCREASED		1	4	7	2	2	2	0	0	0	0	0	0
--HYPERPLASIA, EPITHELIAL		0	1	0	0	0	0	0	0	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		2	2	2	2	4	1	0	0	0	0	0	0
--ATROPHY		2	4	2	6	3	2	0	0	0	0	0	0
--INFILTRATE, LYMPHOHISTIOCYTIC		0	0	0	1	0	0	0	0	0	0	0	0
--EDEMA		0	0	0	0	0	1	0	0	0	0	0	0
EPIDIDYMIDES (EP)	NUMBER EXAMINED:	60	40	33	25	60	30	0	0	0	0	0	0
	NOT REMARKABLE:	50	36	23	18	45	20	0	0	0	0	0	0
--IMMATURE SPERM FORMS		1	2	2	1	7	2	0	0	0	0	0	0
--INFILTRATE, LYMPHOHISTIOCYTIC		4	0	3	1	4	2	0	0	0	0	0	0
--HYPOSPERMIA		2	1	2	2	3	2	0	0	0	0	0	0
--ATROPHY/DEGENERATION		0	0	0	1	2	0	0	0	0	0	0	0
--UNILATERALLY EXAMINED		0	0	0	0	0	2	0	0	0	0	0	0
--VACUOLATION, TUBULAR EPITHELIUM		1	2	2	3	1	1	0	0	0	0	0	0
--GRANULOMA, SPERM		1	0	0	0	0	0	0	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---											
SEX:		----------MALE----------						----------FEMALE----------					
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
NUMBER:		70	60	60	60	70	40	70	60	60	60	70	40
** FROM PREVIOUS PAGE **													
EPIDIDYMIDES (EP)	NUMBER EXAMINED:	60	40	33	25	60	30	0	0	0	0	0	0
	NOT REMARKABLE:	50	36	23	18	45	20	0	0	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		1	0	0	0	0	0	0	0	0	0	0	0
--INFILTRATE, EOSINOPHILIC		0	0	1	0	0	0	0	0	0	0	0	0
--INFLAMMATION, VASCULAR		1	0	0	0	0	0	0	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	0	0	1	0	0	0	0	0	0
HEMATO NEOPLASIA (HN)	NUMBER EXAMINED:	60	40	33	25	60	30	60	35	41	35	60	23
	NOT REMARKABLE:	57	37	33	25	56	29	59	35	39	34	59	22
--M-LYMPHOMA		1	2	0	0	2	0	0	0	1	0	0	0
--M-SARCOMA, HISTIOCYTIC		2	1	0	0	2	1	1	0	1	1	1	1
CAUSE OF DEATH (CD)	NUMBER EXAMINED:	65	55	55	55	65	40	65	55	55	55	65	40
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--SCHEDULED SACRIFICE		26	15	22	30	36	10	39	20	14	20	40	17
--UNDETERMINED MICROSCOPICALLY		8	2	3	3	3	2	0	0	0	1	1	2
--NEOPLASM, BRAIN		2	2	1	1	0	0	0	0	0	1	0	0
--NEOPLASM, HEMATOPOIETIC		2	3	0	0	2	1	0	0	1	1	0	1
--NEOPLASM, PITUITARY		18	21	20	14	12	15	18	24	33	24	15	16
--NEOPLASM, SKIN/MUSCLE/SUBCUTIS		3	2	3	2	1	1	1	0	1	0	1	0
--INFLAMMATION / INFECTION		2	1	1	1	4	2	0	0	1	0	1	1
--NEOPLASM, MAMMARY GLAND		0	0	0	0	1	0	5	8	5	5	4	3
--NEOPLASM, ABDOMINAL CAVITY		0	0	0	1	2	0	0	0	0	0	0	0
--HEMORRHAGE		0	0	0	0	0	0	0	0	0	1	0	0
--NEPHROPATHY		1	6	3	2	1	2	0	0	0	2	1	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---											
SEX:		----------MALE----------						----------FEMALE----------					
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
NUMBER:		70	60	60	60	70	40	70	60	60	60	70	40
** FROM PREVIOUS PAGE **													
CAUSE OF DEATH (CD)	NUMBER EXAMINED:	65	55	55	55	65	40	65	55	55	55	65	40
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--GI TRACT, EROSION/ULCERATION/HEMORRHAGE/INFLAMMATION		1	0	0	0	0	1	0	0	0	0	0	0
--POSSIBLE TRAUMATIC INJURY		1	0	1	0	0	0	0	0	0	0	0	0
--INFECTION / NECROSIS / CALCULUS, URINARY TRACT		1	0	0	1	1	1	0	0	0	0	0	0
--NEOPLASM, PANCREAS		0	1	0	0	0	0	1	0	0	0	1	0
--NEOPLASM, THORACIC CAVITY		0	0	0	0	1	1	0	0	0	0	0	0
--HEPATIC ANOMALY / OBSTRUCTIVE HEPATOPATHY		0	0	0	0	0	0	0	0	0	0	1	0
--HEMANGIOSARCOMA		0	0	0	0	0	1	0	0	0	0	0	0
--NEOPLASM, HEART		0	1	0	0	0	0	0	0	0	0	0	0
--DEGENERATION/NECROSIS/HEMORRHAGE, SPINAL CORD/BRAIN		0	1	0	0	0	0	0	0	0	0	0	0
--NEOPLASM, LIVER		0	0	1	0	0	0	0	0	0	0	0	0
--VASCULITIS, SYSTEMIC		0	0	0	0	0	0	1	0	0	0	0	0
--NEOPLASM, UT/CV/VA/OV		0	0	0	0	0	0	0	1	0	0	0	0
--NEOPLASM, KIDNEY		0	0	0	0	0	1	0	0	0	0	0	0
--NEOPLASM, SPLEEN		0	0	0	0	0	2	0	0	0	0	0	0
--EMBOLISM, PULMONARY		0	0	0	0	0	0	0	1	0	0	0	0
--NEOPLASM, ADRENAL		0	0	0	0	1	0	0	1	0	0	0	0
LN, MEDIASTINAL (ML)	NUMBER EXAMINED:	0	2	2	2	3	4	3	0	2	1	3	1
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	1	0	0	1	0	0	0	1	0	0	0
--HEMORRHAGE		0	1	2	0	2	2	2	0	0	1	2	0
--HYPERPLASIA, LYMPHOPLASMACYTIC		0	0	0	1	0	1	1	0	1	0	2	1
--INFILTRATE, MAST CELL		0	1	0	0	0	0	0	0	0	0	0	0
--INFILTRATE, MACROPHAGE, PIGMENTED		0	0	0	0	0	0	2	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---											
SEX:		----------MALE----------						----------FEMALE----------					
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
NUMBER:		70	60	60	60	70	40	70	60	60	60	70	40
** FROM PREVIOUS PAGE **													
LN, MEDIASTINAL (ML)	NUMBER EXAMINED:	0	2	2	2	3	4	3	0	2	1	3	1
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--INFLAMMATION, GRANULOMATOUS		0	0	1	0	0	0	0	0	0	0	0	0
--INFILTRATE, EOSINOPHILIC		0	0	1	0	0	0	0	0	0	0	0	0
--FIBROSIS		0	0	1	0	0	0	0	0	0	0	0	0
--LYMPHANGIECTASIS		0	0	0	2	0	2	0	0	0	0	1	0
LN, AXILLARY (AX)	NUMBER EXAMINED:	5	6	6	4	9	3	14	18	13	18	9	11
	NOT REMARKABLE:	4	0	2	2	5	2	5	4	1	5	2	2
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	1	0	0	1	0	0	0	0	0	0	0
--HEMORRHAGE		0	1	2	2	3	0	3	2	1	2	1	2
--HYPERPLASIA, LYMPHOPLASMACYTIC		0	5	3	2	2	0	7	12	11	12	6	7
--INFILTRATE, MACROPHAGE, PIGMENTED		1	1	0	1	0	1	2	2	1	4	1	3
--HYPERPLASIA, RETICULOENDOTHELIAL		0	0	0	0	0	0	0	1	1	0	0	0
--CONGESTION		0	0	1	0	0	1	0	0	0	0	0	0
--FIBROPLASIA, PERIPHERAL		0	0	0	0	0	0	0	0	0	0	0	1
LN, INGUINAL (IN)	NUMBER EXAMINED:	0	2	0	0	0	0	5	7	1	2	2	1
	NOT REMARKABLE:	0	1	0	0	0	0	2	3	1	0	1	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	1	0	0	0	0	0	0	0	0	0	0
--HYPERPLASIA, LYMPHOPLASMACYTIC		0	0	0	0	0	0	1	4	0	2	0	1
--INFILTRATE, MACROPHAGE, PIGMENTED		0	0	0	0	0	0	1	0	0	0	1	0
--HEMORRHAGE		0	0	0	0	0	0	1	0	0	0	1	0
--N-CARCINOMA		0	0	0	0	0	0	1	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---											
	SEX:	MALE						FEMALE					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
	NUMBER:	70	60	60	60	70	40	70	60	60	60	70	40
LN, OTHER (LN)	NUMBER EXAMINED:	1	1	2	0	1	0	0	0	0	0	2	0
	NOT REMARKABLE:	0	0	1	0	0	0	0	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		1	1	0	0	0	0	0	0	0	0	0	0
--HEMORRHAGE		0	0	1	0	0	0	0	0	0	0	1	0
--INFILTRATE, MACROPHAGE, PIGMENTED		0	0	1	0	1	0	0	0	0	0	2	0
LN, RENAL (RL)	NUMBER EXAMINED:	0	4	3	3	3	3	2	1	0	1	1	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	1	0	0	0	0	0	0	0	0	0	0
--HYPERPLASIA, LYMPHOPLASMACYTIC		0	2	2	3	0	1	1	0	0	0	1	0
--HEMORRHAGE		0	2	2	1	3	1	1	0	0	1	0	0
--INFILTRATE, MACROPHAGE, PIGMENTED		0	0	1	1	0	1	1	1	0	1	0	0
--DILATATION, SINUSOIDAL		0	0	1	1	2	0	0	0	0	0	0	0
--N-SARCOMA		0	0	0	0	0	1	0	0	0	0	0	0
--LYMPHANGIECTASIS		0	0	0	0	0	2	0	0	0	0	0	0
LN, MANDIBULAR (MN)	NUMBER EXAMINED:	5	4	7	2	4	5	13	6	10	10	9	7
	NOT REMARKABLE:	1	0	0	0	0	0	0	0	0	0	2	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	1	0	0	0	0	0	0	0	0	0	0
--HYPERPLASIA, LYMPHOPLASMACYTIC		3	2	7	1	3	1	11	5	9	9	6	5
--HEMORRHAGE		2	0	0	1	3	3	8	1	2	2	2	5
--LYMPHANGIECTASIS		1	0	1	0	0	2	0	0	0	0	0	0
--INFILTRATE, MACROPHAGE, PIGMENTED		0	0	0	0	1	0	0	0	1	0	0	1
--CONGESTION		0	1	2	0	0	2	0	0	0	0	0	1
--I-SARCOMA		0	0	0	0	0	1	0	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---											
SEX:		----------MALE----------						----------FEMALE----------					
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
NUMBER:		70	60	60	60	70	40	70	60	60	60	70	40
** FROM PREVIOUS PAGE **													
LN, MANDIBULAR (MN)	NUMBER EXAMINED:	5	4	7	2	4	5	13	6	10	10	9	7
	NOT REMARKABLE:	1	0	0	0	0	0	0	0	0	0	2	0
--ABSCESS		0	0	0	0	0	0	0	1	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		0	0	0	0	0	0	0	0	0	0	0	1
VERTEBRA/MARROW (VT)	NUMBER EXAMINED:	0	1	0	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE HN)		0	1	0	0	0	0	0	0	0	0	0	0
MAMMARY, MALE (MM)	NUMBER EXAMINED:	3	4	5	4	5	2	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	1	0	0	0	0	0	0	0	0
--HYPERPLASIA, CYSTIC		0	0	1	1	0	0	0	0	0	0	0	0
--SECRETORY MATERIAL IN LUMINA		0	0	0	1	0	0	0	0	0	0	0	0
--GALACTOCELE		2	4	5	0	3	1	0	0	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		3	1	0	0	0	0	0	0	0	0	0	0
--B-FIBROADENOMA		0	0	1	2	2	0	0	0	0	0	0	0
--M-CARCINOMA		1	0	0	0	0	2	0	0	0	0	0	0
--B-ADENOMA		0	0	0	0	1	0	0	0	0	0	0	0
COAGULATING GL (CG)	NUMBER EXAMINED:	2	0	0	1	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--SECRETORY MATERIAL, INCREASED		1	0	0	1	0	0	0	0	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		1	0	0	0	0	0	0	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---											
	SEX:	MALE						FEMALE					
	GROUP:	-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
	NUMBER:	70	60	60	60	70	40	70	60	60	60	70	40
TAIL (TI)	NUMBER EXAMINED:	5	0	4	2	0	2	1	1	1	1	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		2	0	4	1	0	2	0	1	1	1	0	0
--ULCERATION		0	0	1	0	0	0	0	0	1	0	0	0
--CYST, EPIDERMAL INCLUSION		3	0	0	0	0	0	0	0	0	0	0	0
--ACANTHOSIS / HYPERKERATOSIS		2	0	2	1	0	2	0	1	0	0	0	0
--INFLAMMATION, VASCULAR		0	0	0	0	0	0	1	0	0	0	0	0
--M-NEUROFIBROSARCOMA		0	0	1	0	0	0	0	0	0	0	0	0
--SUPERFICIAL CRUSTING		0	0	0	0	0	1	0	0	0	0	0	0
--B-KERATOACANTHOMA		0	0	0	1	0	0	0	0	0	0	0	0
--M-LIPOSARCOMA		0	0	0	0	0	0	0	0	0	1	0	0
LN, LUMBAR/ILIAC (LM)	NUMBER EXAMINED:	4	1	5	6	2	6	2	4	9	8	7	6
	NOT REMARKABLE:	0	0	0	0	1	1	0	0	0	5	1	1
--LYMPHANGIECTASIS		1	0	3	4	1	4	0	0	1	0	0	1
--HYPERPLASIA, LYMPHOPLASMACYTIC		2	1	4	4	1	2	1	4	7	2	5	4
--HEMORRHAGE		1	1	1	1	1	1	0	0	2	1	2	2
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	0	0	0	0	0	1	0	0	0
--INFLAMMATION, SUBACUTE		0	0	1	0	0	0	0	0	0	0	0	0
--INFILTRATE, MACROPHAGE, PIGMENTED		1	0	0	0	0	0	0	0	1	1	0	0
--INFLAMMATION, CHRONIC-ACTIVE		0	0	0	0	0	0	0	0	0	0	0	1
--N-CARCINOMA		0	0	0	0	0	0	1	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---											
SEX:		----------MALE----------						----------FEMALE----------					
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
NUMBER:		70	60	60	60	70	40	70	60	60	60	70	40
CAVITY, ABDOM (PC)	NUMBER EXAMINED:	1	0	1	3	2	4	1	1	0	0	4	1
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--INFLAMMATION / NECROSIS, FAT		1	0	1	2	0	2	0	1	0	0	3	1
--M-FIBROSARCOMA		0	0	0	0	1	0	0	0	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		1	0	0	0	0	0	0	0	0	0	1	0
--HEMATOMA		0	0	0	0	1	0	0	0	0	0	0	0
--INFLAMMATION, VASCULAR		0	0	0	1	0	2	0	0	0	0	0	0
--THROMBUS		0	0	0	1	0	1	0	0	0	0	0	0
--M-LIPOSARCOMA		0	0	0	0	0	0	1	0	0	0	0	0
AUDITORY SEB GL (AS)	NUMBER EXAMINED:	0	1	2	0	0	0	0	0	1	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--M-CARCINOMA		0	1	1	0	0	0	0	0	1	0	0	0
--I-SARCOMA		0	0	1	0	0	0	0	0	0	0	0	0
PREPUTIAL GLAND (PG)	NUMBER EXAMINED:	0	1	2	0	1	2	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		0	1	2	0	1	2	0	0	0	0	0	0
--ECTASIA, DUCTAL		0	0	2	0	0	1	0	0	0	0	0	0
FOOT/FOOTPAD (FP)	NUMBER EXAMINED:	2	2	3	6	4	2	2	3	2	2	5	2
	NOT REMARKABLE:	1	0	0	0	0	0	0	0	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		1	2	3	6	4	2	2	3	2	2	5	2
--ULCERATION		1	2	3	4	2	1	1	2	2	2	2	1

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---											
SEX:		----------MALE----------						----------FEMALE----------					
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
NUMBER:		70	60	60	60	70	40	70	60	60	60	70	40
** FROM PREVIOUS PAGE **													
FOOT/FOOTPAD (FP)	NUMBER EXAMINED:	2	2	3	6	4	2	2	3	2	2	5	2
	NOT REMARKABLE:	1	0	0	0	0	0	0	0	0	0	0	0
--ACANTHOSIS / HYPERKERATOSIS		0	1	3	4	3	1	1	3	2	2	4	2
--B-FIBROMA		0	0	0	0	0	0	1	0	0	0	0	0
--FIBROSIS		0	0	0	0	1	1	0	1	1	0	1	1
--BACTERIA		0	1	0	1	1	0	0	1	0	0	1	0
--HYPERPLASIA, BONE		0	0	0	0	0	1	0	0	0	0	1	0
AORTA (AO)	NUMBER EXAMINED:	0	1	3	2	2	1	0	0	0	1	0	0
	NOT REMARKABLE:	0	0	1	0	0	1	0	0	0	0	0	0
--M-LIPOSARCOMA		0	0	0	0	1	0	0	0	0	0	0	0
--MINERALIZATION		0	1	2	2	1	0	0	0	0	1	0	0
CALVARIUM/SKULL (CA)	NUMBER EXAMINED:	0	1	1	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--I-SARCOMA		0	1	1	0	0	0	0	0	0	0	0	0
LN, ANT MES/PANC (AP)	NUMBER EXAMINED:	0	1	2	0	1	2	1	1	1	0	1	0
	NOT REMARKABLE:	0	0	0	0	1	1	0	0	0	0	0	0
--HEMORRHAGE		0	1	1	0	0	0	1	1	1	0	1	0
--HYPERPLASIA, LYMPHOPLASMACYTIC		0	0	2	0	0	0	1	1	0	0	1	0
--INFILTRATE, MACROPHAGE, PIGMENTED		0	0	2	0	0	1	0	1	1	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---											
SEX:		----------MALE----------						----------FEMALE----------					
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
NUMBER:		70	60	60	60	70	40	70	60	60	60	70	40
HEAD, CORONAL (HC)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	1	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--INFLAMMATION, ACUTE, EAR		0	0	0	0	0	0	0	0	0	1	0	0
JOINT, OTHER (JT)	NUMBER EXAMINED:	1	1	3	1	1	3	0	0	0	0	1	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		1	1	3	1	1	3	0	0	0	0	1	0
--PROBABLE FRACTURE		0	0	1	0	0	0	0	0	0	0	0	0
--FIBROSIS		1	0	0	0	0	1	0	0	0	0	0	0
--HYPERPLASIA, BONE		0	0	0	0	0	1	0	0	0	0	0	0
CLITORAL GLAND (CL)	NUMBER EXAMINED:	0	0	0	0	0	0	1	1	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--ECTASIA, DUCTAL		0	0	0	0	0	0	1	1	0	0	0	0
--INFLAMMATION, CHRONIC-ACTIVE		0	0	0	0	0	0	0	1	0	0	0	0
--HYPERKERATOSIS		0	0	0	0	0	0	0	1	0	0	0	0
URETER (UE)	NUMBER EXAMINED:	0	0	0	0	0	1	0	0	0	1	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	1	0	0
--UNILATERALLY EXAMINED		0	0	0	0	0	1	0	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---											
SEX:		----------MALE----------						----------FEMALE----------					
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
	NUMBER:	70	60	60	60	70	40	70	60	60	60	70	40
ADIPOSE TISSUE (AT)	NUMBER EXAMINED:	0	0	1	0	0	0	1	1	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	1	0	0	0	0
--M-LIPOSARCOMA		0	0	0	0	0	0	1	0	0	0	0	0
--INFILTRATE, EOSINOPHILIC		0	0	1	0	0	0	0	0	0	0	0	0
--INFLAMMATION, GRANULOMATOUS		0	0	1	0	0	0	0	0	0	0	0	0
DIAPHRAGM (DP)	NUMBER EXAMINED:	0	0	0	0	0	0	1	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--I-LIPOSARCOMA		0	0	0	0	0	0	1	0	0	0	0	0
CAVITY, THORACIC (TA)	NUMBER EXAMINED:	1	0	0	0	0	0	1	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--B-HIBERNOMA		0	0	0	0	0	0	1	0	0	0	0	0
--B-AORTIC BODY TUMOR		1	0	0	0	0	0	0	0	0	0	0	0
LN, TRACHEOBRON (TB)	NUMBER EXAMINED:	0	0	0	0	0	1	0	0	1	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--HYPERPLASIA, LYMPHOPLASMACYTIC		0	0	0	0	0	0	0	0	1	0	0	0
--DILATATION, SINUSOIDAL		0	0	0	0	0	1	0	0	0	0	0	0
--HEMORRHAGE		0	0	0	0	0	1	0	0	0	0	0	0
--N-SARCOMA		0	0	0	0	0	1	0	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---											
SEX:		MALE						FEMALE					
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
NUMBER:		70	60	60	60	70	40	70	60	60	60	70	40
LN, POPLITEAL (PP)	NUMBER EXAMINED:	0	0	0	0	0	1	0	0	1	0	0	1
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	0	0	0	0	0	1	0	0	0
--HYPERPLASIA, PLASMACYTIC		0	0	0	0	0	1	0	0	0	0	0	1
MUSCLE, OTHER (MO)	NUMBER EXAMINED:	0	0	1	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--INFLAMMATION, GRANULOMATOUS		0	0	1	0	0	0	0	0	0	0	0	0
--INFILTRATE, EOSINOPHILIC		0	0	1	0	0	0	0	0	0	0	0	0
PERICARDIAL SAC (PD)	NUMBER EXAMINED:	0	0	1	0	0	1	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--M-SARCOMA, UNDIFFERENTIATED		0	0	0	0	0	1	0	0	0	0	0	0
--N-SARCOMA		0	0	1	0	0	0	0	0	0	0	0	0
PINNA (PN)	NUMBER EXAMINED:	0	0	0	0	0	1	0	0	0	0	0	1
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--M-SARCOMA		0	0	0	0	0	1	0	0	0	0	0	0
--B-PAPILLOMA, SQUAMOUS CELL		0	0	0	0	0	0	0	0	0	0	0	1
ARTERY, OTHER (AU)	NUMBER EXAMINED:	0	0	1	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--MINERALIZATION		0	0	1	0	0	0	0	0	0	0	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

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

ORGAN AND FINDING DESCRIPTION		--- NUMBER OF ANIMALS AFFECTED ---											
SEX:		MALE						FEMALE					
GROUP:		-1-	-2-	-3-	-4-	-5-	-6-	-1-	-2-	-3-	-4-	-5-	-6-
NUMBER:		70	60	60	60	70	40	70	60	60	60	70	40
AORTIC ARCH (AA)	NUMBER EXAMINED:	0	0	1	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--MINERALIZATION		0	0	1	0	0	0	0	0	0	0	0	0
LN, ILEOCECAL (IC)	NUMBER EXAMINED:	0	0	0	0	0	0	0	0	0	1	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE)		0	0	0	0	0	0	0	0	0	1	0	0
VAS DEFERENS (VS)	NUMBER EXAMINED:	0	0	0	0	0	1	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	1	0	0	0	0	0	0
BILE DUCT (BD)	NUMBER EXAMINED:	0	0	1	0	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--CYST		0	0	1	0	0	0	0	0	0	0	0	0
--INFLAMMATION, CHRONIC		0	0	1	0	0	0	0	0	0	0	0	0
--THROMBUS		0	0	1	0	0	0	0	0	0	0	0	0
TRIGEMINAL NERVE (TG)	NUMBER EXAMINED:	0	0	0	1	0	0	0	0	0	0	0	0
	NOT REMARKABLE:	0	0	0	0	0	0	0	0	0	0	0	0
--GANGLION		0	0	0	1	0	0	0	0	0	0	0	0

** END OF LIST **

Incidence of Microscopic Observations

Recovery Sacrifice

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=6;WEEKS=ALL
DEATH=U;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	MALE	FEMALE
	GROUP:	-6-	-6-
	NUMBER:	10	17
** TOP OF LIST **			
EYE (EY)	NUMBER EXAMINED:	0	1
	NOT REMARKABLE:	0	0
--DYSTROPHY, CORNEAL		0	1
IN EARLY STAGES, CONSISTS PRIMARILY OF FOCAL MINERALIZATION			
BRAIN (BR)	NUMBER EXAMINED:	4	7
	NOT REMARKABLE:	1	2
--DILATATION, VENTRICULAR		1	1
--COMPRESSION, VENTRAL		3	4
--I-CARCINOMA		0	1
LIVER (LI)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	0	0
--INFILTRATE, LYMPHOHISTIOCYTIC		9	16
--NECROSIS, INDIVIDUAL HEPATOCYTE		1	2
--VACUOLATION, HEPATOCELLULAR, PERIPORTAL		2	6
--FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL		5	8
--FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC		5	7
--DEGENERATION, CYSTIC		3	1
--NECROSIS, COAGULATIVE		1	1
--HEMATOPOIESIS, EXTRAMEDULLARY		0	1
--HYPERPLASIA, BILE DUCT		8	9
--FIBROSIS, PERIBILIARY		3	3
--HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL		2	4
--INFILTRATE, MACROPHAGE, PIGMENTED		0	1

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=6;WEEKS=ALL
DEATH=U;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	MALE	FEMALE
	GROUP:	-6-	-6-
	NUMBER:	10	17
** FROM PREVIOUS PAGE **			
LIVER (LI)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	0	0
--VACUOLATION, HEPATOCELLULAR		2	1
--CYST, BILIARY		0	2
--ANGIECTASIS		0	2
--B-ADENOMA, HEPATOCELLULAR		0	1
LIVER-OIL RED O (LI0)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
KIDNEY (KD)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	0	1
--NEPHROPATHY, CHRONIC PROGRESSIVE		9	8
--DILATATION, PELVIC		1	1
--MINERALIZATION, PELVIC		1	13
--MINERALIZATION, TUBULAR		0	1
--HYPERPLASIA, TRANSITIONAL CELL		0	3
--INFLAMMATION, SUPPURATIVE, PELVIC		0	1
--CYST		1	0
SPLEEN (SP)	NUMBER EXAMINED:	1	0
	NOT REMARKABLE:	0	0
--HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED		1	0
--FIBROSIS, CAPSULAR		1	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=6;WEEKS=ALL
DEATH=U;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	MALE	FEMALE
	GROUP:	-6-	-6-
	NUMBER:	10	17
PANCREAS (PA)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	1	11
--ZYMOGEN GRANULES, DECREASED		1	2
--INFILTRATE, MACROPHAGE, PIGMENTED		0	1
--HYPERPLASIA, ISLET CELLS		1	0
--ATROPHY, ACINAR		1	0
--HYPERTROPHY / BASOPHILIA, ACINAR CELL		2	0
--M-CARCINOMA, ISLET CELL		1	0
--B-ADENOMA, ISLET CELL		1	0
--INFILTRATION, FAT, INTERSTITIAL		3	4
--INFLAMMATION, VASCULAR		1	0
ADRENAL, CORTEX (AC)	NUMBER EXAMINED:	0	3
	NOT REMARKABLE:	0	0
--HYPERTROPHY, CORTICAL CELL		0	1
--DEGENERATION, CYSTIC / HEMORRHAGIC		0	2
--PIGMENT		0	3
--DEGENERATION / NECROSIS, UNILATERAL		0	1
--M-CARCINOMA		0	1
ADRENAL, MEDULLA (MA)	NUMBER EXAMINED:	0	1
	NOT REMARKABLE:	0	1

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=6;WEEKS=ALL
DEATH=U;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D --- SEX: MALE	FEMALE
	GROUP:	-6-	-6-
	NUMBER:	10	17
LN, MESENTERIC (MS)	NUMBER EXAMINED:	0	1
	NOT REMARKABLE:	0	0
--INFILTRATE, MACROPHAGE, PIGMENTED		0	1
OVARY (OV)	NUMBER EXAMINED:	0	8
	NOT REMARKABLE:	0	2
--CYST		0	4
--HYPERPLASIA, GRANULOSA CELL		0	2
TESTIS (TE)	NUMBER EXAMINED:	9	0
	NOT REMARKABLE:	8	0
--HYPERPLASIA, INTERSTITIAL CELL (LEYDIG CELL)		1	0
BONE, FEMUR (FE)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
MARROW, FEMUR (FM)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
MARROW, STERNUM (SE)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0

Incidence of Microscopic Observations

Recovery Sacrifice

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=6;WEEKS=ALL
DEATH=U;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	MALE	FEMALE
	GROUP:	-6-	-6-
	NUMBER:	10	17
BONE, STERNUM (SB)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
SPINAL CORD (SC)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
THYMUS (TH)	NUMBER EXAMINED:	0	2
	NOT REMARKABLE:	0	0
--CYST		0	1
--HYPERPLASIA, LYMPHORETICULAR		0	1
--HYPERPLASIA, EPITHELIAL		0	1
LUNG (LU)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	3	9
--MINERALIZATION, VASCULAR		3	2
--N-CARCINOMA		0	1
--INFILTRATE, MACROPHAGE, ALVEOLAR		5	3
--INFILTRATE, LYMPHOHISTIOCYTIC		1	1
--MINERALIZATION, ALVEOLAR LUMINA		0	1
--INFILTRATE, MACROPHAGE, PIGMENTED		0	1
HEART (HT)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=6;WEEKS=ALL
DEATH=U;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	MALE	FEMALE
	GROUP:	-6-	-6-
	NUMBER:	10	17
MUSCLE, SKELETAL (SM)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
NERVE, SCIATIC (SN)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
TRACHEA (TR)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
ESOPHAGUS (ES)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
THYROID (TY)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	2	7
--HYPERPLASIA, C-CELL		2	5
--M-CARCINOMA, FOLLICULAR CELL		1	0
--DILATATION / CYST, FOLLICULAR		1	0
--B-ADENOMA, C-CELL		2	4
--B-ADENOMA, FOLLICULAR CELL		5	1
--M-CARCINOMA, C-CELL		0	1

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=6;WEEKS=ALL
DEATH=U;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	MALE	FEMALE
	GROUP:	-6-	-6-
	NUMBER:	10	17
PARATHYROID (PT)	NUMBER EXAMINED:	10	16
	NOT REMARKABLE:	8	16
--HYPERPLASIA		2	0
PITUITARY (PI)	NUMBER EXAMINED:	8	11
	NOT REMARKABLE:	0	0
--B-ADENOMA		7	9
--HYPERPLASIA		1	3
--CYST		0	1
--M-CARCINOMA		0	1
HARDERIAN GLAND (HG)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
SALIV GL, MANDIB (SG)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
STOMACH, GL (ST)	NUMBER EXAMINED:	4	4
	NOT REMARKABLE:	1	2
--EROSION		0	1
--INFLAMMATION, CHRONIC-ACTIVE		1	1
--ULCERATION		1	0
--HYPERPLASIA, EPITHELIAL, GLANDULAR		3	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=6;WEEKS=ALL
DEATH=U;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D --- SEX: MALE	FEMALE
	GROUP:	-6-	-6-
	NUMBER:	10	17
STOMACH, NONGL (SU)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
DUODENUM (DU)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
JEJUNUM (JE)	NUMBER EXAMINED:	0	1
	NOT REMARKABLE:	0	0
--M-CARCINOMA		0	1
ILEUM (IL)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
CECUM (CE)	NUMBER EXAMINED:	1	0
	NOT REMARKABLE:	1	0
COLON (CO)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
RECTUM (RE)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0

Incidence of Microscopic Observations

Recovery Sacrifice

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=6;WEEKS=ALL
DEATH=U;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	MALE	FEMALE
	GROUP:	-6-	-6-
	NUMBER:	10	17
SKIN (SK)	NUMBER EXAMINED:	3	2
	NOT REMARKABLE:	0	0
--INFLAMMATION, CHRONIC-ACTIVE		1	1
--B-KERATOACANTHOMA		2	1
--B-PAPILLOMA, SQUAMOUS CELL		1	1
MAMMARY, FEMALE (MF)	NUMBER EXAMINED:	0	17
	NOT REMARKABLE:	0	0
--M-CARCINOMA		0	1
--CYST / GALACTOCELE		0	7
--INFLAMMATION, CHRONIC-ACTIVE		0	2
--B-FIBROADENOMA		0	7
--HYPERPLASIA, GLANDULAR		0	11
--B-ADENOMA		0	2
URINARY BLADDER (UB)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	9	15
--HEMORRHAGE		0	1
--INFILTRATE, LYMPHOHISTIOCYTIC		1	2
--HYPERPLASIA, TRANSITIONAL CELL		0	1
UTERUS (UT)	NUMBER EXAMINED:	0	6
	NOT REMARKABLE:	0	1
--DILATATION		0	2

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=6;WEEKS=ALL
DEATH=U;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	MALE	FEMALE
	GROUP:	-6-	-6-
	NUMBER:	10	17
** FROM PREVIOUS PAGE **			
UTERUS (UT)	NUMBER EXAMINED:	0	6
	NOT REMARKABLE:	0	1
--B-POLYP, ENDOMETRIAL, STROMAL		0	1
--HYPERPLASIA, CYSTIC, ENDOMETRIAL		0	3
--M-LEIOMYOSARCOMA		0	1
CERVIX (CV)	NUMBER EXAMINED:	0	1
	NOT REMARKABLE:	0	0
--B-POLYP, STROMAL		0	1
VAGINA (VA)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
PROSTATE (PR)	NUMBER EXAMINED:	1	0
	NOT REMARKABLE:	0	0
--INFLAMMATION, CHRONIC-ACTIVE		1	0
SEMINAL VESICLES (SV)	NUMBER EXAMINED:	1	0
	NOT REMARKABLE:	0	0
--SECRETION, DECREASED		1	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=6;WEEKS=ALL
DEATH=U;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	MALE	FEMALE
	GROUP:	-6-	-6-
	NUMBER:	10	17
EPIDIDYMIDES (EP)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
HEMATO NEOPLASIA (HN)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
CAUSE OF DEATH (CD)	NUMBER EXAMINED:	10	17
	NOT REMARKABLE:	0	0
--SCHEDULED SACRIFICE		10	17
LN, MEDIASTINAL (ML)	NUMBER EXAMINED:	2	1
	NOT REMARKABLE:	0	0
--HYPERPLASIA, LYMPHOPLASMACYTIC		1	1
--LYMPHANGIECTASIS		1	0
LN, AXILLARY (AX)	NUMBER EXAMINED:	1	4
	NOT REMARKABLE:	1	2
--HYPERPLASIA, LYMPHOPLASMACYTIC		0	2
LN, INGUINAL (IN)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0

Incidence of Microscopic Observations

Recovery Sacrifice

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=6;WEEKS=ALL
DEATH=U;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	MALE	FEMALE
	GROUP:	-6-	-6-
	NUMBER:	10	17
LN, OTHER (LN)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
LN, RENAL (RL)	NUMBER EXAMINED:	1	0
	NOT REMARKABLE:	0	0
--INFILTRATE, MACROPHAGE, PIGMENTED		1	0
--LYMPHANGIECTASIS		1	0
LN, MANDIBULAR (MN)	NUMBER EXAMINED:	1	5
	NOT REMARKABLE:	0	0
--HYPERPLASIA, LYMPHOPLASMACYTIC		1	3
--HEMORRHAGE		1	4
--LYMPHANGIECTASIS		1	0
VERTEBRA/MARROW (VT)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
MAMMARY, MALE (MM)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
COAGULATING GL (CG)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0

Incidence of Microscopic Observations

Recovery Sacrifice

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=6;WEEKS=ALL
DEATH=U;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	MALE	FEMALE
	GROUP:	-6-	-6-
	NUMBER:	10	17
TAIL (TI)	NUMBER EXAMINED:	2	0
	NOT REMARKABLE:	0	0
--INFLAMMATION, CHRONIC-ACTIVE		2	0
--ACANTHOSIS / HYPERKERATOSIS		2	0
--SUPERFICIAL CRUSTING		1	0
LN, LUMBAR/ILIAC (LM)	NUMBER EXAMINED:	2	4
	NOT REMARKABLE:	0	1
--LYMPHANGIECTASIS		2	1
--HYPERPLASIA, LYMPHOPLASMACYTIC		0	2
--HEMORRHAGE		0	1
CAVITY, ABDOM (PC)	NUMBER EXAMINED:	1	0
	NOT REMARKABLE:	0	0
--INFLAMMATION, VASCULAR		1	0
AUDITORY SEB GL (AS)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
PREPUTIAL GLAND (PG)	NUMBER EXAMINED:	2	0
	NOT REMARKABLE:	0	0
--INFLAMMATION, CHRONIC-ACTIVE		2	0
--ECTASIA, DUCTAL		1	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=6;WEEKS=ALL
DEATH=U;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- NUMBER-OF-ANIMALS-AFFECTED ---	
	SEX:	MALE	FEMALE
	GROUP:	-6-	-6-
	NUMBER:	10	17
FOOT/FOOTPAD (FP)	NUMBER EXAMINED:	1	1
	NOT REMARKABLE:	0	0
--INFLAMMATION, CHRONIC-ACTIVE		1	1
--ULCERATION		0	1
--ACANTHOSIS / HYPERKERATOSIS		0	1
--FIBROSIS		1	1
--HYPERPLASIA, BONE		1	0
AORTA (AO)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
CALVARIUM/SKULL (CA)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
LN, ANT MES/PANC (AP)	NUMBER EXAMINED:	1	0
	NOT REMARKABLE:	1	0
HEAD, CORONAL (HC)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=6;WEEKS=ALL
DEATH=U;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	MALE	FEMALE
	GROUP:	-6-	-6-
	NUMBER:	10	17
JOINT, OTHER (JT)	NUMBER EXAMINED:	3	0
	NOT REMARKABLE:	0	0
--INFLAMMATION, CHRONIC-ACTIVE		3	0
--FIBROSIS		1	0
--HYPERPLASIA, BONE		1	0
CLITORAL GLAND (CL)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
URETER (UE)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
ADIPOSE TISSUE (AT)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
DIAPHRAGM (DP)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
CAVITY, THORACIC (TA)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0

TABLE INCLUDES:
SEX=ALL;GROUP=6;WEEKS=ALL
DEATH=U;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	MALE	FEMALE
	GROUP:	-6-	-6-
	NUMBER:	10	17
LN, TRACHEOBRON (TB)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
LN, POPLITEAL (PP)	NUMBER EXAMINED:	1	0
	NOT REMARKABLE:	0	0
--HYPERPLASIA, PLASMACYTIC		1	0
MUSCLE, OTHER (MO)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
PERICARDIAL SAC (PD)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
PINNA (PN)	NUMBER EXAMINED:	0	1
	NOT REMARKABLE:	0	0
--B-PAPILLOMA, SQUAMOUS CELL		0	1
ARTERY, OTHER (AU)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

TABLE INCLUDES:
SEX=ALL;GROUP=6;WEEKS=ALL
DEATH=U;FIND=ALL;SUBSET=ALL

ORGAN AND FINDING DESCRIPTION		--- N U M B E R - O F - A N I M A L S - A F F E C T E D ---	
	SEX:	MALE	FEMALE
	GROUP:	-6-	-6-
	NUMBER:	10	17
AORTIC ARCH (AA)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
LN, ILEOCECAL (IC)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
VAS DEFERENS (VS)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
BILE DUCT (BD)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0
TRIGEMINAL NERVE (TG)	NUMBER EXAMINED:	0	0
	NOT REMARKABLE:	0	0

** END OF LIST **

APPENDIX 1

Protocol Deviations

Protocol Deviations

Protocol. Husbandry. Diet. "Certified Rodent Diet #5002, meal (PMI Nutrition International) *ad libitum*."

Actual Procedure. During the course of the study, for a total of 29 incidences, 24 animals were found without access to food. Food was provided when the limited access was noted. Comments regarding limited access to food are recorded in the data.

During single housing on April 13, 1998 (acclimation), temporary Animal No. 593 was not fed in.

Protocol. Husbandry. Water. "*Ad libitum*."

Actual Procedure. On April 29, 1998, during the a.m. room check it was noticed that Animal Nos. C92671 through C92690 (Group 3 males), and C92691 through C92725 (Group 4 males) did not have access to water due to a kinked water hose.

Protocol. Husbandry. Housing. "Individual (may be group-housed during acclimation)."

Actual Procedure. On May 10, 1998, Animal No. C92989 (Group 2 female) was found out of its cage during the a.m. check.

Protocol. Termination. Unscheduled Sacrifices and Deaths. "Animals to be sacrificed will be anesthetized with carbon dioxide, weighed, and exsanguinated."

Actual Procedure. At necropsy, Animal Nos. C92918 (Group 1 female), C92939 (Group 2 female), and C93038 (Group 3 female) were anesthetized with sodium pentobarbital instead of carbon dioxide. At necropsy, Animal No. C92621 received approximately 1.0mL of sodium pentobarbital prior to administration of carbon dioxide anesthesia.

A body weight was not taken for Animal Nos. C92566 (Group 1 male), C92687 (Group 3 male) and C92966 (Group 2 female) prior to necropsy.

Protocol Deviations (Continued)

Protocol. Postmortem Procedures. Tissue Preservation. "At the terminal sacrifice, sections of the heart and liver will be collected from 10 animals/sex/group in Groups 1, 4, 5, and 6 and preserved in 2.0% paraformaldehyde/2.5% glutaraldehyde in 0.1 M phosphate buffer. These tissues will be processed and embedded in epoxy blocks for possible future examination by electron microscopy.

Actual Procedure. At the terminal sacrifice, tissues were collected from 11 animals in Group 4 (females) for possible electron microscopy instead of 10 animals.

Protocol. Postmortem Procedures. Histopathology. "Lesions, liver, lungs, kidneys, pancreas, thyroid, testes, and mammary glands (females) from each animal in Groups 2, 3, 4, and 6 sacrificed at the terminal and recovery sacrifices will be embedded in paraffin, sectioned, stained with hematoxylin and eosin, and examined microscopically."

Actual Procedure. At the terminal sacrifice, one mammary gland mass was not collected for Animal Nos. C92927 (Group 1 female) and C93078 (Group 4 female).

At necropsy, the mass located in the inguinal region for Animal No. C92729 was not commented on or collected.

On July 13, 1999, a macroscopic lesion for Animal No. C92838 was not collected at the time of necropsy.

At the terminal and recovery sacrifices, parathyroid glands were examined microscopically from animals in Groups 2, 3, 4.

Protocol. Postmortem Procedures. Histopathology. "Slides of the pancreas from males found dead, sacrificed at an unscheduled interval, or sacrificed at the Week 14 and 53 interim sacrifices, terminal, and recovery sacrifices will be sent to Tox Path Inc. for peer-review and results will be provided to Covance for inclusion in the final report."

Actual Procedure. Results of the peer-review are not included in the final report. The results are on file with Covance.

Protocol Deviations (Continued)

Protocol. Experimental Design. Postmortem Procedures. "The following tissues (when present) or representative samples will be collected from each animal and preserved in 10% neutral-buffered formalin, unless otherwise specified."

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

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

COVANCE
THE DEVELOPMENT SERVICES COMPANY

Sponsor:

3M
St. Paul, Minnesota

FINAL REPORT

Study Title:

104-Week Dietary Chronic Toxicity and Carcinogenicity Study with Perfluorooctane Sulfonic Acid Potassium Salt (PFOS; T-6295) in Rats

Author:

Peter J. Thomford, PhD

Study Completion Date:

January 2, 2002

Testing Facility:

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

Laboratory Study Identification:

Covance 6329-183

Sponsor Study Identification:

3M T-6295

CONTENTS

VOLUME II OF IX **Page**

APPENDIX 2 520
Individual Animal Fate Data 521
Individual Clinical Observations 543

APPENDIX 2

Individual Animal Fate Data
Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C92501	1	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/20/99	366	53
C92502	1	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/04/99	533	77
C92503	1	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/21/00	733	105
C92504	1	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/20/99	366	53
C92505	1	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C92506	1	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	05/15/98	26	4
C92507	1	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/20/99	366	53
C92508	1	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	10/08/99	537	77
C92509	1	MALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/21/98	93	14
C92510	1	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C92511	1	MALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/21/98	93	14
C92512	1	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/20/99	366	53
C92513	1	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C92514	1	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/21/00	733	105
C92515	1	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	03/12/00	693	99
C92516	1	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	03/11/99	326	47
C92517	1	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/20/99	366	53
C92518	1	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C92519	1	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	10/28/99	557	80
C92520	1	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	11/18/99	578	83
C92521	1	MALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/21/98	93	14
C92522	1	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/29/00	681	98
C92523	1	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/20/99	366	53
C92524	1	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	05/15/98	26	4
C92525	1	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	08/30/99	498	72
C92526	1	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	05/15/98	26	4
C92527	1	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/24/99	584	84
C92528	1	MALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/21/98	93	14
C92529	1	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	05/15/98	26	4
C92530	1	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/18/99	547	79
C92531	1	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	08/03/99	471	68
C92532	1	MALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/21/98	93	14
C92533	1	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/29/99	589	85
C92534	1	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/20/99	366	53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C92535	1	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/14/00	666	96
C92536	1	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/17/99	546	78
C92537	1	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	02/14/00	666	96
C92538	1	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	09/14/99	513	74
C92539	1	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/28/00	680	98
C92540	1	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/20/99	366	53
C92541	1	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C92542	1	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/21/00	733	105
C92543	1	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	03/14/00	695	100
C92544	1	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C92545	1	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	01/31/00	652	94
C92546	1	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	05/15/98	26	4
C92547	1	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/21/99	611	88
C92548	1	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	11/22/99	582	84
C92549	1	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	10/31/99	560	80
C92550	1	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	04/15/00	727	104
C92551	1	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C92552	1	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	04/14/00	726	104
C92553	1	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/28/99	435	63
C92554	1	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	04/07/00	719	103
C92555	1	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/08/99	415	60
C92556	1	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/28/99	435	63
C92557	1	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/27/99	617	89
C92558	1	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/28/99	557	80
C92559	1	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	10/22/99	551	79
C92560	1	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/31/99	560	80
C92561	1	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/29/99	436	63
C92562	1	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/20/99	366	53
C92563	1	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/24/99	584	84
C92564	1	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	08/19/99	487	70
C92565	1	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	01/16/00	637	91
C92566	1	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/21/98	155	23
C92567	1	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	01/12/00	633	91
C92568	1	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	03/20/00	701	101

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C92569	1	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C92570	1	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/20/99	366	53
C92571	2	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/21/00	702	101
C92572	2	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	03/21/00	702	101
C92573	2	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/24/99	584	84
C92574	2	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	05/15/98	26	4
C92575	2	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	05/15/98	26	4
C92576	2	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/21/00	673	97
C92577	2	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/21/00	733	105
C92578	2	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/08/99	598	86
C92579	2	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	12/12/99	602	86
C92580	2	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/20/99	549	79
C92581	2	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	04/17/00	729	105
C92582	2	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/21/00	702	101
C92583	2	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C92584	2	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/11/99	418	60
C92585	2	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/12/99	268	39
C92586	2	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/07/99	506	73
C92587	2	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/20/99	610	88
C92588	2	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	04/03/00	715	103
C92589	2	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/13/00	694	100
C92590	2	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C92591	2	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	02/18/00	670	96
C92592	2	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/20/99	610	88
C92593	2	MALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/21/98	93	14
C92594	2	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	02/15/00	667	96
C92595	2	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/23/99	583	84
C92596	2	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	08/23/99	491	71
C92597	2	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C92598	2	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C92599	2	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	05/09/99	385	55
C92600	2	MALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/21/98	93	14
C92601	2	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/21/00	733	105
C92602	2	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/21/00	733	105

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C92603	2	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	08/24/98	127	19
C92604	2	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/10/00	631	91
C92605	2	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	04/11/00	723	104
C92606	2	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/13/99	542	78
C92607	2	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/10/00	631	91
C92608	2	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/19/99	548	79
C92609	2	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	04/12/00	724	104
C92610	2	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	05/15/98	26	4
C92611	2	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/20/99	610	88
C92612	2	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/18/99	547	79
C92613	2	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	05/15/98	26	4
C92614	2	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	01/19/00	640	92
C92615	2	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/03/00	624	90
C92616	2	MALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/21/98	93	14
C92617	2	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/05/99	565	81
C92618	2	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	05/15/98	26	4
C92619	2	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C92620	2	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	02/15/00	667	96
C92621	2	MALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/21/98	93	14
C92622	2	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	11/18/99	578	83
C92623	2	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/21/00	733	105
C92624	2	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	06/18/99	425	61
C92625	2	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/28/99	588	84
C92626	2	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C92627	2	MALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/21/98	93	14
C92628	2	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/07/99	506	73
C92629	2	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	10/17/99	546	78
C92630	2	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/26/99	616	88
C92631	3	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C92632	3	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	04/03/00	715	103
C92633	3	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C92634	3	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	12/13/99	603	87
C92635	3	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/20/99	549	79
C92636	3	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	03/01/00	682	98

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C92637	3	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C92638	3	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/10/00	631	91
C92639	3	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/29/99	589	85
C92640	3	MALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/21/98	93	14
C92641	3	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C92642	3	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C92643	3	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/21/00	733	105
C92644	3	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C92645	3	MALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/21/98	93	14
C92646	3	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	05/15/98	26	4
C92647	3	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/28/99	557	80
C92648	3	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/15/99	605	87
C92649	3	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C92650	3	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	05/15/98	26	4
C92651	3	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/01/99	561	81
C92652	3	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	05/15/98	26	4
C92653	3	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/21/00	733	105
C92654	3	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/20/99	549	79
C92655	3	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/01/00	653	94
C92656	3	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/21/00	673	97
C92657	3	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/21/00	733	105
C92658	3	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	02/01/00	653	94
C92659	3	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C92660	3	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C92661	3	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/03/00	624	90
C92662	3	MALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/21/98	93	14
C92663	3	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	02/08/00	660	95
C92664	3	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	10/11/99	540	78
C92665	3	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	12/24/99	614	88
C92666	3	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/01/99	530	76
C92667	3	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/20/99	549	79
C92668	3	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	05/15/98	26	4
C92669	3	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C92670	3	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/13/99	512	74

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C92671	3	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	01/29/00	650	93
C92672	3	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/13/00	665	95
C92673	3	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	02/07/00	659	95
C92674	3	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C92675	3	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/31/00	712	102
C92676	3	MALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/21/98	93	14
C92677	3	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	03/09/00	690	99
C92678	3	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	05/15/98	26	4
C92679	3	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	05/07/99	383	55
C92680	3	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/23/99	583	84
C92681	3	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/16/99	606	87
C92682	3	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C92683	3	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/21/00	733	105
C92684	3	MALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/21/98	93	14
C92685	3	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/25/99	554	80
C92686	3	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/22/99	582	84
C92687	3	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/03/99	502	72
C92688	3	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/25/00	677	97
C92689	3	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	05/14/99	390	56
C92690	3	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/21/00	733	105
C92691	4	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C92692	4	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	04/19/99	365	53
C92693	4	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/21/00	733	105
C92694	4	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C92695	4	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C92696	4	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C92697	4	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	07/28/99	465	67
C92698	4	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C92699	4	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C92700	4	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/21/00	733	105
C92701	4	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	04/19/99	365	53
C92702	4	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C92703	4	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	06/16/99	423	61
C92704	4	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C92705	4	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C92706	4	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/28/00	680	98
C92707	4	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/06/00	627	90
C92708	4	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C92709	4	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	01/12/00	633	91
C92710	4	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	08/18/99	486	70
C92711	4	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	01/19/00	640	92
C92712	4	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/13/99	603	87
C92713	4	MALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/21/98	93	14
C92714	4	MALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/21/98	93	14
C92715	4	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	05/15/98	26	4
C92716	4	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C92717	4	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/21/00	733	105
C92718	4	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	05/15/98	26	4
C92719	4	MALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/21/98	93	14
C92720	4	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	11/16/99	576	83
C92721	4	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/28/99	557	80
C92722	4	MALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/21/98	93	14
C92723	4	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/23/99	552	79
C92724	4	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C92725	4	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	04/17/99	363	52
C92726	4	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/21/00	733	105
C92727	4	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	01/09/00	630	90
C92728	4	MALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/21/98	93	14
C92729	4	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/20/99	549	79
C92730	4	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C92731	4	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	05/15/98	26	4
C92732	4	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	11/18/99	578	83
C92733	4	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/27/99	617	89
C92734	4	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	05/15/98	26	4
C92735	4	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C92736	4	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/21/00	733	105
C92737	4	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/16/00	637	91
C92738	4	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	01/20/00	641	92

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C92739	4	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/21/00	733	105
C92740	4	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/21/00	733	105
C92741	4	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/12/00	633	91
C92742	4	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C92743	4	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	11/27/99	587	84
C92744	4	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	05/15/98	26	4
C92745	4	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/03/00	624	90
C92746	4	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/22/99	551	79
C92747	4	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C92748	4	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C92749	4	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	04/06/00	718	103
C92750	4	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C92751	5	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/20/99	366	53
C92752	5	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	05/15/98	26	4
C92753	5	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/21/00	733	105
C92754	5	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/20/99	366	53
C92755	5	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/20/99	366	53
C92756	5	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/24/99	614	88
C92757	5	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C92758	5	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/21/99	428	62
C92759	5	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	05/15/98	26	4
C92760	5	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/13/99	512	74
C92761	5	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C92762	5	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C92763	5	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/01/00	653	94
C92764	5	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/01/99	530	76
C92765	5	MALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/21/98	93	14
C92766	5	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	03/24/00	705	101
C92767	5	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	03/10/00	691	99
C92768	5	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/08/00	660	95
C92769	5	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	04/09/00	721	103
C92770	5	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	03/21/00	702	101
C92771	5	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/07/99	567	81
C92772	5	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	04/14/99	360	52

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C92773	5	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	04/19/00	731	105
C92774	5	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/21/00	733	105
C92775	5	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C92776	5	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C92777	5	MALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/21/98	93	14
C92778	5	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/20/99	366	53
C92779	5	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	05/15/98	26	4
C92780	5	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/21/00	733	105
C92781	5	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/06/99	535	77
C92782	5	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C92783	5	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/18/99	547	79
C92784	5	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/27/99	556	80
C92785	5	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	03/05/00	686	98
C92786	5	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C92787	5	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	03/13/99	328	47
C92788	5	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/21/00	733	105
C92789	5	MALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/21/98	93	14
C92790	5	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/20/99	366	53
C92791	5	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C92792	5	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C92793	5	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	05/15/98	26	4
C92794	5	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	05/26/99	402	58
C92795	5	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/20/99	366	53
C92796	5	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/20/99	366	53
C92797	5	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/01/00	653	94
C92798	5	MALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	05/15/98	26	4
C92799	5	MALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/21/98	93	14
C92800	5	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C92801	5	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	05/17/99	393	57
C92802	5	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C92803	5	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/21/00	733	105
C92804	5	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C92805	5	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/01/99	500	72
C92806	5	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/10/00	691	99

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C92807	5	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	12/07/99	597	86
C92808	5	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C92809	5	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/21/00	733	105
C92810	5	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/21/00	673	97
C92811	5	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/25/98	250	36
C92812	5	MALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/21/98	93	14
C92813	5	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/13/00	694	100
C92814	5	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/21/00	733	105
C92815	5	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C92816	5	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	07/09/99	446	64
C92817	5	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/20/99	366	53
C92818	5	MALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C92819	5	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	04/15/00	727	104
C92820	5	MALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/20/99	366	53
C92821	6	MALE	U	SCHEDULED	FIRST POST-RECOV SAC	04/24/00	736	106
C92822	6	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/06/99	566	81
C92823	6	MALE	U	SCHEDULED	FIRST POST-RECOV SAC	04/24/00	736	106
C92824	6	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	02/11/00	663	95
C92825	6	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	02/01/00	653	94
C92826	6	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	05/09/99	385	55
C92827	6	MALE	U	SCHEDULED	FIRST POST-RECOV SAC	04/24/00	736	106
C92828	6	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	11/18/99	578	83
C92829	6	MALE	U	SCHEDULED	FIRST POST-RECOV SAC	04/24/00	736	106
C92830	6	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/09/00	690	99
C92831	6	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/29/99	589	85
C92832	6	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	08/12/99	480	69
C92833	6	MALE	U	SCHEDULED	FIRST POST-RECOV SAC	04/24/00	736	106
C92834	6	MALE	U	SCHEDULED	FIRST POST-RECOV SAC	04/24/00	736	106
C92835	6	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/23/99	522	75
C92836	6	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	01/10/00	631	91
C92837	6	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	07/12/99	449	65
C92838	6	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	07/13/99	450	65
C92839	6	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	01/02/00	623	89
C92840	6	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	04/03/00	715	103

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C92841	6	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	08/08/99	476	68
C92842	6	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/12/00	633	91
C92843	6	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	10/08/99	537	77
C92844	6	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/19/99	579	83
C92845	6	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/12/00	664	95
C92846	6	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	04/09/00	721	103
C92847	6	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/28/00	680	98
C92848	6	MALE	U	SCHEDULED	FIRST POST-RECOV SAC	04/24/00	736	106
C92849	6	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	08/16/99	484	70
C92850	6	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	04/18/00	730	105
C92851	6	MALE	U	SCHEDULED	FIRST POST-RECOV SAC	04/24/00	736	106
C92852	6	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	08/07/99	475	68
C92853	6	MALE	U	SCHEDULED	FIRST POST-RECOV SAC	04/24/00	736	106
C92854	6	MALE	D	UNSCHEDULED	UNSCHEDULED DEATH	03/24/00	705	101
C92855	6	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	08/16/99	484	70
C92856	6	MALE	U	SCHEDULED	FIRST POST-RECOV SAC	04/24/00	736	106
C92857	6	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/16/99	576	83
C92858	6	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/21/00	673	97
C92859	6	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/01/99	500	72
C92860	6	MALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/26/00	678	97
C92861	1	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	05/15/98	26	4
C92862	1	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/20/99	366	53
C92863	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/15/99	575	83
C92864	1	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	05/15/98	26	4
C92865	1	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	07/12/99	449	65
C92866	1	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/21/00	733	105
C92867	1	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C92868	1	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C92869	1	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C92870	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	04/17/00	729	105
C92871	1	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C92872	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/28/99	618	89
C92873	1	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/21/00	733	105
C92874	1	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C92875	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/24/99	553	79
C92876	1	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/20/99	366	53
C92877	1	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C92878	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/02/99	562	81
C92879	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/24/00	645	93
C92880	1	FEMALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/21/98	93	14
C92881	1	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/21/00	733	105
C92882	1	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/21/00	733	105
C92883	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/14/99	604	87
C92884	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/14/00	666	96
C92885	1	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/21/00	733	105
C92886	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/01/99	561	81
C92887	1	FEMALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/21/98	93	14
C92888	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/24/99	553	79
C92889	1	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/20/99	366	53
C92890	1	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/21/00	733	105
C92891	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/01/99	591	85
C92892	1	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C92893	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/20/99	610	88
C92894	1	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/20/99	366	53
C92895	1	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C92896	1	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C92897	1	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C92898	1	FEMALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/21/98	93	14
C92899	1	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/20/99	366	53
C92900	1	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	09/05/99	504	72
C92901	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/22/99	551	79
C92902	1	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	12/27/99	617	89
C92903	1	FEMALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/21/98	93	14
C92904	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/21/00	702	101
C92905	1	FEMALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/21/98	93	14
C92906	1	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C92907	1	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/21/00	733	105
C92908	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/25/00	646	93

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C92909	1	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C92910	1	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/20/99	366	53
C92911	1	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C92912	1	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C92913	1	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C92914	1	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	05/15/98	26	4
C92915	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/18/00	670	96
C92916	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/28/00	649	93
C92917	1	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/20/99	366	53
C92918	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/09/99	508	73
C92919	1	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	05/15/98	26	4
C92920	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	08/30/99	498	72
C92921	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	05/17/99	393	57
C92922	1	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/20/99	366	53
C92923	1	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/20/99	366	53
C92924	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/29/99	589	85
C92925	1	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/21/00	733	105
C92926	1	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	05/15/98	26	4
C92927	1	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C92928	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/15/99	575	83
C92929	1	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/08/99	415	60
C92930	1	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/20/99	366	53
C92931	2	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	08/22/99	490	70
C92932	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/29/99	285	41
C92933	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/21/00	642	92
C92934	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/13/99	603	87
C92935	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/22/99	612	88
C92936	2	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C92937	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	07/13/99	450	65
C92938	2	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C92939	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	08/23/99	491	71
C92940	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/13/99	603	87
C92941	2	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	05/15/98	26	4
C92942	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	04/02/99	348	50

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C92943	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/25/00	677	97
C92944	2	FEMALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/21/98	93	14
C92945	2	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	05/15/98	26	4
C92946	2	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C92947	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/04/00	656	94
C92948	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/10/00	691	99
C92949	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/04/98	229	33
C92950	2	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	05/15/98	26	4
C92951	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	04/03/00	715	103
C92952	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	07/19/99	456	66
C92953	2	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/21/00	733	105
C92954	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/23/00	704	101
C92955	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/17/00	638	92
C92956	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/28/00	709	102
C92957	2	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/21/00	733	105
C92958	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/29/99	619	89
C92959	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/28/00	680	98
C92960	2	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/21/00	733	105
C92961	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/10/00	691	99
C92962	2	FEMALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/21/98	93	14
C92963	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/04/00	656	94
C92964	2	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C92965	2	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	11/13/99	573	82
C92966	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/03/99	502	72
C92967	2	FEMALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/21/98	93	14
C92968	2	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	08/09/99	477	69
C92969	2	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	05/15/98	26	4
C92970	2	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C92971	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/03/00	624	90
C92972	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/18/00	670	96
C92973	2	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C92974	2	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C92975	2	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/21/00	733	105
C92976	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/31/00	712	102

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C92977	2	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	03/05/00	686	98
C92978	2	FEMALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/21/98	93	14
C92979	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/01/00	622	89
C92980	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/28/99	435	63
C92981	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/03/99	502	72
C92982	2	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	05/15/98	26	4
C92983	2	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C92984	2	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C92985	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/28/00	680	98
C92986	2	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/21/00	733	105
C92987	2	FEMALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/21/98	93	14
C92988	2	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C92989	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/22/99	582	84
C92990	2	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/01/00	653	94
C92991	3	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/07/00	719	103
C92992	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/23/99	583	84
C92993	3	FEMALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/21/98	93	14
C92994	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/12/99	572	82
C92995	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/17/98	59	9
C92996	3	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	05/15/98	26	4
C92997	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/15/99	575	83
C92998	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/01/99	316	46
C92999	3	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	01/22/00	643	92
C93000	3	FEMALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/21/98	93	14
C93001	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/24/99	584	84
C93002	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/01/99	561	81
C93003	3	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/07/00	719	103
C93004	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/21/99	520	75
C93005	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/09/00	630	90
C93006	3	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	05/15/98	26	4
C93007	3	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/07/00	719	103
C93008	3	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	05/15/98	26	4
C93009	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/21/00	642	92
C93010	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/10/00	631	91

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C93011	3	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/07/00	719	103
C93012	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/01/99	561	81
C93013	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/06/99	596	86
C93014	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/01/99	530	76
C93015	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/31/00	712	102
C93016	3	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	11/11/99	571	82
C93017	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/10/00	631	91
C93018	3	FEMALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/21/98	93	14
C93019	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/22/99	309	45
C93020	3	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	07/24/99	461	66
C93021	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/28/99	435	63
C93022	3	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/07/00	719	103
C93023	3	FEMALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/21/98	93	14
C93024	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/08/99	598	86
C93025	3	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	03/23/00	704	101
C93026	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	04/03/00	715	103
C93027	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/10/00	631	91
C93028	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/17/00	638	92
C93029	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/01/99	500	72
C93030	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/18/00	670	96
C93031	3	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	05/15/98	26	4
C93032	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/27/99	556	80
C93033	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	07/19/99	456	66
C93034	3	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	11/15/99	575	83
C93035	3	FEMALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/21/98	93	14
C93036	3	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	12/02/99	592	85
C93037	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	07/22/99	459	66
C93038	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	08/23/99	491	71
C93039	3	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/07/00	719	103
C93040	3	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/07/00	719	103
C93041	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/15/99	575	83
C93042	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/13/00	665	95
C93043	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/21/00	673	97
C93044	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	07/19/99	456	66

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C93045	3	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	05/15/98	26	4
C93046	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/25/99	554	80
C93047	3	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/07/00	719	103
C93048	3	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/07/00	719	103
C93049	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	08/16/99	484	70
C93050	3	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/02/00	683	98
C93051	4	FEMALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/21/98	93	14
C93052	4	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/01/99	500	72
C93053	4	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	07/22/99	459	66
C93054	4	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/05/99	504	72
C93055	4	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/04/99	533	77
C93056	4	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/10/00	691	99
C93057	4	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/10/00	691	99
C93058	4	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	05/15/98	26	4
C93059	4	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C93060	4	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/21/00	733	105
C93061	4	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	10/29/99	558	80
C93062	4	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C93063	4	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C93064	4	FEMALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/21/98	93	14
C93065	4	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/24/00	645	93
C93066	4	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/24/00	645	93
C93067	4	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	05/15/98	26	4
C93068	4	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	04/06/00	718	103
C93069	4	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/21/00	702	101
C93070	4	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	05/15/98	26	4
C93071	4	FEMALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/21/98	93	14
C93072	4	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C93073	4	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	09/23/99	522	75
C93074	4	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/15/99	575	83
C93075	4	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	05/15/98	26	4
C93076	4	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/01/00	653	94
C93077	4	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/21/00	733	105
C93078	4	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C93079	4	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C93080	4	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/21/00	733	105
C93081	4	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C93082	4	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	02/25/00	677	97
C93083	4	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	04/17/00	729	105
C93084	4	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	05/15/98	26	4
C93085	4	FEMALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/21/98	93	14
C93086	4	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/09/00	630	90
C93087	4	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/16/00	697	100
C93088	4	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	10/15/99	544	78
C93089	4	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/04/00	656	94
C93090	4	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C93091	4	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/06/99	535	77
C93092	4	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/06/99	535	77
C93093	4	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/18/00	670	96
C93094	4	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/18/00	670	96
C93095	4	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	04/17/00	729	105
C93096	4	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	11/22/98	217	31
C93097	4	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/28/00	680	98
C93098	4	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C93099	4	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/19/00	671	96
C93100	4	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	12/28/99	618	89
C93101	4	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C93102	4	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/21/00	733	105
C93103	4	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/10/00	691	99
C93104	4	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/23/99	583	84
C93105	4	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	12/28/99	618	89
C93106	4	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/09/00	661	95
C93107	4	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C93108	4	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	04/18/99	364	52
C93109	4	FEMALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/21/98	93	14
C93110	4	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/09/00	630	90
C93111	5	FEMALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/21/98	93	14
C93112	5	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/20/99	366	53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C93113	5	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C93114	5	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	05/15/98	26	4
C93115	5	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C93116	5	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/20/99	366	53
C93117	5	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/20/99	366	53
C93118	5	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/24/00	645	93
C93119	5	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/17/00	638	92
C93120	5	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/20/99	366	53
C93121	5	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/20/99	549	79
C93122	5	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/21/00	642	92
C93123	5	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	05/15/98	26	4
C93124	5	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C93125	5	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C93126	5	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	05/30/99	406	58
C93127	5	FEMALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/21/98	93	14
C93128	5	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/13/00	694	100
C93129	5	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	03/13/00	694	100
C93130	5	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/20/99	366	53
C93131	5	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/14/00	666	96
C93132	5	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	04/17/00	729	105
C93133	5	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/21/00	733	105
C93134	5	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	08/05/99	473	68
C93135	5	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C93136	5	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	05/09/99	385	55
C93137	5	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C93138	5	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/20/99	366	53
C93139	5	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/21/00	733	105
C93140	5	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C93141	5	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/17/00	698	100
C93142	5	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	05/15/98	26	4
C93143	5	FEMALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/21/98	93	14
C93144	5	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	05/15/98	26	4
C93145	5	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	09/24/99	523	75
C93146	5	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C93147	5	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/20/99	366	53
C93148	5	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	01/15/00	636	91
C93149	5	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C93150	5	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/19/00	640	92
C93151	5	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/21/00	733	105
C93152	5	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	07/19/99	456	66
C93153	5	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C93154	5	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/20/99	366	53
C93155	5	FEMALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/21/98	93	14
C93156	5	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/06/99	596	86
C93157	5	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/21/00	733	105
C93158	5	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C93159	5	FEMALE	1	SCHEDULED	FIRST INTERIM SACRIFICE	05/15/98	26	4
C93160	5	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/27/99	526	76
C93161	5	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C93162	5	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C93163	5	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/20/99	366	53
C93164	5	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C93165	5	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/21/00	733	105
C93166	5	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C93167	5	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/12/99	268	39
C93168	5	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/20/00	732	105
C93169	5	FEMALE	2	SCHEDULED	SECOND INTERIM SACRIFICE	07/21/98	93	14
C93170	5	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/01/00	653	94
C93171	5	FEMALE	3	SCHEDULED	THIRD INTERIM SACRIFICE	04/20/99	366	53
C93172	5	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/17/99	546	78
C93173	5	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	03/28/00	709	102
C93174	5	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/19/00	731	105
C93175	5	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/20/00	641	92
C93176	5	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/23/99	613	88
C93177	5	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/21/00	733	105
C93178	5	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/21/00	733	105
C93179	5	FEMALE	T	SCHEDULED	TERMINAL SACRIFICE	04/21/00	733	105
C93180	5	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	06/28/99	435	63

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C93181	6	FEMALE	U	SCHEDULED	FIRST POST-RECOV SAC	04/24/00	736	106
C93182	6	FEMALE	U	SCHEDULED	FIRST POST-RECOV SAC	04/24/00	736	106
C93183	6	FEMALE	U	SCHEDULED	FIRST POST-RECOV SAC	04/24/00	736	106
C93184	6	FEMALE	U	SCHEDULED	FIRST POST-RECOV SAC	04/24/00	736	106
C93185	6	FEMALE	U	SCHEDULED	FIRST POST-RECOV SAC	04/24/00	736	106
C93186	6	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	09/21/99	520	75
C93187	6	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	04/13/00	725	104
C93188	6	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	04/22/00	734	105
C93189	6	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/15/99	605	87
C93190	6	FEMALE	U	SCHEDULED	FIRST POST-RECOV SAC	04/24/00	736	106
C93191	6	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/12/00	633	91
C93192	6	FEMALE	U	SCHEDULED	FIRST POST-RECOV SAC	04/24/00	736	106
C93193	6	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	10/01/99	530	76
C93194	6	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/17/00	638	92
C93195	6	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	08/23/99	491	71
C93196	6	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/24/99	614	88
C93197	6	FEMALE	U	SCHEDULED	FIRST POST-RECOV SAC	04/24/00	736	106
C93198	6	FEMALE	U	SCHEDULED	FIRST POST-RECOV SAC	04/24/00	736	106
C93199	6	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	07/13/99	450	65
C93200	6	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	02/19/00	671	96
C93201	6	FEMALE	U	SCHEDULED	FIRST POST-RECOV SAC	04/24/00	736	106
C93202	6	FEMALE	U	SCHEDULED	FIRST POST-RECOV SAC	04/24/00	736	106
C93203	6	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/03/00	624	90
C93204	6	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	01/21/00	642	92
C93205	6	FEMALE	U	SCHEDULED	FIRST POST-RECOV SAC	04/24/00	736	106
C93206	6	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	04/15/00	727	104
C93207	6	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/25/99	281	41
C93208	6	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	11/16/99	576	83
C93209	6	FEMALE	U	SCHEDULED	FIRST POST-RECOV SAC	04/24/00	736	106
C93210	6	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	04/22/00	734	105
C93211	6	FEMALE	U	SCHEDULED	FIRST POST-RECOV SAC	04/24/00	736	106
C93212	6	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	11/24/99	584	84
C93213	6	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	11/26/99	586	84
C93214	6	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	03/03/00	684	98

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DOSE GROUP	SEX	DEATH CODE	TYPE OF DEATH	DESCRIPTION OF DEATH	DATE OF DEATH	DAY OF STUDY	WEEK OF STUDY
C93215	6	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	12/06/99	596	86
C93216	6	FEMALE	U	SCHEDULED	FIRST POST-RECOV SAC	04/24/00	736	106
C93217	6	FEMALE	D	UNSCHEDULED	UNSCHEDULED DEATH	01/14/00	635	91
C93218	6	FEMALE	M	UNSCHEDULED	UNSCHEDULED DEATH	01/03/00	624	90
C93219	6	FEMALE	U	SCHEDULED	FIRST POST-RECOV SAC	04/24/00	736	106
C93220	6	FEMALE	U	SCHEDULED	FIRST POST-RECOV SAC	04/24/00	736	106

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92501	3	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365-366
C92502	M	77	APPEARANCE	
			THIN	533
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	533
			HYPOACTIVE	
			<UNSPECIFIED>	533
			DISCHARGE	
			GENITAL	
			RED IN COLOR	274, 281, 337
			EYES	
			RED DISCHARGE	
			EYE-LEFT	533
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 288, 295, 302 309, 316, 323, 330, 344, 351, 358, 365, 372, 379, 386, 393, 400 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491 498, 505, 512, 519, 526

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92503	T	105	APPEARANCE	
			THIN	715, 722, 729, 733
			RESPIRATION	
			AUDIBLE	575, 582, 589, 596
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491
			MASS(ES)	
			TAIL-PROXIMAL	
			WEEK 72	498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C 729C, 733C
			WEEK 105	729C, 733C
C92504	3	53	APPEARANCE	
			MALOCCLUSION	78, 85, 92, 99, 106, 113, 120, 127, 134, 141, 148, 155, 162, 169 176, 183, 190, 197, 204, 211, 218, 225, 232, 239, 246, 253, 260 267, 274, 281, 288, 295, 302, 309, 316, 323, 330, 337, 344, 351 358, 365-366
			MISSING	
			TEETH	78
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92504	3	53	SURGERY	
			PERFORMED BY	
			KATHY EWERS	359
			ANTIBIOTIC	
			ADMINISTERED	
			0.5 ML	359-360
C92505	T	105	APPEARANCE	
			MALOCCLUSION	673, 680, 687, 694, 701, 708, 715
			EYES	
			SQUINTED	
			PERI-ORBITAL	512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596 603, 610
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 617, 624, 631, 638, 645, 652, 659, 666 722, 729, 731

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92506	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22
C92507	3	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365-366
C92508	D	77	SKIN & PELAGE	
			ROUGH HAIR COAT	533, 537
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526
C92509	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C92510	T	105	APPEARANCE	
			MALOCCLUSION	470, 477, 484, 512, 519, 526, 533, 561, 610, 617, 645, 652
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 491

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92510	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	498, 505, 540, 547, 554, 568, 575, 582, 589, 596, 603, 624, 631 638, 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 732
C92511	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C92512	3	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365-366
			SURGERY	
			PERFORMED BY	
			KATHY EWERS	359
			ANTIBIOTIC	
			ADMINISTERED	
			0.5 ML	359-360
C92513	T	105	SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	428, 435, 442
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 449, 456, 463, 470, 477, 484, 491 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92513	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673 680, 687, 694, 701, 708, 715, 722, 729, 732
C92514	T	105	APPEARANCE	
			MALOCCLUSION	414, 421
			SWOLLEN	
			PAW-HIND-RIGHT	617, 624, 631, 638, 645, 652
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-RIGHT	708
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 428, 435, 442, 449, 456, 463, 470, 477, 484 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575 582, 589, 596, 603, 610, 659, 666, 673, 680, 687, 694, 701, 729 733
			MASS(ES)	
			TAIL-PROXIMAL	
			WEEK 102	708, 715, 722

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

CATEGORY GROUP: M1 DOSE: 0 PPM

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	KEYWORD / QUALIFIER	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92515	D	99	APPEARANCE	
			MALOCCLUSION	512, 519, 526, 533, 540, 547, 554, 561
			EYES	
			SQUINTED	
			PERI-ORBITAL	603, 610
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 568, 575, 582, 589, 596, 617, 624, 631 638, 645, 652, 659, 666, 673, 680, 687, 693
C92516	D	47	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 326
C92517	3	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365-366

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92518	T	105	APPEARANCE	
			SWOLLEN	
			PAW-HIND-LEFT	651-652, 659, 666, 673, 680, 687
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 694 701, 708, 715, 722, 729, 731
C92519	D	80	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 557
C92520	D	83	APPEARANCE	
			LIMITED USE	
			LIMB-HIND-RIGHT	491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575 578
			PAW-HIND-RIGHT	470, 477
			SWOLLEN	
			DIGIT(S)-HIND-RIGHT	533, 540, 547, 554, 561, 568, 575, 578
			LIMB-HIND-RIGHT	554, 561, 568
			PAW-HIND-RIGHT	554, 561, 568

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92520	D	83	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 484
C92521	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C92522	M	98	BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	681
			RECUMBENT	
			LATERAL	681
			EXCRETION	
			FEW FECES	681
			EYES	
			RED DISCHARGE	
			EYES	681
			SQUINTED	
			PERI-ORBITAL	681
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-LEFT	624, 631
			PAWS-HIND	638, 645, 652, 659, 666, 673, 680-681
			VENTRAL-ABDOMINAL	330, 337, 344, 351, 449, 456, 463, 519, 526, 533, 631, 680-681

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92522	M	98	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 470 477, 484, 491, 498, 505, 512, 540, 547, 554, 561, 568, 575, 582 589, 596
			MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 63	435C, 442C
			WEEK 87	603C, 610C, 617C, 624C
			WEEK 97	673
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 44	302C, 309C, 316C, 323C
C92523	3	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365-366
C92524	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92525	M	72	APPEARANCE	
			THIN	428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498
			BEHAVIOR	
			HYPOACTIVE	
			MODERATE	498
			EXCRETION	
			FEW FECES	428, 435, 470
			NO FECES	498
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	421, 428, 435, 442, 449, 456, 463
			ROUGH HAIR COAT	449, 456, 463, 470, 477, 484, 491, 498
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 393, 400, 407, 414
			MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 56	386
			WEEK 61	421, 428, 435, 442, 449, 456, 463, 470, 477C, 484C, 491C, 498C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92526	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22
C92527	M	84	APPEARANCE	
			HEAD TILT	
			RIGHT	575, 582, 584
			LIMITED USE	
			LIMB-HIND-RIGHT	584
			THIN	582, 584
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	584
			HYPOACTIVE	
			<UNSPECIFIED>	584
			EXCRETION	
			FEW FECES	584
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	561, 568, 575, 582
			SORE/SCAB	
			PAW-HIND-LEFT	372, 379, 386, 393, 400, 407, 414
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 421, 428 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512, 519 526, 533, 540, 547, 554

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92528	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C92529	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22
C92530	M	79	BEHAVIOR	
			RECUMBENT	
			LATERAL	547
			EXCRETION	
			FEW FECES	547
			RESPIRATION	
			AUDIBLE	547
			IRREGULAR	547
			LABORED	547
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	547
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92531	M	68	BEHAVIOR	
			RECUMBENT	
			LATERAL	471
			EXCRETION	
			FEW FECES	469-470
			NO FECES	471
			EYES	
			RED DISCHARGE	
			EYES	471
			SQUINTED	
			PERI-ORBITAL	471
			RESPIRATION	
			IRREGULAR	471
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463
C92532	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92533	M	85	SKIN & PELAGE	
			RED SKIN	
			HEAD-MAXILLARY-RIGHT	456
			SORE/SCAB	
			HEAD-MAXILLARY-RIGHT	561, 568, 575, 582, 589
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 463, 470
			MASS(ES)	
			HEAD-MAXILLARY-RIGHT	
			WEEK 71	491, 498, 505, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C 568C, 575C, 582C, 589C
			INGUINAL REGION-LEFT	
			WEEK 69	477, 484, 491, 498, 505, 512C, 519C, 526C, 533C, 540C, 547C 554C, 561C, 568C, 575C, 582C, 589C
C92534	3	53	APPEARANCE	
			MALOCCLUSION	365-366
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92534	3	53	SURGERY	
			PERFORMED BY	
			JOHN VAN BERKUM	359
			ANTIBIOTIC	
			ADMINISTERED	
			0.5 ML	359-360
C92535	M	96	APPEARANCE	
			MALOCCLUSION	561
			TREMORS	
			LIMBS-ALL	666
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	666
			COLD TO TOUCH	
			ENTIRE BODY	666
			DISCHARGE	
			GENITAL	
			RED IN COLOR	43
			EXCRETION	
			DISCOLORED FECES	
			RED IN COLOR	666
			NONFORMED FECES	589, 666
			EYES	
			RED DISCHARGE	
			EYES	302

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92535	M	96	EYES	
			SQUINTED	
			PERI-ORBITAL	666
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 568, 575, 582 596, 603, 610, 617, 624, 631, 638, 645, 652, 659
			SACRIFICE	
			SACRIFICE APPROVED BY	
			TOXICOLOGIST	666
C92536	M	78	APPEARANCE	
			SWOLLEN	
			NOSE	546
			BEHAVIOR	
			COLD TO TOUCH	
			ENTIRE BODY	546
			DISCHARGE	
			GENITAL	
			RED IN COLOR	337
			RESPIRATION	
			AUDIBLE	546
			IRREGULAR	546

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92536	M	78	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505, 512, 519, 526, 533, 540
C92537	D	96	EXCRETION	
			FEW FECES	662, 666
			SKIN & PELAGE	
			SORE/SCAB	
			DORSAL	645, 652, 659, 662, 666
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624
			MASS(ES)	
			DORSAL	
			WEEK 93	645C, 652C, 659C, 662C, 666C
			VENTRAL-CERVICAL-LEFT	
			WEEK 91	631C, 638C, 645C, 652C, 659C, 662C, 666C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92538	D	74	APPEARANCE	
			OBES	470, 477, 484, 491, 498, 505, 512-513
			DISCHARGE	
			GENITAL	
			RED IN COLOR	477
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463
C92539	M	98	APPEARANCE	
			THIN	673, 680
			EXCRETION	
			FEW FECES	673, 680
			EYES	
			RED DISCHARGE	
			EYE-LEFT	617, 624, 631, 638, 645, 652, 659
			EYES	666, 673, 680
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER	GROUP: M1 DOSE: 0 PPM DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92539	M	98	NORMAL	
			NO REMARKABLE OBSERVATIONS	568, 575, 582, 589, 596
			MASS(ES)	
			TAIL-PROXIMAL	
			WEEK 87	603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680
C92540	3	53	APPEARANCE	
			MALOCCLUSION	197, 204
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 211 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302 309, 316, 323, 330, 337, 344, 351, 358, 365-366
C92541	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 680 687, 694, 701, 708, 715, 722, 729, 732
			MASS(ES)	
			DORSAL	
			WEEK 68	470C, 477C, 484C, 491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C 547C, 554C, 561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C 624C, 631C, 638C, 645C, 652C, 659C, 666C, 673C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92541	T	105	WART LIKE LESION(S)	
			NOSE	
			WEEK 69	477, 484
C92542	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 100	694, 701, 708
			DORSAL	
			WEEK 103	715C, 722C, 729C, 733C
			TAIL-PROXIMAL	
			WEEK 93	645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C 722C, 729C, 733C
			WART LIKE LESION(S)	
			DORSAL-CERVICAL-RIGHT	
			WEEK 69	477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 733
			HEAD-MAXILLARY-RIGHT	
			WEEK 66	456, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533, 540 547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631 638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715, 722 729, 733

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92543	D	100	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694-695
C92544	T	105	APPEARANCE	
			MALOCCLUSION	43, 50, 57, 59, 64, 71, 78, 85, 92, 99, 106, 113, 120, 127, 134 141, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680 687, 694, 701, 708, 715, 722, 729, 732
			MISSING	
			TEETH	708, 715, 722, 729, 732
			SWOLLEN	
			PAW-HIND-RIGHT	666, 673
			PAWS-HIND	680, 687, 694, 701, 708, 715, 722, 729, 732
			TAIL	729, 732
			THIN	59, 435
			EXCRETION	
			FEW FECES	59, 435
			SKIN & PELAGE	
			ROUGH HAIR COAT	59

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92544	T	105	SKIN & PELAGE	
			SORE/SCAB	
			TAIL-PROXIMAL	589, 596, 603, 610, 617, 624, 631
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36
			MASS(ES)	
			LIMB-FRONT-LEFT	
			WEEK 102	708C, 715C, 722C, 729C, 732C
			WART LIKE LESION(S)	
			PAW-HIND-LEFT	
			WEEK 95	659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 732
C92545	D	94	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624 631, 638, 645, 652
			WART LIKE LESION(S)	
			DORSAL	
			WEEK 69	477, 484, 491, 498, 505, 512, 519, 526, 533

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92546	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22
C92547	M	88	APPEARANCE	
			HEAD TILT	
			RIGHT	611
			THIN	610-611
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	611
			HYPOACTIVE	
			<UNSPECIFIED>	611
			DISCHARGE	
			GENITAL	
			RED IN COLOR	449
			EXCRETION	
			NO FECES	611
			EYES	
			CLEAR DISCHARGE	
			EYE-LEFT	15
			SKIN & PELAGE	
			ROUGH HAIR COAT	610-611
			SORE/SCAB	
			DORSAL	554, 561, 568, 575, 582, 589, 596, 603, 610
			YELLOW HAIR COAT	611

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92547	M	88	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 456, 463, 470, 477, 484 491, 498, 505, 512, 519, 526, 533, 540, 547
C92548	D	84	SKIN & PELAGE	
			SORE/SCAB	
			SHOULDER-RIGHT	29, 36, 43, 50, 57
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 64, 71, 78, 85, 92, 99, 106, 113, 120, 127, 134 141, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582
C92549	D	80	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 560

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92550	D	104	APPEARANCE	
			SWOLLEN	
			PAW-HIND-RIGHT	708, 715, 722, 727
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701
C92551	T	105	SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL	379
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 386, 393 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666 673, 680, 687, 694, 701, 708, 715, 722, 729, 731
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 54	372C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92552	M	104	APPEARANCE	
			HEAD TILT	
			RIGHT	722, 726
			THIN	694, 701, 708, 715, 722, 726
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	726
			EXCRETION	
			FEW FECES	694, 701, 708, 715, 726
			SKIN & PELAGE	
			SORE/SCAB	
			SHOULDER-RIGHT	575, 582, 589, 596, 603, 610
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687
			MASS(ES)	
			SHOULDER-RIGHT	
			WEEK 83	575, 582, 589, 596, 603, 610

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER	GROUP: M1 DOSE: 0 PPM DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92553	M	63	APPEARANCE	
			MALOCCLUSION	295, 302, 309, 344, 365, 372, 379, 400, 407, 414, 421, 428, 435
			SWOLLEN	
			VENTRAL-ABDOMINAL	435
			THIN	141, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 428 435
			DISCHARGE	
			CLEAR ORAL	
			<UNSPECIFIED>	386
			NASAL	
			RED IN COLOR	190, 267, 274
			RESPIRATION	
			AUDIBLE	211, 330, 365
			IRREGULAR	197, 204, 211
			SKIN & PELAGE	
			BROWN HAIR COAT	
			PERINEAL AREA	407, 414, 421, 428, 435
			SCROTUM	330
			ROUGH HAIR COAT	29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113, 120, 127 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400 407, 414, 421, 428, 435
			YELLOW HAIR COAT	204, 211, 218, 225, 232, 239, 246, 267, 274, 281, 288, 295, 302 309, 365, 372, 379, 386, 393, 400

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92553	M	63	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22
C92554	M	103	BEHAVIOR	
			RECUMBENT	
			STERNAL	719
			DISCHARGE	
			GENITAL	
			RED IN COLOR	232
			EXCRETION	
			FEW FECES	708, 715
			NO FECES	719
			EYES	
			SQUINTED	
			PERI-ORBITAL	719
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	715, 719
			VENTRAL-ABDOMINAL	719
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 239, 246, 253, 260, 267, 274, 281, 288, 295 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92554	M	103	NORMAL	
			NO REMARKABLE OBSERVATIONS	666, 673, 680, 687, 694, 701
C92555	M	60	APPEARANCE	
			HUNCHED	409, 414-415
			EXCRETION	
			NO FECES	409, 414-415
			EYES	
			RED DISCHARGE	
			EYE-RIGHT	409, 414-415
			EYES	407
			SKIN & PELAGE	
			ROUGH HAIR COAT	409, 414-415
			YELLOW HAIR COAT	407, 409, 414-415
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 379, 386 393, 400
			MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 54	372

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER	GROUP: M1 DOSE: 0 PPM DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92556	M	63	APPEARANCE	
			MALOCCLUSION	407, 410, 414, 421, 428, 435
			THIN	410, 414, 421, 428, 435
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	428, 435
			EXCRETION	
			FEW FECES	410, 414, 421, 428, 435
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400
C92557	M	89	APPEARANCE	
			HUNCHED	617
			THIN	589, 596, 603, 610, 617
			EXCRETION	
			FEW FECES	617
			SKIN & PELAGE	
			RED HAIR COAT	
			VENTRAL-ABDOMINAL	617
			ROUGH HAIR COAT	603, 610, 617
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92557	M	89	NORMAL	
			NO REMARKABLE OBSERVATIONS	113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582
C92558	M	80	APPEARANCE	
			HUNCHED	557
			THIN	554, 557
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	557
			EXCRETION	
			FEW FECES	551, 554, 557
			EYES	
			SQUINTED	
			PERI-ORBITAL	547, 551, 554, 557
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92559	D	79	SKIN & PELAGE	
			SORE/SCAB	
			TAIL-PROXIMAL	477, 498, 505, 512, 519, 526, 533, 540, 547, 551
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 484, 491
			MASS(ES)	
			TAIL-PROXIMAL	
			WEEK 72	498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 551C
			VENTRAL-THORACIC	
			WEEK 79	547C, 551C
C92560	M	80	BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	560
			RESPIRATION	
			IRREGULAR	560
			SKIN & PELAGE	
			YELLOW HAIR COAT	560
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92560	M	80	NORMAL	
			NO REMARKABLE OBSERVATIONS	295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540
			MASS(ES)	
			TAIL-PROXIMAL	
			WEEK 79	547, 554, 560
C92561	M	63	BEHAVIOR	
			RECUMBENT	
			LATERAL	436
			EXCRETION	
			FEW FECES	436
			RESPIRATION	
			AUDIBLE	436
			IRREGULAR	436
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92562	3	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365-366
			SURGERY	
			PERFORMED BY	
			PATTIE MURPHY	359
			ANTIBIOTIC	
			ADMINISTERED	
			0.5 ML	359-360
C92563	M	84	APPEARANCE	
			THIN	582, 584
			EXCRETION	
			FEW FECES	581-582
			NO FECES	584
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92564	M	70	APPEARANCE	
			HEAD TILT	
			RIGHT	487
			THIN	487
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	487
			EXCRETION	
			FEW FECES	487
			NONFORMED FECES	487
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484
C92565	D	91	APPEARANCE	
			LIMITED USE	
			PAWS-HIND	631, 637
			DISCHARGE	
			NASAL	
			RED IN COLOR	627, 631, 637
			RESPIRATION	
			LABORED	627, 631, 637

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92565	D	91	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624
C92566	M	23	APPEARANCE	
			LIMITED USE	
			LIMBS-ALL	155
			MALOCCLUSION	85, 92, 99, 106, 113, 120, 127, 134, 141, 148, 155
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	155
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78
C92567	D	91	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 633

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92568	D	101	SKIN & PELAGE	
			SORE/SCAB	
			DORSAL	694, 701
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652
			WART LIKE LESION(S)	
			DORSAL	
			WEEK 95	659, 666, 673, 680, 687, 694, 701
C92569	T	105	APPEARANCE	
			THIN	589, 596, 603
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 610, 617, 624, 631, 638
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 93	645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92569	T	105	MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 93	722C, 729C, 731C
C92570	3	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365-366
			SURGERY	
			PERFORMED BY	
			KATHY EWERS	359
			ANTIBIOTIC	
			ADMINISTERED	
			0.5 ML	359-360

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92503	M1	498	72	MASS(ES)	10 X 10MM
	TO	505	73	TAIL-PROXIMAL	
				WEEK 72	
		512	74	MASS(ES)	15 X 10MM
				TAIL-PROXIMAL	
				WEEK 72	
		519	75	MASS(ES)	20 X 15MM
	TO	561	81	TAIL-PROXIMAL	
				WEEK 72	
		568	82	MASS(ES)	15 X 10MM
	TO	733	105	TAIL-PROXIMAL	
				WEEK 72	
		729	105	MASS(ES)	15 X 10MM
	TO	733	105	TAIL-PROXIMAL	BOTTOM
				WEEK 105	
C92522	M1	435	63	MASS(ES)	10 X 10MM
	TO	442	64	VENTRAL-ABDOMINAL	
				WEEK 63	
		603	87	MASS(ES)	10 X 10MM
	TO	610	88	VENTRAL-ABDOMINAL	
				WEEK 87	
		617	89	MASS(ES)	15 X 15MM
	TO	624	90	VENTRAL-ABDOMINAL	
				WEEK 87	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92522	M1	302	44	MASS(ES)	10 X 10MM
	TO	316	46	VENTRAL-ABDOMINAL-LEFT	
				WEEK 44	
		323	47	MASS(ES)	20 X 15MM
				VENTRAL-ABDOMINAL-LEFT	
				WEEK 44	
C92525	M1	477	69	MASS(ES)	10 X 10MM
	TO	498	72	VENTRAL-ABDOMINAL	
				WEEK 61	
C92533	M1	512	74	MASS(ES)	10 X 10MM
	TO	526	76	HEAD-MAXILLARY-RIGHT	
				WEEK 71	
		533	77	MASS(ES)	20 X 15MM
	TO	554	80	HEAD-MAXILLARY-RIGHT	
				WEEK 71	
		561	81	MASS(ES)	20 X 20MM
	TO	568	82	HEAD-MAXILLARY-RIGHT	
				WEEK 71	
		575	83	MASS(ES)	25 X 25MM
				HEAD-MAXILLARY-RIGHT	
				WEEK 71	
		582	84	MASS(ES)	30 X 40MM
	TO	589	85	HEAD-MAXILLARY-RIGHT	
				WEEK 71	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92533	M1	512	74	MASS(ES)	10 X 10MM
	TO	519	75	INGUINAL REGION-LEFT	
				WEEK 69	
		526	76	MASS(ES)	15 X 10MM
	TO	540	78	INGUINAL REGION-LEFT	
				WEEK 69	
		547	79	MASS(ES)	20 X 15MM
				INGUINAL REGION-LEFT	
				WEEK 69	
		554	80	MASS(ES)	20 X 20MM
				INGUINAL REGION-LEFT	
				WEEK 69	
		561	81	MASS(ES)	30 X 25MM
	TO	568	82	INGUINAL REGION-LEFT	
				WEEK 69	
		575	83	MASS(ES)	30 X 30MM
	TO	582	84	INGUINAL REGION-LEFT	
				WEEK 69	
		589	85	MASS(ES)	35 X 40MM
	TO	589	85	INGUINAL REGION-LEFT	
				WEEK 69	
C92537	M1	645	93	MASS(ES)	15 X 15MM
	TO	666	96	DORSAL	
				WEEK 93	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92537	M1	631	91	MASS(ES)	30 X 30MM
	TO	638	92	VENTRAL-CERVICAL-LEFT	
				WEEK 91	
		645	93	MASS(ES)	40 X 35MM
				VENTRAL-CERVICAL-LEFT	
				WEEK 91	
		652	94	MASS(ES)	45 X 50MM
	TO	666	96	VENTRAL-CERVICAL-LEFT	
				WEEK 91	
C92541	M1	470	68	MASS(ES)	10 X 10MM
	TO	673	97	DORSAL	
				WEEK 68	
C92542	M1	715	103	MASS(ES)	10 X 10MM
	TO	733	105	DORSAL	
				WEEK 103	
		645	93	MASS(ES)	15 X 10MM
	TO	733	105	TAIL-PROXIMAL	
				WEEK 93	
C92544	M1	708	102	MASS(ES)	20 X 20MM
				LIMB-FRONT-LEFT	
				WEEK 102	
		715	103	MASS(ES)	30 X 30MM
	TO	732	105	LIMB-FRONT-LEFT	
				WEEK 102	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92551	M1	372	54	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 54	10 X 10MM
C92559	M1	498	72	MASS(ES) TAIL-PROXIMAL WEEK 72	10 X 10MM
	TO	505	73		
		512	74	MASS(ES) TAIL-PROXIMAL WEEK 72	10 X 15MM
	TO	526	76		
		533	77	MASS(ES) TAIL-PROXIMAL WEEK 72	25 X 20MM
	TO	551	79		
		547	79	MASS(ES) VENTRAL-THORACIC WEEK 79	20 X 20MM
	TO	551	79		
C92569	M1	645	93	MASS(ES) AXILLARY REGION-LEFT WEEK 93	10 X 10MM
	TO	731	105		

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER	GROUP: M2 DOSE: 0.5 PPM DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92571	M	101	APPEARANCE	
			HEAD TILT	
			LEFT	694, 701-702
			MALOCCLUSION	155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232, 239 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323, 330 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680-681, 687 694, 701-702
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	687, 701-702
			HYPOACTIVE	
			<UNSPECIFIED>	702
			EXCRETION	
			FEW FECES	681, 687, 694, 701-702
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148
C92572	D	101	APPEARANCE	
			BENT TAIL	120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568 575, 582, 589, 596, 603, 610
			THIN	701-702

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92572	D	101	EXCRETION	
			FEW FECES	701-702
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 694
C92573	M	84	APPEARANCE	
			MALOCCLUSION	407, 414, 421, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 584
			MISSING	
			TEETH	449, 456, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533 540, 547, 554, 561, 568, 575, 582, 584
			SWOLLEN	
			PAW-HIND-LEFT	463, 470, 477
			THIN	582, 584
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	584
			EXCRETION	
			FEW FECES	584
			EYES	
			RED DISCHARGE	
			EYES	584
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92573	M	84	NORMAL	
			NO REMARKABLE OBSERVATIONS	295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 428, 435, 442
C92574	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22
C92575	1	4	SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-CERVICAL	15, 22
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8
C92576	M	97	APPEARANCE	
			LIMITED USE	
			LIMBS-HIND	673
			SKIN & PELAGE	
			SORE/SCAB	
			DORSAL	512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92576	M	97	MASS(ES)	
			DORSAL	
			WEEK 73	505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C 659C, 666C, 673C
C92577	T	105	SKIN & PELAGE	
			SORE/SCAB	
			DORSAL	603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687 694, 701, 708, 715, 722, 729, 733
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 101	701C, 708C, 715C, 722C, 729C, 733C
			DORSAL	
			WEEK 69	477C, 484C, 491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C 554C, 561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C 631C, 638C, 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C 708C, 715C, 722C, 729C, 733C
			HEAD-MAXILLARY-LEFT	
			WEEK 67	463, 470, 477, 484
			WEEK 105	729, 733

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92578	M	86	APPEARANCE	
			THIN	589-590, 596, 598
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	598
			EXCRETION	
			FEW FECES	590, 596, 598
			EYES	
			RED DISCHARGE	
			EYE-LEFT	598
			SKIN & PELAGE	
			PALE	
			ENTIRE BODY	598
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92579	D	86	APPEARANCE	
			THIN	589, 596, 602
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	602
			COLD TO TOUCH	
			ENTIRE BODY	602
			EXCRETION	
			FEW FECES	602
			RESPIRATION	
			LABORED	602
			SKIN & PELAGE	
			PALE	
			ENTIRE BODY	582, 589, 596, 602
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575
			MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 86	596, 602

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92580	M	79	BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	549
			EXCRETION	
			FEW FECES	540, 547, 549
			NONFORMED FECES	549
			EYES	
			RED DISCHARGE	
			EYE-LEFT	549
			SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL-RIGHT	449, 456, 463
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 470, 477, 484, 491, 498, 505, 512, 519 526, 533
			MASS(ES)	
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 61	421, 428, 435C, 442C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92581	M	105	APPEARANCE	
			HUNCHED	729
			OBES	596
			THIN	681, 687, 694, 701, 708, 715, 722, 729
			EXCRETION	
			FEW FECES	722
			NO FECES	681, 687, 729
			NONFORMED FECES	596
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	722, 729
			SORE/SCAB	
			SHOULDER-RIGHT	421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596 603, 610, 617, 624
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 631, 638
			MASS(ES)	
			DORSAL	
			WEEK 85	589C, 596C, 603C, 610C, 617C
			LIMB-HIND-RIGHT	
			WEEK 93	645C, 652C, 659C, 666C, 673C, 680-681C, 687C, 694C, 701C, 708C 715C, 722C, 729C
			SHOULDER-RIGHT	
			WEEK 50	344C, 351C, 358C, 365C, 372C, 379C, 386C, 393C, 400C, 407C, 414C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92581	M	105	MASS(ES)	
			SHOULDER-RIGHT	
			WEEK 50	421C, 428C, 435C, 442C, 449C, 456C, 463C, 470C, 477C, 484C, 491C 498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C
			WART LIKE LESION(S)	
			DORSAL	
			WEEK 95	659, 666, 673, 680-681, 687, 694, 701, 708, 715, 722, 729
C92582	M	101	APPEARANCE	
			LIMITED USE	
			LIMB-FRONT-LEFT	701-702
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	701-702
			EXCRETION	
			FEW FECES	694, 701-702
			SKIN & PELAGE	
			SORE/SCAB	
			SHOULDER-LEFT	694, 701-702
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92582	M	101	NORMAL	
			NO REMARKABLE OBSERVATIONS	659, 666, 673
			MASS(ES)	
			SHOULDER-LEFT	
			WEEK 98	680C, 687C, 694C, 701-702C
C92583	T	105	SKIN & PELAGE	
			SORE/SCAB	
			DORSAL	694, 701, 708, 715, 722, 729, 731
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505
			MASS(ES)	
			DORSAL	
			WEEK 74	512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C, 729C, 731C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92584	M	60	APPEARANCE	
			THIN	418
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	418
			EXCRETION	
			FEW FECES	414, 418
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407
C92585	M	39	APPEARANCE	
			MALOCCLUSION	22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113, 120 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211 218, 225, 232, 239, 246, 253, 260, 267-268
			MISSING	
			TEETH	78, 85, 92, 99, 106, 113, 120, 127, 134, 141, 148, 155, 162, 169 176, 183, 190, 197, 204, 211, 218, 225, 232, 239, 246, 253, 260 267-268
			EXCRETION	
			FEW FECES	253, 260, 267-268
			RESPIRATION	
			AUDIBLE	239
			LABORED	239, 246, 253, 260, 267-268

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92585	M	39	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 39	267-268C
			AXILLARY REGION-RIGHT	
			WEEK 37	253, 260C, 267-268C
			VENTRAL-CERVICAL	
			WEEK 37	253C, 260C, 267-268C
C92586	M	73	APPEARANCE	
			THIN	503-506
			EXCRETION	
			FEW FECES	498, 503-506
			SKIN & PELAGE	
			YELLOW HAIR COAT	504-506
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92587	M	88	APPEARANCE	
			THIN	589-590, 596, 603, 610
			EXCRETION	
			FEW FECES	590, 596, 603, 610
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	610
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582
C92588	M	103	APPEARANCE	
			MALOCCLUSION	29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113, 120, 127 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673 680, 687, 694, 701, 708, 715
			MISSING	
			TEETH	589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673 680, 687, 694, 701, 708, 715
			THIN	708, 715

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92588	M	103	BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	708, 715
			EXCRETION	
			FEW FECES	708, 715
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22
C92589	M	100	APPEARANCE	
			THIN	687, 694
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	694
			HYPOACTIVE	
			<UNSPECIFIED>	694
			EXCRETION	
			FEW FECES	694
			EYES	
			RED DISCHARGE	
			EYES	694
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92589	M	100	NORMAL	
			NO REMARKABLE OBSERVATIONS	477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680
C92590	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 732
C92591	D	96	SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL-LEFT	617, 624, 631, 638, 645
			VENTRAL-ABDOMINAL-RIGHT	519, 526
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 533, 540
			MASS(ES)	
			INGUINAL REGION-LEFT	
			WEEK 87	603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 670

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92591	D	96	MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 79	547, 554, 561, 568, 575, 582C, 589C, 596C, 603C, 610C
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 95	659C, 666C, 670C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 72	498C, 505C, 512C
C92592	M	88	APPEARANCE	
			LIMITED USE	
			LIMBS-HIND	610
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610
C92593	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C92594	D	96	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92594	D	96	NORMAL	
			NO REMARKABLE OBSERVATIONS	659, 666-667
C92595	M	84	APPEARANCE	
			THIN	582-583
			EXCRETION	
			FEW FECES	581-583
			EYES	
			RED DISCHARGE	
			EYES	581-583
			SKIN & PELAGE	
			PALE	
			ENTIRE BODY	582-583
			SORE/SCAB	
			DORSAL-THORACIC	491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575 581-583
			DORSAL-THORACIC-RIGHT	393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 470, 477, 484
			MASS(ES)	
			DORSAL	
			WEEK 73	505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C 581-583C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92596	M	71	APPEARANCE	
			THIN	477, 484, 491
			EXCRETION	
			FEW FECES	477, 484, 491
			SKIN & PELAGE	
			BROWN HAIR COAT	
			SCROTUM	491
			SORE/SCAB	
			VENTRAL-CERVICAL	15
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470
C92597	T	105	APPEARANCE	
			SWOLLEN	
			PAW-HIND-LEFT	645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729 731
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-LEFT	617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701 708, 715, 722, 729, 731
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92597	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610
C92598	T	105	DISCHARGE	
			GENITAL	
			RED IN COLOR	512
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 519, 526, 533, 540, 547, 554, 561, 568 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659 666, 673, 680, 687, 694, 701, 708, 722, 729, 731
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 103	715C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92599	D	55	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 385
C92600	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C92601	T	105	EXCRETION	
			NONFORMED FECES	400
			SKIN & PELAGE	
			SORE/SCAB	
			DORSAL	568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477
			MASS(ES)	
			DORSAL	
			WEEK 70	484, 491, 498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C 561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C 638C, 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C 715C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92601	T	105	WART LIKE LESION(S)	
			DORSAL	
			WEEK 104	722, 729, 733
C92602	T	105	SKIN & PELAGE	
			BLACK SKIN	
			VENTRAL-ABDOMINAL-LEFT	512
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 533, 540, 547, 554, 561, 568, 575, 582, 589 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680 687, 694, 701, 708, 715, 722, 729, 733
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 73	505C, 512C, 519C, 526C
C92603	M	19	APPEARANCE	
			PARALYSIS	
			LIMBS-HIND	127
			BEHAVIOR	
			COLD TO TOUCH	
			LIMBS-HIND	127
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92603	M	19	NORMAL	
			NO REMARKABLE OBSERVATIONS	113, 120
C92604	M	91	APPEARANCE	
			THIN	589, 596, 603, 610, 617, 624, 631
			EXCRETION	
			FEW FECES	624, 631
			SKIN & PELAGE	
			BROWN HAIR COAT	
			VENTRAL-ABDOMINAL	617, 624, 631
			ROUGH HAIR COAT	610, 617, 624, 631
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582
C92605	D	104	BEHAVIOR	
			COLD TO TOUCH	
			ENTIRE BODY	722-723
			RESPIRATION	
			AUDIBLE	722-723

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92605	D	104	SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	722-723
			SORE/SCAB	
			DORSAL	631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715 722-723
			VENTRAL-ABDOMINAL-RIGHT	610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 694 701, 708, 715, 722-723
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512
			MASS(ES)	
			DORSAL	
			WEEK 79	547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631 638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715 722-723
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 83	575C, 582C
			WEEK 87	603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C, 673C 680C, 687C, 694C, 701C, 708C, 715C, 722-723C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 75	519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92606	M	78	APPEARANCE	
			LIMITED USE	
			LIMBS-HIND	542
			PAWS-FRONT	540
			SWOLLEN	
			MOUTH	141
			BEHAVIOR	
			RECUMBENT	
			STERNAL	542
			SKIN & PELAGE	
			SORE/SCAB	
			HEAD-ENTIRE	491, 498, 505
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 148, 155, 162, 169, 176, 183, 190, 197, 204 267, 274, 281, 288, 295, 302, 309, 316, 323, 330, 337, 344, 351 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442 449
			MASS(ES)	
			SHOULDER-RIGHT	
			WEEK 66	456, 463, 470, 477, 484, 491, 498, 505, 512C, 519C, 526C, 533C 540C, 542C
			WART LIKE LESION(S)	
			HEAD-MAXILLARY-LEFT	
			WEEK 31	211, 218, 225, 232, 239, 246, 253, 260
			NOSE	
			WEEK 75	519, 526, 533, 540, 542

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92607	M	91	APPEARANCE	
			THIN	589, 596, 603, 610, 617, 624, 631
			SKIN & PELAGE	
			ROUGH HAIR COAT	617, 624, 631
			SORE/SCAB	
			VENTRAL-ABDOMINAL-RIGHT	204, 211, 218
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 225, 232 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582
			MASS(ES)	
			INGUINAL REGION-RIGHT	
			WEEK 28	190C, 197C
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 30	204, 211
C92608	M	79	APPEARANCE	
			HUNCHED	540, 547-548
			MALOCCLUSION	99, 101, 106, 113, 120, 127, 134, 141, 148, 155, 162, 169, 176 183, 190, 197, 204, 211, 218, 225, 232, 239, 246, 253, 260, 267 274, 281, 288, 295, 302, 309, 316, 323, 330, 337, 344, 351, 358 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442, 449 456, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533, 540 547-548
			THIN	533, 540, 547-548

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92608	M	79	BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	548
			EXCRETION	
			FEW FECES	512, 540, 547-548
			RESPIRATION	
			AUDIBLE	101, 106
			LABORED	99
			SKIN & PELAGE	
			ROUGH HAIR COAT	491, 498, 505, 512, 519, 526, 533, 540, 547-548
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92
C92609	M	104	APPEARANCE	
			LIMITED USE	
			LIMBS-HIND	724
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	724
			EYES	
			CLEAR DISCHARGE	
			EYE-LEFT	589, 596, 603, 610, 724
			EYES	659, 666, 673, 680, 687, 694, 701, 708
			RESPIRATION	
			LABORED	724

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92609	M	104	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 617, 624, 631, 638, 645, 652
			MASS(ES)	
			DORSAL	
			WEEK 102	708C, 715C, 722C, 724C
			WART LIKE LESION(S)	
			HEAD-MAXILLARY-LEFT	
			WEEK 98	680C, 687C, 694C, 701C, 708C, 715C, 722C, 724C
C92610	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22
C92611	M	88	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 449, 456, 463, 470, 477, 484, 491
			MASS(ES)	
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 62	428, 435, 442
			WEEK 72	498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C 575C, 582C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92611	M	88	MASS(ES)	
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 85	589C, 596C, 603C, 610C
C92612	M	79	APPEARANCE	
			THIN	533, 540, 547
			BEHAVIOR	
			HYPOACTIVE	
			SEVERE	547
			RECUMBENT	
			LATERAL	547
			COLD TO TOUCH	
			ENTIRE BODY	547
			RESPIRATION	
			IRREGULAR	547
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	169
			ROUGH HAIR COAT	533, 540, 547
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 176, 183, 190, 197, 204 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505, 512, 519, 526

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92613	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22
C92614	D	92	SKIN & PELAGE	
			SORE/SCAB	
			DORSAL	631, 638, 640
			DORSAL-CERVICAL	617, 624
			VENTRAL-ABDOMINAL-LEFT	323, 330
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589 596, 603, 610
			MASS(ES)	
			DORSAL	
			WEEK 89	617C, 624C, 631C, 638C, 640C
			VENTRAL-ABDOMINAL	
			WEEK 45	309, 316
C92615	M	90	BEHAVIOR	
			RECUMBENT	
			LATERAL	624
			EXCRETION	
			FEW FECES	624

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92615	M	90	SKIN & PELAGE	
			ROUGH HAIR COAT	617, 624
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610
C92616	2	14	EYES	
			CLEAR DISCHARGE	
			EYE-LEFT	50
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 57, 64, 71, 78, 85, 92-93
C92617	M	81	APPEARANCE	
			THIN	561, 565
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	565
			RECUMBENT	
			LATERAL	565
			SENSITIVE TO TOUCH	561
			EXCRETION	
			NO FECES	565

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92617	M	81	EYES	
			PALE	
			EYES	533, 540, 547, 554, 561, 565
			RED DISCHARGE	
			EYES	565
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526
C92618	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22
C92619	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 449, 456, 463, 470, 477 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 732
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 64	442C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92620	D	96	APPEARANCE	
			MALOCCLUSION	64, 71, 78, 85, 92, 99, 106, 113, 120, 127, 134, 141, 148, 155 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232, 239, 246 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323, 330, 337 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512, 519 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610 617, 624, 631, 638, 645, 652, 659, 666-667
			MISSING	
			TEETH	589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666-667
			EXCRETION	
			FEW FECES	666-667
			EYES	
			RED DISCHARGE	
			EYE-RIGHT	561, 568
			SCAB	
			EYE-RIGHT	316
			SKIN & PELAGE	
			PALE	
			ENTIRE BODY	561, 568
			SORE/SCAB	
			VENTRAL-ABDOMINAL-LEFT	505, 512, 519
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 71	491C, 498C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92621	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C92622	D	83	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 533, 540, 547, 554, 561, 568, 575, 578
			MASS(ES)	
			DORSAL	
			WEEK 72	498, 505, 512, 519, 526
C92623	T	105	SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL	659, 666
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 673, 680, 687, 694, 701, 708, 715, 722, 729, 733

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92624	D	61	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 425
C92625	M	84	APPEARANCE	
			HUNCHED	588
			THIN	581-582, 588
			TREMORS	
			HEAD	588
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	588
			COLD TO TOUCH	
			ENTIRE BODY	588
			EXCRETION	
			FEW FECES	581-582, 588
			RESPIRATION	
			IRREGULAR	588
			SKIN & PELAGE	
			PALE	
			ENTIRE BODY	588
			SORE/SCAB	
			DORSAL	561, 568

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD / QUALIFIER (GROUP: M2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92625	M	84	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 575
C92626	T	105	APPEARANCE	
			MALOCCLUSION	106, 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190 197, 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281 288, 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372 379, 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463 470, 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645 652, 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 732
			MISSING	
			TEETH	351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435 442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617 624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708 715, 722, 729, 732
			SWOLLEN	
			PAW-HIND-LEFT	568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 732
			EYES	
			CLEAR DISCHARGE	
			EYE-RIGHT	526
			RED DISCHARGE	
			EYE-RIGHT	533

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92626	T	105	EYES	
			SCAB	
			EYE-RIGHT	316
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-LEFT	526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701 708, 715, 722, 729, 732
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99
C92627	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C92628	M	73	APPEARANCE	
			THIN	428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505-506
			EXCRETION	
			FEW FECES	372, 428, 435, 442
			SKIN & PELAGE	
			ROUGH HAIR COAT	456, 463, 470, 477, 484, 491, 498, 505-506
			YELLOW HAIR COAT	372
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 379, 386 393, 400, 407, 414, 421

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92629	D	78	APPEARANCE	
			THIN	540, 546
			EXCRETION	
			FEW FECES	540, 546
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533
C92630	M	88	APPEARANCE	
			THIN	589, 596, 603, 610, 616
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	616
			HYPOACTIVE	
			<UNSPECIFIED>	616
			EYES	
			CLEAR DISCHARGE	
			EYES	603, 610
			RED DISCHARGE	
			EYES	616
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92630	M	88	NORMAL	
			NO REMARKABLE OBSERVATIONS	204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498
			MASS(ES)	
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 73	505, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C 582C, 589C, 596C, 603C, 610C, 616C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92576	M2	505	73	MASS(ES)	10 X 10MM
		TO 512	74	DORSAL	
				WEEK 73	
		519	75	MASS(ES)	15 X 15MM
		TO 540	78	DORSAL	
				WEEK 73	
		547	79	MASS(ES)	20 X 15MM
				DORSAL	
				WEEK 73	
		554	80	MASS(ES)	20 X 20MM
		TO 561	81	DORSAL	
				WEEK 73	
		568	82	MASS(ES)	20 X 25MM
		TO 582	84	DORSAL	
				WEEK 73	
		589	85	MASS(ES)	20 X 30MM
		TO 596	86	DORSAL	
				WEEK 73	
		603	87	MASS(ES)	25 X 30MM
		TO 617	89	DORSAL	
				WEEK 73	
		624	90	MASS(ES)	30 X 40MM
		TO 673	97	DORSAL	
				WEEK 73	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92577	M2	701	101	MASS(ES) AXILLARY REGION-LEFT WEEK 101	30 X 30MM
		708 TO 733	102 105	MASS(ES) AXILLARY REGION-LEFT WEEK 101	30 X 40MM
		477 TO 505	69 73	MASS(ES) DORSAL WEEK 69	10 X 10MM
		512 TO 526	74 76	MASS(ES) DORSAL WEEK 69	15 X 15MM
		533 TO 561	77 81	MASS(ES) DORSAL WEEK 69	20 X 20MM
		568 TO 673	82 97	MASS(ES) DORSAL WEEK 69	20 X 25MM
		680 TO 722	98 104	MASS(ES) DORSAL WEEK 69	25 X 25MM
		729 TO 733	105 105	MASS(ES) DORSAL WEEK 69	30 X 30MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92580	M2	435	63	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 61	10 X 10MM
		442	64	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 61	15 X 15MM
C92581	M2	589	85	MASS(ES) DORSAL WEEK 85	10 X 15MM
	TO	617	89		
		645	93	MASS(ES) LIMB-HIND-RIGHT WEEK 93	10 X 10MM
	TO	729	105		
		344	50	MASS(ES) SHOULDER-RIGHT WEEK 50	10 X 10MM
	TO	372	54		
		379	55	MASS(ES) SHOULDER-RIGHT WEEK 50	15 X 15MM
	TO	386	56		
		393	57	MASS(ES) SHOULDER-RIGHT WEEK 50	20 X 20MM
	TO	505	73		
		512	74	MASS(ES) SHOULDER-RIGHT WEEK 50	15 X 15MM
	TO	547	79		

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92582	M2	680	98	MASS(ES)	40 X 40MM
	TO	687	99	SHOULDER-LEFT	
				WEEK 98	
		694	100	MASS(ES)	60 X 40MM
	TO	702	101	SHOULDER-LEFT	
				WEEK 98	
C92583	M2	512	74	MASS(ES)	10 X 10MM
	TO	673	97	DORSAL	
				WEEK 74	
		680	98	MASS(ES)	15 X 15MM
	TO	731	105	DORSAL	
				WEEK 74	
C92585	M2	267	39	MASS(ES)	10 X 10MM
	TO	268	39	AXILLARY REGION-LEFT	
				WEEK 39	
		260	38	MASS(ES)	20 X 20MM
	TO	268	39	AXILLARY REGION-RIGHT	
				WEEK 37	
		253	37	MASS(ES)	30 X 20MM
	TO	268	39	VENTRAL-CERVICAL	
				WEEK 37	
C92591	M2	582	84	MASS(ES)	10 X 10MM
	TO	610	88	VENTRAL-ABDOMINAL	
				WEEK 79	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92591	M2	659	95	MASS(ES)	10 X 10MM
	TO	670	96	VENTRAL-ABDOMINAL-LEFT	
				WEEK 95	
		498	72	MASS(ES)	25 X 25MM
	TO	512	74	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 72	
C92595	M2	505	73	MASS(ES)	10 X 10MM
				DORSAL	
				WEEK 73	
		512	74	MASS(ES)	15 X 15MM
	TO	526	76	DORSAL	
				WEEK 73	
		533	77	MASS(ES)	25 X 25MM
	TO	561	81	DORSAL	
				WEEK 73	
		568	82	MASS(ES)	25 X 30MM
	TO	583	84	DORSAL	
				WEEK 73	
C92598	M2	715	103	MASS(ES)	10 X 10MM
				AXILLARY REGION-RIGHT	
				WEEK 103	
C92601	M2	498	72	MASS(ES)	10 X 10MM
	TO	715	103	DORSAL	
				WEEK 70	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD / QUALIFIER	FREE-TEXT COMMENT
C92602	M2	505	73	MASS(ES)	10 X 10MM
	TO	526	76	VENTRAL-ABDOMINAL-LEFT	
				WEEK 73	
C92605	M2	575	83	MASS(ES)	30 X 30MM
	TO	582	84	VENTRAL-ABDOMINAL-LEFT	
				WEEK 83	
		603	87	MASS(ES)	40 X 50MM
	TO	723	104	VENTRAL-ABDOMINAL-LEFT	
				WEEK 87	
C92606	M2	512	74	MASS(ES)	10 X 10MM
	TO	542	78	SHOULDER-RIGHT	
				WEEK 66	
C92607	M2	190	28	MASS(ES)	10 X 10MM
	TO	197	29	INGUINAL REGION-RIGHT	
				WEEK 28	
C92609	M2	708	102	MASS(ES)	10 X 10MM
	TO	724	104	DORSAL	
				WEEK 102	
		680	98	WART LIKE LESION(S)	CORNER OF LEFT EYE
	TO	724	104	HEAD-MAXILLARY-LEFT	
				WEEK 98	
C92611	M2	498	72	MASS(ES)	15 X 15MM
	TO	505	73	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 72	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92611	M2	512	74	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 72	20 X 20MM
		519 TO 533	75 TO 77	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 72	25 X 25MM
		540 TO 547	78 TO 79	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 72	45 X 40MM
		554 TO 561	80 TO 81	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 72	50 X 50MM
		568 TO 575	82 TO 83	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 72	60 X 60MM
		582	84	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 72	75 X 80MM
		589 TO 596	85 TO 86	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 85	80 X 80MM
		603	87	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 85	100 X 100MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92611	M2	610	88	MASS(ES)	120 X 120MM
	TO	610	88	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 85	
C92614	M2	617	89	MASS(ES)	10 X 10MM
	TO	631	91	DORSAL	
				WEEK 89	
		638	92	MASS(ES)	15 X 15MM
	TO	640	92	DORSAL	
				WEEK 89	
C92619	M2	442	64	MASS(ES)	30 X 10MM
				VENTRAL-ABDOMINAL-LEFT	
				WEEK 64	
C92620	M2	491	71	MASS(ES)	20 X 20MM
	TO	498	72	VENTRAL-ABDOMINAL-LEFT	
				WEEK 71	
C92630	M2	512	74	MASS(ES)	10 X 10MM
	TO	616	88	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 73	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92631	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 731
C92632	M	103	APPEARANCE	
			THIN	715
			BEHAVIOR	
			COLD TO TOUCH	
			ENTIRE BODY	715
			EXCRETION	
			FEW FECES	715
			RESPIRATION	
			LABORED	715
			SKIN & PELAGE	
			SORE/SCAB	
			EAR-LEFT	393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659 666, 673, 680, 687, 694, 701, 708, 715
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92632	M	103	NORMAL	
			NO REMARKABLE OBSERVATIONS	113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323
			MASS(ES)	
			EAR-LEFT	
			WEEK 48	330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414 421C, 428C, 435C, 442C, 449C, 456C, 463C, 470C, 477C, 484C, 491C 498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C
			VENTRAL-CERVICAL-LEFT	
			WEEK 103	715C
C92633	T	105	APPEARANCE	
			MALOCCLUSION	330, 337, 344, 351, 365, 372, 379, 386, 393, 400, 407, 428, 435 442, 449, 456, 463, 470, 477, 484, 540, 547, 554, 561, 568, 575 582, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701 708, 715, 722, 729, 732
			DISCHARGE	
			NASAL	
			RED IN COLOR	22
			UNKNOWN	
			RED IN COLOR	21
			RESPIRATION	
			AUDIBLE	21

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92633	T	105	SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-RIGHT	722, 729, 732
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295 302, 309, 316, 323, 358, 414, 421, 491, 498, 505, 512, 519, 526 533, 589, 596, 603, 610, 617
C92634	D	87	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603
C92635	M	79	BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	549
			EXCRETION	
			FEW FECES	547, 549
			NONFORMED FECES	549
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421 428, 435, 442, 449, 456, 463, 470, 519, 526, 533, 540, 547, 549

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92635	M	79	SKIN & PELAGE	
			ROUGH HAIR COAT	533, 540
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 477, 484, 491, 498, 505, 512
			MASS(ES)	
			HEAD-MAXILLARY-RIGHT	
			WEEK 76	526C, 533C, 540C, 547C, 549C
C92636	D	98	APPEARANCE	
			SWOLLEN	
			TESTES	309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666 673, 680, 682
			SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL	400
			VENTRAL-ABDOMINAL-LEFT	617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 682
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92636	D	98	MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 88	610
C92637	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 731
C92638	M	91	APPEARANCE	
			THIN	589, 596, 603, 610, 617, 624, 631
			SKIN & PELAGE	
			PALE	
			ENTIRE BODY	610, 617, 624, 631
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 526, 533, 540, 547, 554, 561, 568, 575, 582
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 73	505, 512, 519

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92639	M	85	APPEARANCE	
			HUNCHED	589
			THIN	512, 519, 526, 533, 540, 547, 582, 589
			EXCRETION	
			FEW FECES	512, 589
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	512, 519, 526, 533, 540, 547
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505, 554, 561, 568, 575
			MASS(ES)	
			TAIL	
			WEEK 49	337
C92640	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92641	T	105	APPEARANCE	
			MALOCCLUSION	176, 183, 190, 197, 204, 211, 218, 225, 232, 239, 246, 253, 260 267, 274, 281, 288, 295, 302, 309, 316, 323, 330, 337, 344, 351 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 732
			MISSING	
			TEETH	687, 694, 701, 708, 715, 722, 729, 732
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 358, 365, 372, 379
C92642	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 731
C92643	T	105	APPEARANCE	
			MALOCCLUSION	554, 666, 673
			SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL-RIGHT	372, 379

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92643	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 386, 393 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484 491, 498, 526, 533, 540, 547, 561, 568, 575, 582, 589, 596, 603 610, 617, 624, 631, 638, 645, 652, 659, 680, 687, 694
			MASS(ES)	
			HEAD-MAXILLARY-LEFT	
			WEEK 73	505, 512, 519
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 101	701C
			VENTRAL-THORACIC-RIGHT	
			WEEK 101	708C, 715C, 722C, 729C, 733C
C92644	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715
			MASS(ES)	
			DORSAL	
			WEEK 104	722, 729, 731

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92645	2	14	EYES	
			RED DISCHARGE	
			EYE-LEFT	64
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 71, 78, 85, 92-93
C92646	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22
C92647	M	80	BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	557
			EXCRETION	
			FEW FECES	551
			NO FECES	557
			EYES	
			SQUINTED	
			PERI-ORBITAL	557
			SKIN & PELAGE	
			ROUGH HAIR COAT	554, 557
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92648	M	87	APPEARANCE	
			THIN	589, 596, 599, 603, 605
			BEHAVIOR	
			AGGRESSIVE	
			<UNSPECIFIED>	589, 596
			HYPOACTIVE	
			<UNSPECIFIED>	605
			EXCRETION	
			FEW FECES	605
			SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL-LEFT	463, 470
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 477, 484, 491, 498, 505, 512, 519 526, 533, 540, 547, 554, 561, 568, 575, 582
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 62	428, 435, 442C, 449C, 456C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92649	T	105	SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL	722
			VENTRAL-ABDOMINAL-RIGHT	428, 435, 442, 624, 631, 638
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 449, 456, 463, 470, 477, 484, 491 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582 589, 596, 603, 610, 617, 645, 652, 659, 666, 673, 680, 687, 694 701, 708, 715, 729, 732
C92650	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22
C92651	M	81	APPEARANCE	
			SWOLLEN	
			PAW-HIND-RIGHT	533, 540, 547, 554, 561
			TAIL-PROXIMAL	540, 547, 554, 561
			THIN	547, 554, 561
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	561
			EXCRETION	
			FEW FECES	561

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92651	M	81	EYES	
			SQUINTED	
			PERI-ORBITAL	561
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526
C92652	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22
C92653	T	105	SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL	610, 617, 624, 631, 638, 645
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 652, 659, 666, 673, 680, 687, 694 701, 708, 715, 722, 729, 733
			MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 88	610C, 617C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92654	M	79	EXCRETION	
			NO FECES	549
			EYES	
			CLEAR DISCHARGE	
			EYE-LEFT	519
			OPAQUE	
			EYE-LEFT	526, 533, 540, 547, 549
			PROTRUDING	
			EYE-LEFT	549
			SCAB	
			EYE-LEFT	533, 540, 547, 549
			SKIN & PELAGE	
			SORE/SCAB	
			HEAD-CRANIAL	526
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92655	M	94	SKIN & PELAGE	
			SORE/SCAB	
			TAIL-MID	624, 631, 638, 645, 652-653
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582
			MASS(ES)	
			TAIL-MID	
			WEEK 85	589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652-653C
C92656	M	97	APPEARANCE	
			THIN	659, 666, 673
			EXCRETION	
			FEW FECES	645, 652, 673
			SKIN & PELAGE	
			PALE	
			ENTIRE BODY	673
			SORE/SCAB	
			DORSAL-THORACIC	414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92656	M	97	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330
			MASS(ES)	
			DORSAL	
			WEEK 49	337, 344, 351, 358C, 365C, 372C, 379C, 386C, 393C, 400C, 407C 414C, 421C, 428C, 435C, 442C, 449C, 456C, 463C, 470C, 477C, 484C 491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C 568C, 575C, 582C
C92657	T	105	SKIN & PELAGE	
			SORE/SCAB	
			DORSAL-CERVICAL-LEFT	596
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 561, 568, 575, 582, 589, 603, 610 617
			MASS(ES)	
			DORSAL	
			WEEK 93	645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C 722C
			HEAD-MAXILLARY-RIGHT	
			WEEK 91	631, 638, 645

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92657	T	105	MASS(ES)	
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 75	519, 526, 533, 540, 547, 554
			WART LIKE LESION(S)	
			SHOULDER-LEFT	
			WEEK 90	624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708 715, 722, 729, 733
C92658	D	94	EYES	
			RED DISCHARGE	
			EYE-RIGHT	211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 603, 610, 617 624, 631, 638, 645, 652-653
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 554, 561, 568, 575, 582, 589, 596
C92659	T	105	APPEARANCE	
			MALOCCLUSION	407, 456, 463, 554, 561, 568, 575, 582, 589, 596, 603, 652, 659 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 732
			SWOLLEN	
			PERI-ORAL	652, 659, 666
			PAW-HIND-LEFT	561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645 652, 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 732
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92659	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 414, 421, 428, 435, 442, 449, 470, 477, 484, 491 498, 505, 512, 519, 526, 533, 540, 547
C92660	T	105	APPEARANCE	
			MALOCCLUSION	463, 470, 477, 484, 533, 561, 568, 575, 582, 589, 596, 603, 610 659, 666, 673, 680, 708
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 491, 498 505, 512, 519, 526, 540, 547, 554, 617, 624, 631, 638, 645, 652 687, 694, 701, 715, 722, 729, 732
C92661	M	90	APPEARANCE	
			THIN	589, 596, 603, 610, 617, 624
			EXCRETION	
			NO FECES	589
			SKIN & PELAGE	
			PALE	
			ENTIRE BODY	624
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92661	M	90	NORMAL	
			NO REMARKABLE OBSERVATIONS	113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309
			WART LIKE LESION(S)	
			VENTRAL-THORACIC-LEFT	
			WEEK 46	316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582
C92662	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C92663	D	95	DISCHARGE	
			GENITAL	
			RED IN COLOR	379
			EXCRETION	
			DISCOLORED URINE	
			RED IN COLOR	400, 498, 504
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 386 393, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484 491, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582 589, 596, 603, 610

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92663	D	95	MASS(ES)	
			SHOULDER-LEFT	
			WEEK 89	617C, 624C, 631C, 638C, 645C, 652C, 659-660C
C92664	D	78	APPEARANCE	
			THIN	533, 540
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	540
			RECUMBENT	
			LATERAL	540
			RESPIRATION	
			LABORED	540
			SKIN & PELAGE	
			ROUGH HAIR COAT	533, 540
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92665	D	88	APPEARANCE	
			SWOLLEN	
			PAW-HIND-RIGHT	575, 582, 589, 596, 603, 610, 614
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568
C92666	M	76	APPEARANCE	
			HEAD TILT	
			RIGHT	526, 530
			THIN	512, 519, 526, 530
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	530
			EXCRETION	
			FEW FECES	512, 530
			SKIN & PELAGE	
			ROUGH HAIR COAT	526, 530
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92666	M	76	NORMAL	
			NO REMARKABLE OBSERVATIONS	295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505
C92667	M	79	APPEARANCE	
			THIN	547, 549
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	549
			EXCRETION	
			FEW FECES	526, 528, 533, 540, 547, 549
			EYES	
			RED DISCHARGE	
			EYE-LEFT	43
			EYE-RIGHT	512, 519
			EYES	526, 528, 533, 540
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	528, 533, 540, 547, 549
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92667	M	79	MASS(ES)	
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 69	477C, 484C, 491C, 498C, 505C, 512C, 519C, 526C, 528C, 533C, 540C 547C, 549C
C92668	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22
C92669	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 732
C92670	M	74	APPEARANCE	
			HUNCHED	512
			THIN	498, 505, 512
			EXCRETION	
			NONFORMED FECES	456
			SKIN & PELAGE	
			PALE	
			ENTIRE BODY	512
			ROUGH HAIR COAT	449, 456, 463, 470, 477, 484, 491, 498, 505, 512
			SORE/SCAB	
			LATERAL-ABDOMINAL-LEFT	449, 456, 463, 470, 477
			LATERAL-ABDOMINAL-RIGHT	449, 456, 463, 470, 477, 484

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92670	M	74	SKIN & PELAGE	
			SORE/SCAB	
			LATERAL-CERVICAL-RIGHT	484, 491, 498, 505
			SHOULDER-LEFT	449, 456
			SHOULDER-RIGHT	449, 456
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442
C92671	D	93	APPEARANCE	
			MALOCCLUSION	141, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589 596, 603, 610, 617, 624, 631, 638, 645, 650
			DISCHARGE	
			UNKNOWN	
			RED IN COLOR	45
			EYES	
			RED DISCHARGE	
			EYE-LEFT	50, 57, 64, 71, 78, 85, 92, 99, 106, 113, 120, 127, 134
			SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL	218, 225

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92671	D	93	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43
			MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 29	197C, 204C, 211C
C92672	M	95	BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	665
			EXCRETION	
			FEW FECES	656, 659, 665
			EYES	
			RED DISCHARGE	
			EYE-LEFT	665
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652
			MASS(ES)	
			DORSAL-CERVICAL-LEFT	
			WEEK 95	659, 665

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92673	D	95	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 477, 484, 491, 498 505, 512, 519, 526, 533, 540, 547, 554
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 81	561, 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C 638C, 645C, 652C, 659C
			WART LIKE LESION(S)	
			LIMB-FRONT-RIGHT	
			WEEK 65	449, 456, 463, 470
C92674	T	105	SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL-RIGHT	400, 407
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680 687, 694, 701, 708, 715, 722, 729, 731

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92674	T	105	MASS(ES)	
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 56	386C, 393C
C92675	M	102	APPEARANCE	
			THIN	708, 712
			EYES	
			RED DISCHARGE	
			EYE-LEFT	680, 687, 694, 701, 708, 712
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617
			MASS(ES)	
			DORSAL	
			WEEK 90	624, 631, 638C, 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C 701C, 708C, 712C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92676	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C92677	D	99	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547
			WART LIKE LESION(S)	
			DORSAL	
			WEEK 80	554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638 645, 652, 659, 666, 673, 680, 687, 690
C92678	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22
C92679	M	55	BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	383
			EXCRETION	
			FEW FECES	383
			EYES	
			RED DISCHARGE	
			EYES	383
			RESPIRATION	
			IRREGULAR	383

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92679	M	55	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379
C92680	M	84	APPEARANCE	
			HUNCHED	582-583
			THIN	498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575 582-583
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	491, 498
			EXCRETION	
			FEW FECES	469-470, 477, 498, 547, 575, 582-583
			EYES	
			SQUINTED	
			PERI-ORBITAL	561, 568, 575, 582-583
			SKIN & PELAGE	
			PALE	
			ENTIRE BODY	484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568 575, 582-583
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92680	M	84	NORMAL	
			NO REMARKABLE OBSERVATIONS	386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463
			WART LIKE LESION(S)	
			HEAD-MAXILLARY-LEFT	
			WEEK 76	526, 533, 540, 547
C92681	M	87	APPEARANCE	
			THIN	596, 603, 606
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	606
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421
			MASS(ES)	
			TAIL-PROXIMAL	
			WEEK 62	428, 435, 442, 449C, 456C, 463C, 470C, 477C, 484C, 491C, 498C 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C 582C, 589C, 596C, 603C, 606C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92682	T	105	SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-RIGHT	722, 729, 731
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715
C92683	T	105	APPEARANCE	
			SWOLLEN	
			LIMB-HIND-LEFT	715, 722, 729, 733
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92684	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C92685	M	80	APPEARANCE	
			MALOCCLUSION	71, 78, 232, 239
			THIN	547, 554
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	554
			RECUMBENT	
			LATERAL	554
			DISCHARGE	
			GENITAL	
			RED IN COLOR	113
			EXCRETION	
			FEW FECES	547, 554
			EYES	
			RED DISCHARGE	
			EYES	554
			SQUINTED	
			PERI-ORBITAL-RIGHT	554
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 85, 92, 99, 106, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92685	M	80	NORMAL	
			NO REMARKABLE OBSERVATIONS	512, 519, 526, 533, 540
			SACRIFICE	
			SACRIFICE APPROVED BY	
			TOXICOLOGIST	554
C92686	M	84	APPEARANCE	
			MALOCCLUSION	554, 561, 568, 575, 582
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	582
			EXCRETION	
			FEW FECES	575, 582
			SKIN & PELAGE	
			RED HAIR COAT	
			VENTRAL-ABDOMINAL	582
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92687	M	72	APPEARANCE	
			THIN	477, 484, 491, 498, 502
			EXCRETION	
			FEW FECES	469-470, 477, 484, 491, 498, 502
			EYES	
			DILATED PUPIL	
			EYES	470, 502
			SKIN & PELAGE	
			ROUGH HAIR COAT	470, 477, 484, 491, 498, 502
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 183, 190, 197, 204, 211, 218, 225, 232, 239, 246, 253 260, 267, 274, 281, 288, 295, 302, 309, 316, 323, 330, 337, 344 351, 358, 365, 372, 379, 386
			WART LIKE LESION(S)	
			HEAD-MAXILLARY-LEFT	
			WEEK 19	127, 134, 141, 148, 155, 162, 169, 176
			WEEK 57	393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 469-470 477, 484, 491, 498, 502

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92688	M	97	APPEARANCE	
			SWOLLEN	
			LIMB-HIND-LEFT	498, 505, 512, 519
			PAW-HIND-LEFT	498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673 677
			THIN	652, 659, 666, 673, 677
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	677
			EXCRETION	
			FEW FECES	677
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491
C92689	D	56	APPEARANCE	
			MALOCCLUSION	386, 390
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92690	T	105	SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-LEFT	645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 733
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92632	M3	421	61	MASS(ES)	10 X 10MM
		TO 428	62	EAR-LEFT	
				WEEK 48	
		435	63	MASS(ES)	15 X 10MM
		TO 442	64	EAR-LEFT	
				WEEK 48	
		449	65	MASS(ES)	15 X 15MM
		TO 484	70	EAR-LEFT	
				WEEK 48	
		491	71	MASS(ES)	25 X 20MM
				EAR-LEFT	
				WEEK 48	
		498	72	MASS(ES)	10 X 10MM
		TO 512	74	EAR-LEFT	
				WEEK 48	
		519	75	MASS(ES)	15 X 15MM
		TO 610	88	EAR-LEFT	
				WEEK 48	
		617	89	MASS(ES)	20 X 20MM
		TO 708	102	EAR-LEFT	
				WEEK 48	
		715	103	MASS(ES)	30 X 30MM
		TO 715	103	EAR-LEFT	
				WEEK 48	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92632	M3	715	103	MASS(ES)	25 X 45MM
	TO	715	103	VENTRAL-CERVICAL-LEFT	
				WEEK 103	
C92635	M3	526	76	MASS(ES)	15 X 15MM
				HEAD-MAXILLARY-RIGHT	
				WEEK 76	
		533	77	MASS(ES)	20 X 15MM
	TO	549	79	HEAD-MAXILLARY-RIGHT	
				WEEK 76	
C92643	M3	701	101	MASS(ES)	40 X 40MM
				VENTRAL-ABDOMINAL-RIGHT	
				WEEK 101	
		708	102	MASS(ES)	40 X 50MM
				VENTRAL-THORACIC-RIGHT	
				WEEK 101	
		715	103	MASS(ES)	60 X 60MM
	TO	733	105	VENTRAL-THORACIC-RIGHT	
				WEEK 101	
C92648	M3	442	64	MASS(ES)	10 X 10MM
	TO	456	66	VENTRAL-ABDOMINAL-LEFT	
				WEEK 62	
C92653	M3	610	88	MASS(ES)	10 X 10MM
				VENTRAL-ABDOMINAL	
				WEEK 88	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92653	M3	617	89	MASS(ES) VENTRAL-ABDOMINAL WEEK 88	20 X 20MM
C92655	M3	589	85	MASS(ES) TAIL-MID WEEK 85	10 X 10MM
	TO	596	86		
		603	87	MASS(ES) TAIL-MID WEEK 85	20 X 15
	TO	631	91		
		638	92	MASS(ES) TAIL-MID WEEK 85	20 X 20MM
	TO	645	93		
		652	94	MASS(ES) TAIL-MID WEEK 85	20 X 25MM
	TO	653	94		
C92656	M3	358	52	MASS(ES) DORSAL WEEK 49	10 X 10MM
	TO	365	53		
		372	54	MASS(ES) DORSAL WEEK 49	15 X 15MM
	TO	407	59		
		414	60	MASS(ES) DORSAL WEEK 49	30 X 30MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92656	M3	421	61	MASS(ES)	20 X 20MM
	TO	484	70	DORSAL	
				WEEK 49	
		491	71	MASS(ES)	30 X 30MM
	TO	554	80	DORSAL	
				WEEK 49	
		561	81	MASS(ES)	30 X 20MM
				DORSAL	
				WEEK 49	
		568	82	MASS(ES)	10 X 15MM
	TO	582	84	DORSAL	
				WEEK 49	
C92657	M3	645	93	MASS(ES)	10 X 10MM
	TO	722	104	DORSAL	
				WEEK 93	
C92663	M3	617	89	MASS(ES)	25 X 30MM
	TO	624	90	SHOULDER-LEFT	
				WEEK 89	
		631	91	MASS(ES)	35 X 40MM
				SHOULDER-LEFT	
				WEEK 89	
		638	92	MASS(ES)	50 X 60MM
				SHOULDER-LEFT	
				WEEK 89	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92663	M3	645	93	MASS(ES) SHOULDER-LEFT WEEK 89	70 X 70MM
		652 TO 660	94 95	MASS(ES) SHOULDER-LEFT WEEK 89	70 X 80MM
C92667	M3	477 TO 498	69 72	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 69	30 X 30MM
		505	73	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 69	30 X 30MM
		512	74	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 69	30 X 30MM
		519	75	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 69	30 X 30MM
		526	76	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 69	30 X 30MM
		528	76	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 69	30 X 30MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD / QUALIFIER	FREE-TEXT COMMENT
C92667	M3	528	76	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 69	30 X 30MM
		533	77	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 69	30 X 30MM
		540	78	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 69	30 X 30MM
		547	79	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 69	30 X 30MM
		549	79	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 69	30 X 30MM
		549	79	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 69	30 X 30MM
C92671	M3	197	29	MASS(ES) VENTRAL-ABDOMINAL WEEK 29	10 X 10MM
		TO 211	31		
C92673	M3	568	82	MASS(ES) AXILLARY REGION-LEFT WEEK 81	15 X 20MM
		TO 575	83		

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92673	M3	582	84	MASS(ES)	20 X 25MM
	TO	596	86	AXILLARY REGION-LEFT	
				WEEK 81	
		603	87	MASS(ES)	30 X 40MM
	TO	610	88	AXILLARY REGION-LEFT	
				WEEK 81	
		617	89	MASS(ES)	40 X 40MM
	TO	624	90	AXILLARY REGION-LEFT	
				WEEK 81	
		631	91	MASS(ES)	40 X 50MM
				AXILLARY REGION-LEFT	
				WEEK 81	
		638	92	MASS(ES)	50 X 50MM
				AXILLARY REGION-LEFT	
				WEEK 81	
		645	93	MASS(ES)	50 X 60MM
	TO	659	95	AXILLARY REGION-LEFT	
				WEEK 81	
C92674	M3	386	56	MASS(ES)	10 X 10MM
	TO	393	57	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 56	
C92675	M3	638	92	MASS(ES)	10 X 10MM
	TO	652	94	DORSAL	
				WEEK 90	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92675	M3	659	95	MASS(ES)	15 X 15MM
	TO	712	102	DORSAL	
				WEEK 90	
C92681	M3	449	65	MASS(ES)	20 X 10MM
	TO	606	87	TAIL-PROXIMAL	
				WEEK 62	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92691	T	105	APPEARANCE	
			MALOCCLUSION	589, 659, 666, 673, 708, 715
			EYES	
			DISCOLORED/LIGHT RED	
			EYE-RIGHT	617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701 708, 715, 722, 729, 731
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 596, 603, 610
C92692	D	53	APPEARANCE	
			MALOCCLUSION	148, 155, 309, 316, 323, 330, 337, 344, 351, 358, 365
			THIN	358, 365
			EXCRETION	
			FEW FECES	358, 365
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 162, 169, 176, 183, 190, 197, 204, 211 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92693	T	105	EYES	
			RED DISCHARGE	
			EYE-LEFT	302, 400, 596
			EYE-RIGHT	533
			SKIN & PELAGE	
			BLACK SKIN	
			DORSAL	687, 694, 701, 708, 715, 722, 729, 733
			SORE/SCAB	
			DORSAL	680, 687, 694, 701, 708, 715, 722, 729, 733
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 295, 309, 316 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 407, 414 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 512, 519 526, 540, 547, 554, 561, 568, 575, 582, 589, 603, 610, 617, 624 631, 638, 645, 652, 659, 666, 673
			MASS(ES)	
			DORSAL	
			WEEK 98	680C, 687C, 694C, 701C, 708C, 715C, 722C, 729C, 733C
			VENTRAL-ABDOMINAL	
			WEEK 72	498C, 505C
			WART LIKE LESION(S)	
			VENTRAL-ABDOMINAL	
			WEEK 40	274, 281, 288

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92694	T	105	APPEARANCE	
			MALOCCLUSION	463, 526, 554, 561, 568, 575, 582, 589, 659, 708, 715
			EYES	
			RED DISCHARGE	
			EYE-RIGHT	652
			SKIN & PELAGE	
			SORE/SCAB	
			MOUTH	463, 470, 477, 603, 610, 617
			PAW-HIND-RIGHT	715, 722, 729, 731
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 484, 491, 498, 505, 512 519, 533, 540, 547, 596, 624, 631, 638, 645, 694, 701
			MASS(ES)	
			MOUTH	
			WEEK 64	442C, 449C, 456C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 95	659C, 666C, 673C, 680C, 687C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92695	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 731
C92696	T	105	SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-RIGHT	722, 729, 731
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715
C92697	M	67	APPEARANCE	
			THIN	463, 465
			BEHAVIOR	
			RECUMBENT	
			LATERAL	465

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92697	M	67	EXCRETION	
			NO FECES	465
			EYES	
			RED DISCHARGE	
			EYES	465
			SKIN & PELAGE	
			SORE/SCAB	
			DORSAL-THORACIC	414, 421, 428, 435, 442, 449, 456, 463, 465
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393
			MASS(ES)	
			DORSAL	
			WEEK 58	400C, 407C, 414C, 421C, 428C, 435C, 442C, 449C, 456C, 463C, 465C
C92698	T	105	EXCRETION	
			FEW FECES	729, 732
			LIQUID FECES	729, 732
			EYES	
			PALE	
			EYES	729, 732

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92698	T	105	SKIN & PELAGE	
			BROWN HAIR COAT	
			PERINEAL AREA	729, 732
			SORE/SCAB	
			AXILLARY REGION-LEFT	687, 694, 701, 708, 715, 722, 729, 732
			OTHER	729C, 732C
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561
			WART LIKE LESION(S)	
			AXILLARY REGION-LEFT	
			WEEK 82	568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 732
C92699	T	105	APPEARANCE	
			MALOCCLUSION	99, 106, 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183 190, 197, 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274 281, 288, 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456 463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729 731
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92700	T	105	APPEARANCE	
			MALOCCLUSION	554, 561, 568, 575
			SWOLLEN	
			VENTRAL-ABDOMINAL	323, 330, 414, 421, 428, 435, 442, 449, 470, 477, 484, 491, 498 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680 687, 694, 701, 708, 715, 722, 729, 733
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	722
			EXCRETION	
			NONFORMED FECES	288
			SKIN & PELAGE	
			ROUGH HAIR COAT	78, 85, 92, 99, 106, 120, 127, 134, 141, 148, 155, 162, 169, 176 183, 190, 197, 204, 211, 218, 225, 232, 239, 246, 253, 260, 267 288, 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372 379, 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463 470, 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645 652, 659, 666, 673, 680, 687
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 113, 274, 281
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 98	680C, 687C, 694C, 701C, 708C, 715C, 722C, 729C, 733C
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 58	400C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92701	M	53	APPEARANCE	
			HUNCHED	365
			THIN	365
			BEHAVIOR	
			COLD TO TOUCH	
			ENTIRE BODY	365
			EXCRETION	
			FEW FECES	365
			EYES	
			RED DISCHARGE	
			EYE-RIGHT	365
			SKIN & PELAGE	
			PALE	
			ENTIRE BODY	365
			SORE/SCAB	
			LIMB-FRONT-RIGHT	351, 358, 365
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316
			MASS(ES)	
			LIMB-FRONT-RIGHT	
			WEEK 47	323C, 330C, 337C, 344C, 351C, 358C, 365C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92702	T	105	APPEARANCE	
			HEAD TILT	
			LEFT	722, 729, 732
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715
C92703	D	61	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 423
C92704	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92704	T	105	MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 90	624, 631, 638, 645, 652, 659C, 666C, 673C, 680C, 687C, 694C 701C, 708C, 715C, 722C, 729C, 732C
C92705	T	105	EYES	
			DISCOLORED/LIGHT RED	
			EYE-RIGHT	715, 722, 729, 731
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708
C92706	M	98	APPEARANCE	
			LIMITED USE	
			LIMBS-HIND	680
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	680
			EYES	
			RED DISCHARGE	
			EYES	680

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92706	M	98	SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL-LEFT	575, 582
			VENTRAL-ABDOMINAL-RIGHT	596, 603, 610
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 617, 624, 631, 638, 645, 652, 659, 666, 673
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 82	568C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 82	568C, 575C, 582C, 589C, 596C
C92707	M	90	APPEARANCE	
			THIN	617, 624, 627
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	624, 627
			DISCHARGE	
			NASAL	
			RED IN COLOR	624, 627

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92707	M	90	EXCRETION	
			FEW FECES	624
			EYES	
			SQUINTED	
			PERI-ORBITAL	624, 627
			SKIN & PELAGE	
			ROUGH HAIR COAT	617, 624, 627
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610
C92708	T	105	APPEARANCE	
			MALOCCLUSION	36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113, 120, 127, 134 141, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680 687, 694, 701, 708, 715, 722, 729, 731
			EYES	
			CLEAR DISCHARGE	
			EYE-RIGHT	540

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92708	T	105	EYES	
			RED DISCHARGE	
			EYE-RIGHT	456
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29
C92709	D	91	APPEARANCE	
			MALOCCLUSION	274, 281, 288, 330, 337, 344, 442, 463, 484, 491, 498, 505, 512 519, 575, 582, 589
			THIN	617, 624, 631, 633
			DISCHARGE	
			NASAL	
			RED IN COLOR	596
			SKIN & PELAGE	
			PALE	
			ENTIRE BODY	631, 633
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 295, 302, 309 316, 323, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421 428, 435, 449, 456, 470, 477, 526, 554, 561, 568, 603, 610
			MASS(ES)	
			PAW-HIND-RIGHT	
			WEEK 77	533, 540, 547

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92710	D	70	SKIN & PELAGE	
			SORE/SCAB	
			LATERAL-LEFT	442
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 449, 456 463, 470, 477, 484, 486
			MASS(ES)	
			DORSAL	
			WEEK 54	372, 379, 386, 393, 400, 407, 414, 421, 428C, 435C
C92711	D	92	DISCHARGE	
			GENITAL	
			RED IN COLOR	456
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 463, 470, 477 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568 575, 582, 589, 596, 603, 610, 617, 631, 638, 640
			WART LIKE LESION(S)	
			DORSAL-CERVICAL-LEFT	
			WEEK 90	624

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92712	M	87	APPEARANCE	
			THIN	596, 603
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	603
			EXCRETION	
			FEW FECES	581-582, 589, 596, 603
			EYES	
			SQUINTED	
			PERI-ORBITAL	603
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575
C92713	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92714	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C92715	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22
C92716	T	105	APPEARANCE	
			THIN	411, 414, 421, 428, 435, 526, 533, 540, 547, 554, 561, 568, 575 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666 673, 680, 687, 694, 701, 708, 715, 722, 729, 732
			EXCRETION	
			FEW FECES	411, 414
			NONFORMED FECES	519, 729, 732
			EYES	
			DISCOLORED/LIGHT RED	
			EYES	386, 393, 400, 407, 411, 414, 421, 428, 435, 442, 449, 456, 463 470, 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645 652, 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 732
			SKIN & PELAGE	
			BROWN HAIR COAT	
			PERINEAL AREA	414
			ROUGH HAIR COAT	414, 421
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92716	T	105	MASS(ES)	
			MOUTH	
			WEEK 83	575C, 582C
			WEEK 95	659, 666
C92717	T	105	SKIN & PELAGE	
			SORE/SCAB	
			DORSAL	729, 733
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589
			MASS(ES)	
			DORSAL	
			WEEK 98	680C, 687C, 694C, 701C, 708C, 715C, 722C, 729, 733
			VENTRAL-THORACIC-LEFT	
			WEEK 86	596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C 673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C, 729C, 733C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92718	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22
C92719	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C92720	D	83	SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL-RIGHT	575-576
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519
			MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 76	526C, 533C, 540C, 547C, 554C, 561C, 568C, 575-576C
C92721	M	80	APPEARANCE	
			MALOCCLUSION	29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113, 120, 127 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491 498, 505, 512, 519, 526, 533, 540, 547, 554-555, 557
			MISSING	
			TEETH	218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92721	M	80	APPEARANCE	
			MISSING	
			TEETH	400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484 491, 498, 505, 512, 519, 526, 533, 540, 547, 554-555, 557
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	557
			SENSITIVE TO TOUCH	557
			EXCRETION	
			FEW FECES	555, 557
			NONFORMED FECES	557
			EYES	
			SQUINTED	
			PERI-ORBITAL-RIGHT	557
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	557
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92722	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C92723	M	79	BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	552
			EXCRETION	
			FEW FECES	551-552
			EYES	
			RED DISCHARGE	
			EYES	552
			SQUINTED	
			PERI-ORBITAL-RIGHT	552
			SKIN & PELAGE	
			RED HAIR COAT	
			VENTRAL-ABDOMINAL	552
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92724	T	105	SKIN & PELAGE	
			SORE/SCAB	
			DORSAL	596, 603, 610, 617, 624, 631, 638, 645, 652, 659
			VENTRAL-ABDOMINAL	610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 694 701, 708, 715, 722, 729, 731
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498
			MASS(ES)	
			DORSAL	
			WEEK 74	512, 519, 526, 533, 540, 547C, 554C, 561C, 568C, 575C, 582C 589C, 596C, 603C, 610C, 617C, 624C
			INGUINAL REGION-RIGHT	
			WEEK 86	596C, 603C, 610C, 617C, 624C
			VENTRAL-ABDOMINAL	
			WEEK 73	505, 512, 519, 526, 533, 540C, 547C, 554C, 561C, 568C, 575C 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C, 729C 731C
			WART LIKE LESION(S)	
			DORSAL	
			WEEK 96	666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 731

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92725	D	52	BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	363
			SENSITIVE TO TOUCH	363
			EXCRETION	
			FEW FECES	363
			EYES	
			RED DISCHARGE	
			EYES	363
			RESPIRATION	
			AUDIBLE	363
			LABORED	363
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-MAXILLARY-LEFT	363
			HEAD-MAXILLARY-RIGHT	363
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92726	T	105	APPEARANCE	
			SWOLLEN	
			PAW-HIND-RIGHT	659, 666, 673, 680
			EXCRETION	
			FEW FECES	624
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-LEFT	624
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 631, 638, 645, 652, 687 694, 701, 708, 715, 722, 729, 733
C92727	D	90	DISCHARGE	
			GENITAL	
			RED IN COLOR	64
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-LEFT	540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624 630
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 71, 78, 85, 92, 99, 106, 113

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92727	D	90	NORMAL	
			NO REMARKABLE OBSERVATIONS	120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505, 512, 519, 526, 533
C92728	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C92729	M	79	APPEARANCE	
			THIN	547, 549
			EXCRETION	
			FEW FECES	540, 547
			NO FECES	549
			EYES	
			RED DISCHARGE	
			EYE-RIGHT	540, 547
			EYES	549
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	505, 512, 519, 526, 533, 540, 547, 549
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92729	M	79	NORMAL	
			NO REMARKABLE OBSERVATIONS	477, 484, 491, 498
			MASS(ES)	
			INGUINAL REGION-LEFT	
			WEEK 77	533C, 540C, 547C, 549C
C92730	T	105	BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	729, 732
			EXCRETION	
			FEW FECES	715, 722
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708
			MASS(ES)	
			HEAD-MAXILLARY-LEFT	
			WEEK 105	729, 732

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92731	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22
C92732	D	83	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 578
C92733	M	89	APPEARANCE	
			THIN	589-590, 596, 603, 610, 614, 617
			EXCRETION	
			FEW FECES	590, 596
			NO FECES	614, 617
			SKIN & PELAGE	
			RED HAIR COAT	
			LATERAL-ABDOMINAL-RIGHT	617
			ROUGH HAIR COAT	617
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92734	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22
C92735	T	105	SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL	197
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 204, 211, 218 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673 680, 687, 694, 701, 708, 715, 722, 729, 731
			MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 27	183C, 190C
C92736	T	105	DISCHARGE	
			CLEAR ORAL	
			MILD	15
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92736	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 733
C92737	M	91	APPEARANCE	
			CONVULSIONS	637
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	637
			EXCRETION	
			FEW FECES	624, 631
			NO FECES	637
			RESPIRATION	
			IRREGULAR	637
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533
			MASS(ES)	
			DORSAL	
			WEEK 78	540, 547, 554C, 561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C 617C, 624C, 631C, 637C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92738	D	92	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 641
C92739	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 733
C92740	T	105	APPEARANCE	
			MALOCCLUSION	225, 232, 239, 246, 253, 575, 582, 589, 596, 603, 610, 617, 624 631, 638, 645, 652, 659
			SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL-RIGHT	666, 673, 680, 687, 694
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92740	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505 512, 519, 526, 533, 540, 547, 554, 561, 568, 701, 708, 715, 722 729, 733
			MASS(ES)	
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 93	645C, 652C, 659C
C92741	M	91	APPEARANCE	
			HUNCHED	633
			THIN	617, 624, 631, 633
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	624, 631, 633
			RECUMBENT	
			LATERAL	633
			COLD TO TOUCH	
			ENTIRE BODY	633
			EXCRETION	
			FEW FECES	624
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-LEFT	540, 547, 554, 561, 568
			PAWS-HIND	575, 582, 589, 596, 603, 610, 617, 624, 631, 633
			YELLOW HAIR COAT	617
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92741	M	91	NORMAL	
			NO REMARKABLE OBSERVATIONS	113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533
C92742	T	105	SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-RIGHT	610, 680, 687, 694, 701, 708, 715, 722, 729, 732
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 414, 421, 428, 435, 442 449
			MASS(ES)	
			DORSAL	
			WEEK 51	351C, 358C, 365C, 372C, 379C, 386C, 393C, 400C, 407C
			WART LIKE LESION(S)	
			DORSAL	
			WEEK 66	456, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533, 540 547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631 638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715, 722 729, 732

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92743	D	84	APPEARANCE	
			OBES	582, 587
			SWOLLEN	
			VENTRAL-ABDOMINAL	456
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 463, 470, 477 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568 575
C92744	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22
C92745	M	90	APPEARANCE	
			SWOLLEN	
			VENTRAL-ABDOMINAL	456
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	624
			EXCRETION	
			FEW FECES	596
			EYES	
			PALE	
			EYES	596, 603

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92745	M	90	SKIN & PELAGE	
			PALE	
			ENTIRE BODY	610, 617, 624
			SORE/SCAB	
			DORSAL	554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624
			PAWS-HIND	596, 603, 610, 617, 624
			VENTRAL-ABDOMINAL-LEFT	344
			VENTRAL-ABDOMINAL-RIGHT	561, 568
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414 421, 428, 435, 442, 449, 463, 470, 477
			MASS(ES)	
			DORSAL	
			WEEK 74	512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C
			INGUINAL REGION-RIGHT	
			WEEK 84	582, 589, 596C, 603C, 610C, 617C, 624C
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 46	316C, 323C, 330C, 337C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 70	484C, 491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92746	M	79	BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	551
			COLD TO TOUCH	
			ENTIRE BODY	551
			EXCRETION	
			NO FECES	551
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547
C92747	T	105	APPEARANCE	
			SWOLLEN	
			PAW-FRONT-RIGHT	659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 732
			PAW-HIND-RIGHT	603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687 694, 701, 708, 715, 722, 729, 732
			EYES	
			RED DISCHARGE	
			EYE-RIGHT	134, 141, 148, 155, 162, 169, 232, 239, 267, 274, 281, 288, 309 316, 323, 330, 337, 344, 358, 365, 372, 379, 386, 393, 400, 407 414, 435, 442, 449, 456, 463, 470, 519, 526, 533, 554, 561, 582 645, 652, 659, 680, 687, 722, 729, 732
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92747	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	113, 120, 127, 176, 183, 190, 197, 204, 211, 218, 225, 246, 253 260, 295, 302, 351, 421, 428, 477, 484, 491, 498, 505, 512, 540 547, 568, 575, 589, 596
C92748	T	105	SKIN & PELAGE	
			SORE/SCAB	
			LIMB-FRONT-RIGHT	372, 379, 386, 393, 400, 407, 414
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 491, 498, 505, 512, 519 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701 708, 715, 722, 729, 732
			MASS(ES)	
			LIMB-FRONT-RIGHT	
			WEEK 51	351, 358, 365
			WART LIKE LESION(S)	
			LIMB-FRONT-RIGHT	
			WEEK 61	421, 428, 435, 442, 449, 456, 463, 470, 477, 484

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92749	D	103	SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	435, 442
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 449, 456, 575, 582, 589, 596 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687 694, 701, 708, 715, 718
			WART LIKE LESION(S)	
			TAIL-MID	
			WEEK 67	463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547 554, 561, 568
C92750	T	105	SKIN & PELAGE	
			SORE/SCAB	
			HEAD-MAXILLARY-RIGHT	624
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 631, 638, 645, 652, 659, 666, 673 680, 687, 694, 701, 708, 715, 722, 729, 732

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER	GROUP: M4 DOSE: 5 PPM DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92750	T	105	MASS(ES)	
			HEAD-MAXILLARY-RIGHT	
			WEEK 88	610, 617

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD / QUALIFIER	FREE-TEXT COMMENT
C92693	M4	680	98	MASS(ES)	15 X 15MM
	TO	687	99	DORSAL	
				WEEK 98	
		694	100	MASS(ES)	20 X 15MM
	TO	708	102	DORSAL	
				WEEK 98	
		715	103	MASS(ES)	20 X 25MM
				DORSAL	
				WEEK 98	
		722	104	MASS(ES)	30 X30MM
				DORSAL	
				WEEK 98	
		729	105	MASS(ES)	40 X 40MM
	TO	733	105	DORSAL	
				WEEK 98	
		498	72	MASS(ES)	15 X 15MM
	TO	505	73	VENTRAL-ABDOMINAL	
				WEEK 72	
C92694	M4	442	64	MASS(ES)	10 X 10MM
	TO	456	66	MOUTH	
				WEEK 64	
		659	95	MASS(ES)	10 X 10MM
	TO	687	99	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 95	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92697	M4	400	58	MASS(ES)	15 X 15MM
	TO	465	67	DORSAL	
				WEEK 58	
C92698	M4	729	105	SKIN & PELAGE	BLACK HAIR COAT - PERINEAL
	TO	732	105	OTHER	
C92700	M4	680	98	MASS(ES)	10 X 10MM
	TO	722	104	AXILLARY REGION-LEFT	
				WEEK 98	
		729	105	MASS(ES)	15 X 15MM
	TO	733	105	AXILLARY REGION-LEFT	
				WEEK 98	
		400	58	MASS(ES)	30 X 20MM
				VENTRAL-ABDOMINAL-LEFT	
				WEEK 58	
C92701	M4	323	47	MASS(ES)	25 X 25MM
				LIMB-FRONT-RIGHT	
				WEEK 47	
		330	48	MASS(ES)	35 X 40MM
				LIMB-FRONT-RIGHT	
				WEEK 47	
		337	49	MASS(ES)	45 X 40 MM
				LIMB-FRONT-RIGHT	
				WEEK 47	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92701	M4	344	50	MASS(ES) LIMB-FRONT-RIGHT WEEK 47	65 X 60 MM
	TO	351	51		
		358	52	MASS(ES) LIMB-FRONT-RIGHT WEEK 47	65 X 75MM
		365	53	MASS(ES) LIMB-FRONT-RIGHT WEEK 47	70 X 80MM
	TO	365	53		
C92704	M4	659	95	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 90	10 X 10MM
	TO	673	97		
		680	98	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 90	15 X 15MM
	TO	722	104		
		729	105	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 90	20 X 20MM
	TO	732	105		
C92706	M4	568	82	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 82	10 X 10MM
		568	82	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 82	10 X 10MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD / QUALIFIER	FREE-TEXT COMMENT
C92706	M4	575	83	MASS(ES)	20 X 20MM
	TO	596	86	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 82	
C92710	M4	428	62	MASS(ES)	10 X 10MM
	TO	435	63	DORSAL	
				WEEK 54	
C92716	M4	575	83	MASS(ES)	10 X 10MM
	TO	582	84	MOUTH	
				WEEK 83	
C92717	M4	680	98	MASS(ES)	10 X 10MM
	TO	722	104	DORSAL	
				WEEK 98	
		596	86	MASS(ES)	10 X 10MM
	TO	617	89	VENTRAL-THORACIC-LEFT	
				WEEK 86	
		624	90	MASS(ES)	15 X 15MM
	TO	666	96	VENTRAL-THORACIC-LEFT	
				WEEK 86	
		673	97	MASS(ES)	20 X 20MM
				VENTRAL-THORACIC-LEFT	
				WEEK 86	
		680	98	MASS(ES)	25 X 25MM
	TO	694	100	VENTRAL-THORACIC-LEFT	
				WEEK 86	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92717	M4 TO	701 733	101 105	MASS(ES) VENTRAL-THORACIC-LEFT WEEK 86	30 X 30MM
C92720	M4	526	76	MASS(ES) VENTRAL-ABDOMINAL WEEK 76	10 X 10MM
		533	77	MASS(ES) VENTRAL-ABDOMINAL WEEK 76	30 X 30MM
		540	78	MASS(ES) VENTRAL-ABDOMINAL WEEK 76	40 X 40MM
		547	79	MASS(ES) VENTRAL-ABDOMINAL WEEK 76	60 X 60MM
		554	80	MASS(ES) VENTRAL-ABDOMINAL WEEK 76	80 X 60MM
		561	81	MASS(ES) VENTRAL-ABDOMINAL WEEK 76	110 X 110MM
		568	82	MASS(ES) VENTRAL-ABDOMINAL WEEK 76	120 X 110MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD / QUALIFIER	FREE-TEXT COMMENT
C92720	M4	575	83	MASS(ES)	140 X 130MM
	TO	576	83	VENTRAL-ABDOMINAL WEEK 76	
C92724	M4	547	79	MASS(ES)	10 X 10MM
	TO	554	80	DORSAL WEEK 74	
		561	81	MASS(ES)	20 X 20MM
	TO	603	87	DORSAL WEEK 74	
		610	88	MASS(ES)	10 X 10MM
	TO	624	90	DORSAL WEEK 74	
		596	86	MASS(ES)	10 X 10MM
	TO	603	87	INGUINAL REGION-RIGHT WEEK 86	
		610	88	MASS(ES)	15 X 15MM
	TO	624	90	INGUINAL REGION-RIGHT WEEK 86	
		540	78	MASS(ES)	10 X 10MM
	TO	568	82	VENTRAL-ABDOMINAL WEEK 73	
		575	83	MASS(ES)	20 X 20MM
	TO	589	85	VENTRAL-ABDOMINAL WEEK 73	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92724	M4	596	86	MASS(ES)	30 X 30MM
	TO	603	87	VENTRAL-ABDOMINAL	
				WEEK 73	
		610	88	MASS(ES)	15 X 15MM
	TO	659	95	VENTRAL-ABDOMINAL	
				WEEK 73	
		666	96	MASS(ES)	20 X 20MM
	TO	694	100	VENTRAL-ABDOMINAL	
				WEEK 73	
		701	101	MASS(ES)	10 X 10MM
	TO	731	105	VENTRAL-ABDOMINAL	
				WEEK 73	
C92729	M4	533	77	MASS(ES)	15 X 15MM
				INGUINAL REGION-LEFT	
				WEEK 77	
		540	78	MASS(ES)	20 X 20MM
	TO	549	79	INGUINAL REGION-LEFT	
				WEEK 77	
C92735	M4	183	27	MASS(ES)	10 X 10MM
	TO	190	28	VENTRAL-ABDOMINAL	
				WEEK 27	
C92737	M4	554	80	MASS(ES)	10 X 10MM
	TO	637	91	DORSAL	
				WEEK 78	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92740	M4	645	93	MASS(ES)	15 X 15MM
	TO	659	95	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 93	
C92742	M4	351	51	MASS(ES)	10 X 10MM
	TO	379	55	DORSAL	
				WEEK 51	
		386	56	MASS(ES)	15 X 15MM
	TO	407	59	DORSAL	
				WEEK 51	
C92745	M4	512	74	MASS(ES)	15 X 15MM
	TO	533	77	DORSAL	
				WEEK 74	
		540	78	MASS(ES)	20 X 20MM
	TO	547	79	DORSAL	
				WEEK 74	
		554	80	MASS(ES)	25 X 20MM
	TO	582	84	DORSAL	
				WEEK 74	
		596	86	MASS(ES)	10 X 10MM
	TO	624	90	INGUINAL REGION-RIGHT	
				WEEK 84	
		316	46	MASS(ES)	10 X 10MM
	TO	323	47	VENTRAL-ABDOMINAL-LEFT	
				WEEK 46	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92745	M4	330	48	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 46	15 X 15MM
		337	49	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 46	10 X 10MM
		484	70	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 70	10 X 10MM
		491 TO 533	71 77	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 70	20 X 20MM
		540	78	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 70	25 X 25MM
		547	79	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 70	30 X 30MM
		554	80	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 70	20 X 15MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92751	3	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365-366
C92752	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22
C92753	T	105	APPEARANCE	
			MALOCCLUSION	43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113, 120, 127, 134, 141 148, 155, 162, 169, 173, 176, 183, 190, 197, 204, 211, 218, 225 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680 687, 694, 701, 708, 715, 722, 729, 733
			MISSING	
			TEETH	589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673 680, 687, 694, 701, 708, 715, 722, 729, 733
			THIN	173, 176, 183
			DISCHARGE	
			GENITAL	
			RED IN COLOR	666, 680, 687
			EXCRETION	
			FEW FECES	173

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92753	T	105	SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL-RIGHT	631, 638, 645, 652
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36
			MASS(ES)	
			INGUINAL REGION-RIGHT	
			WEEK 90	624C
C92754	3	53	APPEARANCE	
			MALOCCLUSION	57, 64, 71, 78, 85, 92, 99, 106
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 113, 120, 127, 134, 141, 148, 155 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232, 239, 246 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323, 330, 337 344, 351, 358, 365-366
C92755	3	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365-366

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92756	M	88	BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	614
			EXCRETION	
			FEW FECES	590, 596, 610, 614
			SKIN & PELAGE	
			SORE/SCAB	
			DORSAL	582, 589-590, 596, 603, 610, 614
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575
			MASS(ES)	
			DORSAL	
			WEEK 84	582, 589-590, 596, 603, 610, 614
C92757	T	105	APPEARANCE	
			MALOCCLUSION	309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393 400, 407, 414, 421, 428, 435, 442, 463, 470, 477, 484, 491, 498 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680 687, 694, 701, 708, 715, 722, 729, 731

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92757	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 449, 456
			MASS(ES)	
			DORSAL	
			WEEK 98	680C, 687C, 694C, 701C, 708C, 715C, 722C, 729C, 731C
C92758	M	62	APPEARANCE	
			THIN	400, 407, 414, 421, 428
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	428
			EXCRETION	
			FEW FECES	393, 414, 421, 428
			SKIN & PELAGE	
			ROUGH HAIR COAT	414, 421, 428
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92759	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22
C92760	M	74	APPEARANCE	
			THIN	512
			EXCRETION	
			FEW FECES	503, 505, 512
			EYES	
			RED DISCHARGE	
			EYES	512
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498
C92761	T	105	APPEARANCE	
			MALOCCLUSION	596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680 687, 694, 701, 708
			EXCRETION	
			FEW FECES	596
			EYES	
			PROTRUDING	
			EYES	603, 610

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92761	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 715, 722, 729, 732
C92762	T	105	SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL	491, 498, 505
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 512 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 694 701, 708, 715, 722, 729, 731
			MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 68	470, 477, 484C, 491C, 498C, 505

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92763	M	94	APPEARANCE	
			OBES	596, 603, 610
			SWOLLEN	
			PAW-HIND-RIGHT	631
			PAWS-HIND	638, 645, 652-653
			EXCRETION	
			FEW FECES	652-653
			SKIN & PELAGE	
			BROWN HAIR COAT	
			PERINEAL AREA	653
			YELLOW HAIR COAT	638, 645, 652-653
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 617, 624
C92764	M	76	APPEARANCE	
			HUNCHED	530
			THIN	505, 512, 519, 526, 530
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	526, 530
			HYPOACTIVE	
			<UNSPECIFIED>	530

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92764	M	76	BEHAVIOR	
			COLD TO TOUCH	
			LIMBS-ALL	530
			TAIL	530
			EXCRETION	
			FEW FECES	512, 519, 526, 530
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498
C92765	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C92766	D	101	EYES	
			RED DISCHARGE	
			EYE-RIGHT	666
			SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL-LEFT	358
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 365, 372, 379, 386, 393, 400

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92766	D	101	NORMAL	
			NO REMARKABLE OBSERVATIONS	407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 673, 680
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 50	344, 351
			RECTUM	
			WEEK 99	687, 694, 701, 705
C92767	D	99	APPEARANCE	
			OBES	463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547 554, 561, 568, 575, 582, 589, 596, 603, 610, 638, 645, 652, 659 666, 673, 680, 687, 691
			EXCRETION	
			FEW FECES	673
			SKIN & PELAGE	
			SORE/SCAB	
			LATERAL-ABDOMINAL-LEFT	519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 691
			VENTRAL-ABDOMINAL-RIGHT	659, 666, 673, 680, 687, 691
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92768	M	95	SKIN & PELAGE	
			BLACK SKIN	
			DORSAL	660
			SORE/SCAB	
			VENTRAL-ABDOMINAL	540, 547
			VENTRAL-ABDOMINAL-RIGHT	631, 638, 645, 652, 659-660
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 554, 561, 568, 575, 582
			MASS(ES)	
			DORSAL	
			WEEK 85	589, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C 659-660C
			INGUINAL REGION-RIGHT	
			WEEK 90	624
			VENTRAL-ABDOMINAL	
			WEEK 77	533C
C92769	D	103	APPEARANCE	
			LIMITED USE	
			PAWS-ALL	715, 721
			SKIN & PELAGE	
			BLACK SKIN	
			VENTRAL-ABDOMINAL	624

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92769	D	103	SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL	631, 638
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 645, 652, 659, 666, 673, 680, 687, 694, 701 708
			MASS(ES)	
			INGUINAL REGION-LEFT	
			WEEK 86	596C, 603C, 610C
			INGUINAL REGION-RIGHT	
			WEEK 86	596C, 603C, 610C
			VENTRAL-ABDOMINAL	
			WEEK 89	617C, 624C
C92770	D	101	APPEARANCE	
			LIMITED USE	
			LIMBS-ALL	694, 701-702
			PAW-HIND-LEFT	539-540, 547, 554, 561, 568, 575, 582
			SWOLLEN	
			LIMBS-HIND	694, 701-702
			PAW-HIND-LEFT	539-540, 547, 554, 561, 568, 575, 582

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92770	D	101	BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	701-702
			SKIN & PELAGE	
			YELLOW HAIR COAT	701-702
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 589, 596, 603, 610 617, 624, 631, 638, 645, 652, 659, 666
			MASS(ES)	
			PAW-FRONT-LEFT	
			WEEK 97	673, 680, 687, 694, 701-702
C92771	M	81	BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	567
			EXCRETION	
			NO FECES	567
			EYES	
			RED DISCHARGE	
			EYES	561, 567

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92771	M	81	SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	561, 567
			VENTRAL-ABDOMINAL	561, 567
			ROUGH HAIR COAT	561, 567
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554
C92772	M	52	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 360
			SURGERY	
			PERFORMED BY	
			KATHY EWERS	359
			ANTIBIOTIC	
			ADMINISTERED	
			0.5 ML	359

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92773	D	105	APPEARANCE	
			SWOLLEN	
			PAW-HIND-RIGHT	428, 435, 442, 449, 456, 463
			VENTRAL-ABDOMINAL-LEFT	715, 722, 729, 731
			THIN	589, 596, 603, 610
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 470, 477, 484, 491, 498, 505, 512 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 617, 624, 631 638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708
C92774	T	105	SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL	617
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701 708, 715, 722, 729, 733
			MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 83	575, 582, 589, 596, 603, 610

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92775	T	105	APPEARANCE	
			MISSING	
			TEETH	344, 351
			EXCRETION	
			FEW FECES	729, 732
			SKIN & PELAGE	
			SORE/SCAB	
			DORSAL	722, 729, 732
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 358, 365, 372, 379, 386, 393 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484 491
			MASS(ES)	
			DORSAL	
			WEEK 72	498, 505, 512, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C 729C, 732C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92776	T	105	DISCHARGE	
			GENITAL	
			RED IN COLOR	78
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 85, 92, 99, 106, 113 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659 666, 673, 680, 687, 694, 701
			WART LIKE LESION(S)	
			MOUTH	
			WEEK 102	708, 715, 722, 729, 732
C92777	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C92778	3	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365-366
			SURGERY	
			PERFORMED BY	
			JOHN VAN BERKUM	359

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92778	3	53	ANTIBIOTIC	
			ADMINISTERED	
			0.5 ML	359-360
C92779	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22
C92780	T	105	APPEARANCE	
			HUNCHED	729, 733
			EXCRETION	
			FEW FECES	722, 729, 733
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715
C92781	M	77	APPEARANCE	
			THIN	498, 503, 505, 507, 512, 519, 526, 533, 535
			TREMORS	
			ENTIRE BODY	535
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	535

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92781	M	77	BEHAVIOR	
			COLD TO TOUCH	
			ENTIRE BODY	533, 535
			EXCRETION	
			FEW FECES	503, 505, 507, 512, 519, 526, 533, 535
			SKIN & PELAGE	
			PALE	
			ENTIRE BODY	519, 526, 533, 535
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491
C92782	T	105	APPEARANCE	
			OBES	596, 603, 610
			SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL-RIGHT	729, 732
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92782	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 617, 624, 631, 638, 645, 652, 659, 666, 673 680, 687, 694, 701, 708
			MASS(ES)	
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 103	715C, 722C, 729, 732
C92783	M	79	APPEARANCE	
			THIN	547
			BEHAVIOR	
			RECUMBENT	
			STERNAL	547
			COLD TO TOUCH	
			ENTIRE BODY	547
			EXCRETION	
			NO FECES	547
			EYES	
			RED DISCHARGE	
			EYE-RIGHT	512, 519, 526, 533, 540, 547
			RESPIRATION	
			AUDIBLE	547
			LABORED	547
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92783	M	79	NORMAL	
			NO REMARKABLE OBSERVATIONS	204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505
C92784	M	80	BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	556
			EXCRETION	
			FEW FECES	555-556
			NONFORMED FECES	555-556
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554
C92785	D	98	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 686

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92786	T	105	EXCRETION	
			NONFORMED FECES	729
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673 680, 687, 694, 701, 708, 715, 722, 731
			MASS(ES)	
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 44	302C, 309C, 316C
C92787	D	47	APPEARANCE	
			LIMITED USE	
			LIMB-HIND-LEFT	302, 309, 316
			LIMBS-HIND	323, 328
			SWOLLEN	
			LIMB-HIND-LEFT	309
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92788	T	105	APPEARANCE	
			MALOCCLUSION	106, 113
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 120 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666 673, 680, 687, 694, 701, 708, 715, 722, 729, 733
C92789	2	14	APPEARANCE	
			MALOCCLUSION	92-93
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85
C92790	3	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365-366

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92791	T	105	SKIN & PELAGE	
			SORE/SCAB	
			DORSAL	722, 729, 731
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638
			MASS(ES)	
			DORSAL	
			WEEK 93	645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C 722C, 729C, 731C
C92792	T	105	SKIN & PELAGE	
			SORE/SCAB	
			AXILLARY REGION-LEFT	729, 732
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92792	T	105	MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 101	701C, 708C, 715C, 722C, 729C, 732C
			VENTRAL-ABDOMINAL	
			WEEK 104	722, 729, 732
C92793	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22
C92794	D	58	APPEARANCE	
			THIN	400, 402
			EXCRETION	
			FEW FECES	393, 400, 402
			EYES	
			RED DISCHARGE	
			EYE-RIGHT	204, 211, 225, 232, 365, 372, 379, 386, 393, 400, 402
			SKIN & PELAGE	
			BROWN HAIR COAT	
			VENTRAL-ABDOMINAL	400, 402
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 218, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316 323, 330, 337, 344, 351, 358

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92795	3	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365-366
			SURGERY	
			PERFORMED BY	
			KATHY EWERS	359
			ANTIBIOTIC	
			ADMINISTERED	
			0.5 ML	359-360
C92796	3	53	SKIN & PELAGE	
			ROUGH HAIR COAT	239, 323, 330, 337, 344, 351, 358
			SORE/SCAB	
			LIMB-FRONT-RIGHT	92
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 99, 106, 113 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204 211, 218, 225, 232, 246, 253, 260, 267, 274, 281, 288, 295, 302 309, 316, 365-366
			SURGERY	
			PERFORMED BY	
			JOHN VAN BERKUM	359
			ANTIBIOTIC	
			ADMINISTERED	
			0.5 ML	359-360

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92797	M	94	APPEARANCE	
			LIMITED USE	
			LIMB-HIND-RIGHT	653
			MALOCCLUSION	596, 603, 610
			MISSING	
			TEETH	596
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554
			MASS(ES)	
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 81	561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C 638C, 645C, 652-653C
C92798	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22
C92799	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92800	T	105	DISCHARGE	
			GENITAL	
			RED IN COLOR	50
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 57, 64, 71, 78, 85, 92, 99, 106, 113 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 731
C92801	D	57	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 56	386C, 393C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 53	365C, 372C, 379C, 386C, 393C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92802	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 731
C92803	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 733
C92804	T	105	SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL	561
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 568, 575, 582 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92804	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	680, 687, 694, 701, 708, 715, 722, 729, 731
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 56	386C, 393C
C92805	M	72	APPEARANCE	
			THIN	498, 500
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	498, 500
			EYES	
			RED DISCHARGE	
			EYE-LEFT	500
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	484, 491, 498
			SORE/SCAB	
			PAW-HIND-LEFT	463, 470, 477, 484, 491, 498, 500
			VENTRAL-ABDOMINAL-LEFT	456, 463
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92805	M	72	MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 65	449
C92806	M	99	APPEARANCE	
			MALOCCLUSION	57, 64, 71, 78, 85, 92, 99, 106, 113, 120, 127, 134, 141, 148 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232, 239 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323, 330 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 691
			MISSING	
			TEETH	267, 274, 281, 288, 295, 302, 309, 316, 323, 330, 337, 344, 351 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442 449, 456, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624 631, 638, 645, 652, 659, 666, 673, 680, 687, 691
			THIN	687, 691
			EXCRETION	
			FEW FECES	680, 687
			NO FECES	691
			RESPIRATION	
			IRREGULAR	687, 691
			LABORED	680, 687, 691
			SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL-RIGHT	596, 680, 687, 691

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92806	M	99	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50
C92807	D	86	EXCRETION	
			FEW FECES	596-597
			SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL	295
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 302, 309, 316, 323 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589
			MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 39	267C, 274C, 281C, 288C
C92808	T	105	SKIN & PELAGE	
			SORE/SCAB	
			AXILLARY REGION-LEFT	729, 731
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92808	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	477, 484, 491, 498, 505, 512, 519
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 76	526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610 617, 624, 631, 638, 645, 652, 659, 666, 673, 680
			WEEK 103	715, 722, 729C, 731C
			INGUINAL REGION-LEFT	
			WEEK 98	680, 687, 694, 701, 708, 715, 722, 729C, 731C
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 98	680, 687, 694, 701, 708, 715, 722, 729, 731
C92809	T	105	SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL-RIGHT	484, 491, 498, 505, 610, 617
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 85	589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C, 729C, 733C
			INGUINAL REGION-LEFT	
			WEEK 86	596C, 603C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92809	T	105	MASS(ES)	
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 69	477C, 484C, 491C, 498C
C92810	M	97	APPEARANCE	
			THIN	659, 666, 673
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	673
			EXCRETION	
			FEW FECES	656, 659, 666, 673
			EYES	
			SQUINTED	
			PERI-ORBITAL	673
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92811	M	36	APPEARANCE	
			LIMITED USE	
			LIMBS-HIND	250
			EXCRETION	
			FEW FECES	250
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246
C92812	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C92813	M	100	APPEARANCE	
			THIN	694
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	694
			EXCRETION	
			FEW FECES	694
			EYES	
			SQUINTED	
			PERI-ORBITAL	694
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	576

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92813	M	100	SKIN & PELAGE	
			RED HAIR COAT	
			SHOULDER-RIGHT	576
			SORE/SCAB	
			DORSAL	638, 645, 652, 659, 666, 673, 680, 687, 694
			DORSAL-THORACIC-LEFT	631
			HEAD-ENTIRE	561, 568, 575-576
			PAW-HIND-RIGHT	638, 645, 652, 659, 666, 673, 680, 687, 694
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 582 589, 596
			MASS(ES)	
			DORSAL	
			WEEK 87	603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C, 673C 680C, 687C, 694C
			WEEK 99	687C
C92814	T	105	APPEARANCE	
			MALOCCLUSION	519, 526, 533, 540, 547, 554, 610, 638, 645, 652, 659, 715, 722 729, 733
			SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL-RIGHT	344

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92814	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 351, 358, 365, 372, 379, 386, 393, 400 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491 498, 505, 512, 561, 568, 575, 582, 589, 596, 603, 617, 624, 631 666, 673, 680, 687, 694, 701, 708
			MASS(ES)	
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 48	330, 337C
C92815	T	105	APPEARANCE	
			MALOCCLUSION	43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113, 120, 127, 134, 141 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687 694, 701, 708, 715, 722, 729, 732
			MISSING	
			TEETH	610, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715 722, 729, 732
			SKIN & PELAGE	
			SORE/SCAB	
			HEAD-MAXILLARY-LEFT	64, 71, 78, 85, 92, 99, 106, 113
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92816	D	64	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 446
C92817	3	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365-366
			SURGERY	
			PERFORMED BY	
			PATTIE MURPHY	359
			ANTIBIOTIC	
			ADMINISTERED	
			0.5 ML	359-360
C92818	T	105	APPEARANCE	
			SWOLLEN	
			PAW-HIND-RIGHT	680, 687, 694, 701, 708, 715, 722, 729, 732
			DISCHARGE	
			GENITAL	
			RED IN COLOR	176
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 183, 190, 197, 204

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92818	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 400, 407, 414 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 54	372, 379, 386, 393
C92819	D	104	SKIN & PELAGE	
			SORE/SCAB	
			DORSAL-CERVICAL-LEFT	267, 274, 281, 288, 295, 302, 309, 316, 323, 330, 337, 344, 351 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442 449, 456, 463, 680, 687, 694, 701, 708, 715, 722, 727
			DORSAL-THORACIC-LEFT	239, 246, 253, 260
			PAW-HIND-LEFT	666, 673, 680, 687, 694, 701, 708, 715, 722, 727
			VENTRAL-ABDOMINAL-LEFT	281, 288, 295
			VENTRAL-ABDOMINAL-RIGHT	141
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 148, 155, 162
			MASS(ES)	
			DORSAL-CERVICAL-LEFT	
			WEEK 25	169, 176, 183, 190C, 197C, 204C, 211C, 218C, 225C, 232C, 239C 246C, 253C, 260C, 267C, 274C, 281C, 288C, 295C, 302C, 309C, 316C 323C, 330C, 337C, 344C, 351C, 358C, 365C, 372C, 379C, 386C, 393C 400C, 407C, 414C, 421C, 428C, 435C, 442C, 449C, 456C, 463C, 470C 477C, 484C, 491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER (GROUP: M5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92819	D	104	MASS(ES)	
			DORSAL-CERVICAL-LEFT	
			WEEK 25	554C, 561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C 631C, 638C, 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C 708C, 715C, 722C, 727C
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 40	274C, 281C, 288C
C92820	3	53	APPEARANCE	
			MALOCCLUSION	71, 78, 85, 92, 99, 106, 113, 120, 127, 134, 141, 148, 155, 162 169, 176, 183, 190, 197, 204, 211, 218, 225, 232, 239, 246, 253 260, 267, 274, 281, 288, 295, 302, 309, 316, 323, 330, 337, 344 351, 358, 365-366
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD / QUALIFIER	FREE-TEXT COMMENT
C92753	M5	624	90	MASS(ES) INGUINAL REGION-RIGHT WEEK 90	10 X 10MM
C92757	M5 TO	680 731	98 105	MASS(ES) DORSAL WEEK 98	10 X 10MM
C92762	M5 TO	484 498	70 72	MASS(ES) VENTRAL-ABDOMINAL WEEK 68	10 X 10MM
C92768	M5	596	86	MASS(ES) DORSAL WEEK 85	10 X 10MM
		603	87	MASS(ES) DORSAL WEEK 85	15 X 15MM
		610	88	MASS(ES) DORSAL WEEK 85	30 X 30MM
		617	89	MASS(ES) DORSAL WEEK 85	40 X 40MM
		624	90	MASS(ES) DORSAL WEEK 85	60 X 60MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92768	M5	631	91	MASS(ES) DORSAL WEEK 85	80 X 70MM
		638 TO 652	92 94	MASS(ES) DORSAL WEEK 85	70 X 60MM
		659 TO 660	95 95	MASS(ES) DORSAL WEEK 85	80 X 100MM
		533	77	MASS(ES) VENTRAL-ABDOMINAL WEEK 77	10 X 10MM
C92769	M5	596 TO 610	86 88	MASS(ES) INGUINAL REGION-LEFT WEEK 86	10 X 10MM
		596 TO 610	86 88	MASS(ES) INGUINAL REGION-RIGHT WEEK 86	10 X 10MM
		617 TO 624	89 90	MASS(ES) VENTRAL-ABDOMINAL WEEK 89	20 X 20MM
C92775	M5	519 TO 554	75 80	MASS(ES) DORSAL WEEK 72	10 X 10MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92775	M5	561	81	MASS(ES)	20 X 20MM
	TO	582	84	DORSAL	
				WEEK 72	
		589	85	MASS(ES)	15 X 15MM
	TO	673	97	DORSAL	
				WEEK 72	
		680	98	MASS(ES)	20 X 20MM
	TO	715	103	DORSAL	
				WEEK 72	
		722	104	MASS(ES)	10 X 10MM
	TO	732	105	DORSAL	
				WEEK 72	
C92782	M5	715	103	MASS(ES)	10 X 10MM
	TO	722	104	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 103	
C92786	M5	302	44	MASS(ES)	10 X 15MM
	TO	316	46	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 44	
C92791	M5	645	93	MASS(ES)	10 X 10MM
	TO	673	97	DORSAL	
				WEEK 93	
		680	98	MASS(ES)	15 X 15MM
	TO	715	103	DORSAL	
				WEEK 93	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD / QUALIFIER	FREE-TEXT COMMENT
C92791	M5	722	104	MASS(ES)	20 X 20MM
	TO	731	105	DORSAL	
				WEEK 93	
C92792	M5	701	101	MASS(ES)	20 X 20MM
	TO	708	102	AXILLARY REGION-LEFT	
				WEEK 101	
		715	103	MASS(ES)	30 X 30MM
	TO	722	104	AXILLARY REGION-LEFT	
				WEEK 101	
		729	105	MASS(ES)	50 X 60 MM
	TO	732	105	AXILLARY REGION-LEFT	
				WEEK 101	
C92797	M5	561	81	MASS(ES)	40 X 40MM
	TO	582	84	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 81	
		589	85	MASS(ES)	40 X 50MM
				VENTRAL-ABDOMINAL-RIGHT	
				WEEK 81	
		596	86	MASS(ES)	60 X 60MM
	TO	603	87	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 81	
		610	88	MASS(ES)	70 X 60MM
				VENTRAL-ABDOMINAL-RIGHT	
				WEEK 81	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92797	M5	617	89	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 81	80 X 70MM
		624	90	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 81	100 X 80MM
		631	91	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 81	110 X 100MM
	TO	638	92		
		645	93	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 81	120 X 110MM
	TO	653	94		
C92801	M5	386	56	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 56	70 X 80MM
	TO	393	57		
		365	53	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 53	15 X 15MM
	TO	393	57		
C92804	M5	386	56	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 56	10 X 10MM
	TO	393	57		
C92807	M5	267	39	MASS(ES) VENTRAL-ABDOMINAL WEEK 39	10 X 10MM
	TO	274	40		

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92807	M5	281	41	MASS(ES)	15 X 15MM
	TO	288	42	VENTRAL-ABDOMINAL	
				WEEK 39	
C92808	M5	729	105	MASS(ES)	10 X 10 MM
	TO	731	105	AXILLARY REGION-LEFT	
				WEEK 103	
		729	105	MASS(ES)	10 X 10 MM
	TO	731	105	INGUINAL REGION-LEFT	
				WEEK 98	
C92809	M5	589	85	MASS(ES)	25 X 20MM
	TO	603	87	AXILLARY REGION-LEFT	
				WEEK 85	
		610	88	MASS(ES)	30 X 30MM
	TO	631	91	AXILLARY REGION-LEFT	
				WEEK 85	
		638	92	MASS(ES)	30 X 40MM
	TO	659	95	AXILLARY REGION-LEFT	
				WEEK 85	
		666	96	MASS(ES)	35 X 40MM
	TO	673	97	AXILLARY REGION-LEFT	
				WEEK 85	
		680	98	MASS(ES)	50 X 45MM
	TO	701	101	AXILLARY REGION-LEFT	
				WEEK 85	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92809	M5	708	102	MASS(ES) AXILLARY REGION-LEFT WEEK 85	50 X 50MM
		715	103	MASS(ES) AXILLARY REGION-LEFT WEEK 85	60 X 70MM
		722	104	MASS(ES) AXILLARY REGION-LEFT WEEK 85	70 X 60MM
		729 TO 733	105	MASS(ES) AXILLARY REGION-LEFT WEEK 85	70 X 80 MM
		596 TO 603	86 87	MASS(ES) INGUINAL REGION-LEFT WEEK 86	15 X 15MM
		477 TO 498	69 72	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 69	10 X 10MM
C92813	M5	603 TO 694	87 100	MASS(ES) DORSAL WEEK 87	10 X 10MM
		687	99	MASS(ES) DORSAL WEEK 99	15 X 15MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92814	M5	337	49	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 48	10 X 10MM
C92819	M5	190	28	MASS(ES) DORSAL-CERVICAL-LEFT WEEK 25	10 X 10MM
	TO	204	30		
		211	31	MASS(ES) DORSAL-CERVICAL-LEFT WEEK 25	20 X 20MM
	TO	295	43		
		302	44	MASS(ES) DORSAL-CERVICAL-LEFT WEEK 25	25 X 25MM
	TO	323	47		
		330	48	MASS(ES) DORSAL-CERVICAL-LEFT WEEK 25	25 X 20MM
	TO	365	53		
		372	54	MASS(ES) DORSAL-CERVICAL-LEFT WEEK 25	30 X 20MM
	TO	407	59		
		414	60	MASS(ES) DORSAL-CERVICAL-LEFT WEEK 25	30 X 30MM
	TO	442	64		
		449	65	MASS(ES) DORSAL-CERVICAL-LEFT WEEK 25	40 X 30MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92819	M5	456	66	MASS(ES)	30 X 30MM
		TO 470	68	DORSAL-CERVICAL-LEFT	
				WEEK 25	
		477	69	MASS(ES)	40 X 30MM
		TO 505	73	DORSAL-CERVICAL-LEFT	
				WEEK 25	
		512	74	MASS(ES)	50 X 40MM
		TO 533	77	DORSAL-CERVICAL-LEFT	
				WEEK 25	
		540	78	MASS(ES)	50 X 50MM
		TO 582	84	DORSAL-CERVICAL-LEFT	
				WEEK 25	
		589	85	MASS(ES)	70 X 60MM
		TO 610	88	DORSAL-CERVICAL-LEFT	
				WEEK 25	
		617	89	MASS(ES)	60 X 50MM
		TO 624	90	DORSAL-CERVICAL-LEFT	
				WEEK 25	
		631	91	MASS(ES)	75 X 55MM
		TO 638	92	DORSAL-CERVICAL-LEFT	
				WEEK 25	
		645	93	MASS(ES)	80 X 55MM
		TO 666	96	DORSAL-CERVICAL-LEFT	
				WEEK 25	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92819	M5	673	97	MASS(ES)	80 X 60MM
	TO	708	102	DORSAL-CERVICAL-LEFT	
				WEEK 25	
		715	103	MASS(ES)	60 X 50MM
	TO	727	104	DORSAL-CERVICAL-LEFT	
				WEEK 25	
		274	40	MASS(ES)	10 X 10MM
	TO	288	42	VENTRAL-ABDOMINAL-LEFT	
				WEEK 40	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

CATEGORY GROUP: M6 DOSE: 20 PPM

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	KEYWORD / QUALIFIER	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92821	U	106	APPEARANCE	
			MALOCCLUSION	162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232, 239, 246 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323, 330, 337 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512, 519 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701 708, 715, 722, 729, 736
			MISSING	
			TEETH	344, 351, 358, 365, 372, 379, 386, 393, 400, 617, 624, 631, 638 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729 736
			SWOLLEN	
			PAW-HIND-LEFT	729, 736
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-LEFT	547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631 638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715, 722 729, 736
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92822	M	81	APPEARANCE	
			HEAD TILT	
			LEFT	566
			THIN	554, 561, 566
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	561, 566
			HYPOACTIVE	
			<UNSPECIFIED>	554, 561, 566
			EXCRETION	
			FEW FECES	566
			SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL	456, 463, 470
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 477, 484, 491 498, 505, 512, 519, 526, 533, 540, 547
			SACRIFICE	
			SACRIFICE APPROVED BY	
			CERTIFIED TECHNICIAN	566

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92823	U	106	APPEARANCE	
			MALOCCLUSION	36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113, 120, 127, 134 141, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680 687, 694, 701, 708, 715, 722, 729, 736
			MISSING	
			TEETH	736
			SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL	435, 442, 533
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29
			MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 74	512C, 519C, 526C
C92824	D	95	APPEARANCE	
			THIN	535
			EXCRETION	
			FEW FECES	535
			LIQUID FECES	535
			NO FECES	582

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92824	D	95	RESPIRATION	
			AUDIBLE	582, 589, 596
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	535
			SORE/SCAB	
			PAW-HIND-LEFT	309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393 400, 407
			PAW-HIND-RIGHT	456, 463
			PAWS-HIND	470, 477, 484, 491, 498, 505
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 414, 421, 428, 435, 442, 449
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 66	456C, 463C, 470C, 477C, 484C, 491C, 498C, 505C, 512C, 519C, 526C 533C, 535C, 540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C, 596C 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C, 663C
C92825	D	94	APPEARANCE	
			SWOLLEN	
			LIMB-HIND-LEFT	428, 435, 442, 449, 456, 463
			PAW-HIND-LEFT	428, 435, 442, 449, 456, 463
			SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL-RIGHT	540, 547, 554

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92825	D	94	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 470, 477, 484, 491, 498, 505, 512 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645 652-653
			MASS(ES)	
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 75	519C, 526C, 533C, 540C, 547C
C92826	D	55	DISCHARGE	
			CLEAR ORAL	
			<UNSPECIFIED>	385
			RESPIRATION	
			AUDIBLE	385
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 45	309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 385

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92827	U	106	SKIN & PELAGE	
			SORE/SCAB	
			AXILLARY REGION-RIGHT	645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715, 722
			DORSAL	638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715, 722 729, 736
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596
			MASS(ES)	
			DORSAL	
			WEEK 92	638C, 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C 715C, 722C, 729C, 736C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 97	673C, 680C, 687C, 694C, 701C, 708C
			WART LIKE LESION(S)	
			AXILLARY REGION-RIGHT	
			WEEK 87	603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687 694, 701, 708, 715

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92828	D	83	APPEARANCE	
			MALOCCLUSION	470, 512
			SWOLLEN	
			TESTIS-LEFT	533, 540, 547, 554, 561, 568, 575, 578
			DISCHARGE	
			NASAL	
			RED IN COLOR	197
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 204 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 477, 484 491, 498, 505, 519, 526
C92829	U	106	APPEARANCE	
			SWOLLEN	
			PAW-HIND-LEFT	603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673
			PAW-HIND-RIGHT	575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 736
			SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL	736
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 302, 309 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92829	U	106	NORMAL	
			NO REMARKABLE OBSERVATIONS	407, 414, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512 519, 526, 533, 540, 547, 554, 561, 568
			MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 41	281C, 288C, 295C
			WART LIKE LESION(S)	
			TAIL	
			WEEK 61	421, 428, 435
C92830	M	99	APPEARANCE	
			MALOCCLUSION	134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673 680, 687, 690
			THIN	666, 673, 680, 687, 690
			BEHAVIOR	
			COLD TO TOUCH	
			ENTIRE BODY	690
			EXCRETION	
			FEW FECES	687, 690
			RESPIRATION	
			IRREGULAR	687, 690

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92830	M	99	SKIN & PELAGE	
			SORE/SCAB	
			EAR-RIGHT	358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442 449, 456, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624 631, 638, 645, 652, 659, 666, 673, 680, 687, 690
			OTHER	690C
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127
			MASS(ES)	
			EAR-RIGHT	
			WEEK 47	323, 330, 337, 344, 351, 358, 365, 372C, 379C, 386C, 393C, 400C 407C, 414C, 421C, 428C, 435C, 442C, 449C, 456C, 463C, 470C, 477C 484C, 491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C 561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C 638C, 645C, 652C, 659C, 666C, 673C, 680C, 687C, 690C
			WART LIKE LESION(S)	
			EAR-RIGHT	
			WEEK 41	281, 288
C92831	M	85	APPEARANCE	
			LIMITED USE	
			LIMBS-ALL	585, 589
			LIMBS-HIND	582
			MALOCCLUSION	211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92831	M	85	APPEARANCE	
			MALOCCLUSION	575, 582, 585, 589
			SWOLLEN	
			NOSE	92
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	589
			RECUMBENT	
			STERNAL	589
			COLD TO TOUCH	
			ENTIRE BODY	589
			EYES	
			RED DISCHARGE	
			EYE-RIGHT	92, 589
			SKIN & PELAGE	
			SORE/SCAB	
			MOUTH	92
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 99, 106, 113 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92832	D	69	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 480
C92833	U	106	APPEARANCE	
			OBES	477
			SWOLLEN	
			LIMB-HIND-RIGHT	622, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701 708, 715, 722, 729, 736
			PAW-HIND-RIGHT	680, 687, 694, 701, 708, 715, 722, 729, 736
			SKIN & PELAGE	
			RED SKIN	
			PAW-HIND-RIGHT	622
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568 575, 582, 589, 596, 603, 610, 617

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92834	U	106	SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	379
			SORE/SCAB	
			SHOULDER-RIGHT	407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582 589, 596, 603, 610, 617, 624, 631, 638, 645, 652
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372
			MASS(ES)	
			SHOULDER-RIGHT	
			WEEK 55	379, 386, 393, 400, 407C, 414C, 421C, 428C, 435C, 442C, 449C 456C, 463C, 470C, 477C, 484C, 491C, 498C, 505C, 512C, 519C, 526C 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C
			WART LIKE LESION(S)	
			SHOULDER-RIGHT	
			WEEK 95	659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 736
C92835	M	75	BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	522
			RECUMBENT	
			DORSAL	522
			COLD TO TOUCH	
			ENTIRE BODY	522

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92835	M	75	EXCRETION	
			FEW FECES	522
			EYES	
			RED DISCHARGE	
			EYE-RIGHT	246, 281
			EYES	522
			RESPIRATION	
			LABORED	522
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 253, 260, 267, 274, 288, 295, 302 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484 491, 498, 505, 512, 519
C92836	D	91	BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	631
			RESPIRATION	
			LABORED	631
			SKIN & PELAGE	
			PALE	
			ENTIRE BODY	631
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92836	D	91	NORMAL	
			NO REMARKABLE OBSERVATIONS	113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624
C92837	M	65	APPEARANCE	
			THIN	449
			EXCRETION	
			FEW FECES	445, 449
			SKIN & PELAGE	
			ROUGH HAIR COAT	445, 449
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442
C92838	M	65	EXCRETION	
			FEW FECES	449-450
			NONFORMED FECES	450
			SKIN & PELAGE	
			BROWN HAIR COAT	
			SCROTUM	450

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92838	M	65	SKIN & PELAGE	
			SORE/SCAB	
			DORSAL	365, 372, 379, 386
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 393, 400, 407 414, 421, 428, 435
			MASS(ES)	
			DORSAL	
			WEEK 53	365, 372, 379
			WART LIKE LESION(S)	
			DORSAL	
			WEEK 64	442, 449-450
C92839	D	89	APPEARANCE	
			OBES	477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610
			EYES	
			RED DISCHARGE	
			EYE-LEFT	575, 617, 623
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92839	D	89	NORMAL	
			NO REMARKABLE OBSERVATIONS	386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470
C92840	M	103	APPEARANCE	
			THIN	715
			DISCHARGE	
			NASAL	
			RED IN COLOR	708
			EXCRETION	
			FEW FECES	701, 708, 715
			SKIN & PELAGE	
			BROWN HAIR COAT	
			VENTRAL-ABDOMINAL	715
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92841	D	68	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 476
C92842	M	91	APPEARANCE	
			CONVULSIONS	633
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	633
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	633
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526
			MASS(ES)	
			HEAD-MAXILLARY-LEFT	
			WEEK 88	610, 617, 624

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92842	M	91	WART LIKE LESION(S)	
			DORSAL	
			WEEK 77	533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617 624, 631, 633
C92843	D	77	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 537
C92844	M	83	APPEARANCE	
			MALOCCLUSION	295, 428, 435, 442, 463, 470, 477
			THIN	579
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	579
			EXCRETION	
			FEW FECES	579
			EYES	
			RED DISCHARGE	
			EYE-RIGHT	579
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92844	M	83	NORMAL	
			NO REMARKABLE OBSERVATIONS	302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 449, 456, 484, 491, 498, 505, 512, 519 526, 533, 540, 547, 554, 561, 568, 575
C92845	M	95	APPEARANCE	
			HEAD TILT	
			RIGHT	663-664
			BEHAVIOR	
			RECUMBENT	
			LATERAL	664
			EXCRETION	
			FEW FECES	663
			NO FECES	664
			RESPIRATION	
			IRREGULAR	664
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92846	D	103	APPEARANCE	
			MALOCCLUSION	99, 106, 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183 190, 197, 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274 281, 288, 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456 463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715, 721
			EXCRETION	
			FEW FECES	603
			SKIN & PELAGE	
			SORE/SCAB	
			DORSAL-THORACIC-RIGHT	456, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533, 540 547
			VENTRAL-ABDOMINAL	393
			VENTRAL-ABDOMINAL-LEFT	659, 666, 673
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92
			MASS(ES)	
			DORSAL	
			WEEK 55	379, 386C, 393C, 400C, 407C, 414C, 421C, 428C, 435C, 442C, 449C
			DORSAL-CERVICAL-RIGHT	
			WEEK 69	477C, 484C, 491C, 498C, 505C, 512C, 519C, 526C, 533C
			INGUINAL REGION-LEFT	
			WEEK 91	631C, 638C, 645C, 652C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92846	D	103	WART LIKE LESION(S)	
			DORSAL	
			WEEK 80	554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715, 721
C92847	M	98	APPEARANCE	
			THIN	680
			EXCRETION	
			FEW FECES	673, 680
			EYES	
			RED DISCHARGE	
			EYE-LEFT	680
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-RIGHT	547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631 638, 645, 652, 659, 666, 673, 680
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

CATEGORY GROUP: M6 DOSE: 20 PPM

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	KEYWORD / QUALIFIER	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92848	U	106	APPEARANCE	
			LIMITED USE	
			PAW-HIND-LEFT	617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 736
			SWOLLEN	
			LIMB-HIND-LEFT	585, 589, 596, 603, 610
			PAW-HIND-LEFT	585, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 736
			THIN	729, 736
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582
C92849	M	70	APPEARANCE	
			MALOCCLUSION	484
			BEHAVIOR	
			HYPOACTIVE	
			MODERATE	484
			COLD TO TOUCH	
			LIMBS-ALL	470, 477, 484
			ENTIRE BODY	484
			EXCRETION	
			FEW FECES	470, 477, 484
			NO FECES	484

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92849	M	70	EYES	
			SQUINTED	
			PERI-ORBITAL	477, 484
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463
C92850	M	105	APPEARANCE	
			MALOCCLUSION	379, 386, 393, 400, 407, 414, 421, 428, 435, 442
			SWOLLEN	
			LIMB-HIND-RIGHT	659, 666, 673
			PAW-HIND-RIGHT	659, 666, 673
			THIN	722, 729-730
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	730
			RECUMBENT	
			LATERAL	730
			EXCRETION	
			NONFORMED FECES	344
			SKIN & PELAGE	
			PALE	
			ENTIRE BODY	722, 729-730

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92850	M	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 351, 358, 365, 372, 449, 456 463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638 645, 652, 680, 687, 694, 701, 708, 715
C92851	U	106	SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL	603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687 694, 701, 708
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568 575, 582, 589, 596
			MASS(ES)	
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 69	477
			WART LIKE LESION(S)	
			VENTRAL-ABDOMINAL	
			WEEK 102	708, 715, 722, 729, 736

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92852	M	68	APPEARANCE	
			HUNCHED	475
			THIN	474-475
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	475
			EXCRETION	
			FEW FECES	474-475
			RESPIRATION	
			IRREGULAR	475
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470
C92853	U	106	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 736

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92854	D	101	EXCRETION	
			NONFORMED FECES	113
			SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL-LEFT	617, 624, 631
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568 575, 596, 638, 645, 652, 659, 666, 673, 680, 694, 701, 705
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 84	582, 589
			WEEK 87	603, 610
			WART LIKE LESION(S)	
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 99	687

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92855	M	70	APPEARANCE	
			HUNCHED	484
			MALOCCLUSION	50, 57, 64, 71, 78, 85, 92, 99, 106, 113, 120, 127, 134, 141 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414 421, 428, 435, 442, 449, 456, 463, 470, 477, 484
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	484
			DISCHARGE	
			GENITAL	
			RED IN COLOR	176, 183
			SKIN & PELAGE	
			ROUGH HAIR COAT	463, 470, 477, 484
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43
			WART LIKE LESION(S)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 69	477, 484

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92856	U	106	APPEARANCE	
			BENT TAIL	43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113, 120, 127, 134, 141 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589 595-596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673 680, 687, 694, 701, 708, 715, 722, 729, 736
			SWOLLEN	
			PAW-HIND-RIGHT	595-596, 603, 610
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36
			MASS(ES)	
			INGUINAL REGION-LEFT	
			WEEK 99	687, 694, 701, 708, 715, 722, 729, 736
C92857	M	83	APPEARANCE	
			SWOLLEN	
			PAW-HIND-LEFT	400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	576
			RECUMBENT	
			STERNAL	576
			EXCRETION	
			FEW FECES	575
			NO FECES	576

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92857	M	83	EYES	
			RED DISCHARGE	
			EYES	576
			SQUINTED	
			PERI-ORBITAL	576
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547 554, 561, 568
C92858	M	97	APPEARANCE	
			THIN	673
			EXCRETION	
			FEW FECES	659, 666, 673
			RESPIRATION	
			AUDIBLE	673
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 540, 547, 554, 561, 568, 575, 582, 589, 596

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92858	M	97	MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 91	631C, 638C, 645C, 652C, 659C, 666C, 673C
			INGUINAL REGION-LEFT	
			WEEK 69	477, 484, 491, 498, 505, 512, 519, 526, 533
			WART LIKE LESION(S)	
			DORSAL	
			WEEK 76	526, 533
			WEEK 87	603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673
C92859	M	72	APPEARANCE	
			HEAD TILT	
			RIGHT	498, 500
			EXCRETION	
			NONFORMED FECES	393
			SKIN & PELAGE	
			ROUGH HAIR COAT	491, 498, 500
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: M6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92860	M	97	APPEARANCE	
			LIMITED USE	
			LIMBS-HIND	673, 678
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	678
			EXCRETION	
			FEW FECES	673, 678
			EYES	
			RED DISCHARGE	
			EYES	678
			SKIN & PELAGE	
			ROUGH HAIR COAT	678
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659
			WART LIKE LESION(S)	
			VENTRAL-THORACIC-LEFT	
			WEEK 96	666, 673, 678

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92823	M6	512	74	MASS(ES)	15 X 15MM
	TO	526	76	VENTRAL-ABDOMINAL	
				WEEK 74	
C92824	M6	456	66	MASS(ES)	15 X 15MM
				AXILLARY REGION-RIGHT	
				WEEK 66	
		463	67	MASS(ES)	25 X 15MM
	TO	470	68	AXILLARY REGION-RIGHT	
				WEEK 66	
		477	69	MASS(ES)	30 X 25MM
	TO	491	71	AXILLARY REGION-RIGHT	
				WEEK 66	
		498	72	MASS(ES)	35 X 30MM
	TO	519	75	AXILLARY REGION-RIGHT	
				WEEK 66	
		526	76	MASS(ES)	40 X 35MM
	TO	535	77	AXILLARY REGION-RIGHT	
				WEEK 66	
		540	78	MASS(ES)	50 X 50MM
	TO	547	79	AXILLARY REGION-RIGHT	
				WEEK 66	
		554	80	MASS(ES)	45 X 40MM
	TO	582	84	AXILLARY REGION-RIGHT	
				WEEK 66	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92824	M6	589	85	MASS(ES)	45 X 60MM
	TO	624	90	AXILLARY REGION-RIGHT	
				WEEK 66	
		631	91	MASS(ES)	50 X 60MM
	TO	652	94	AXILLARY REGION-RIGHT	
				WEEK 66	
		659	95	MASS(ES)	50 X 70MM
	TO	663	95	AXILLARY REGION-RIGHT	
				WEEK 66	
C92825	M6	519	75	MASS(ES)	10 X 10MM
				VENTRAL-ABDOMINAL-RIGHT	
				WEEK 75	
		526	76	MASS(ES)	15 X 15MM
	TO	547	79	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 75	
C92827	M6	638	92	MASS(ES)	10 X 10MM
	TO	673	97	DORSAL	
				WEEK 92	
		680	98	MASS(ES)	15 X 10MM
	TO	715	103	DORSAL	
				WEEK 92	
		722	104	MASS(ES)	10 X 10MM
	TO	736	106	DORSAL	
				WEEK 92	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92827	M6	673	97	MASS(ES)	10 X 10MM
	TO	708	102	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 97	
C92829	M6	281	41	MASS(ES)	20 X 20MM
				VENTRAL-ABDOMINAL	
				WEEK 41	
		288	42	MASS(ES)	10 X 10MM
	TO	295	43	VENTRAL-ABDOMINAL	
				WEEK 41	
C92830	M6	690	99	SKIN & PELAGE	COLD TO TOUCH
				OTHER	
		372	54	MASS(ES)	10 X 10MM
	TO	379	55	EAR-RIGHT	
				WEEK 47	
		386	56	MASS(ES)	10 X 15MM
	TO	610	88	EAR-RIGHT	
				WEEK 47	
		617	89	MASS(ES)	20 X 20MM
	TO	659	95	EAR-RIGHT	
				WEEK 47	
		666	96	MASS(ES)	30 X 20MM
	TO	690	99	EAR-RIGHT	
				WEEK 47	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92834	M6	407	59	MASS(ES)	10 X 10MM
	TO	491	71	SHOULDER-RIGHT	
				WEEK 55	
		498	72	MASS(ES)	15 X 10MM
	TO	568	82	SHOULDER-RIGHT	
				WEEK 55	
		575	83	MASS(ES)	20 X 10MM
	TO	582	84	SHOULDER-RIGHT	
				WEEK 55	
C92846	M6	386	56	MASS(ES)	15 X 10MM
	TO	449	65	DORSAL	
				WEEK 55	
		477	69	MASS(ES)	10 X 10MM
	TO	505	73	DORSAL-CERVICAL-RIGHT	
				WEEK 69	
		512	74	MASS(ES)	15 X 15MM
	TO	533	77	DORSAL-CERVICAL-RIGHT	
				WEEK 69	
		631	91	MASS(ES)	15 X 15MM
	TO	638	92	INGUINAL REGION-LEFT	
				WEEK 91	
		645	93	MASS(ES)	20 X 20MM
	TO	652	94	INGUINAL REGION-LEFT	
				WEEK 91	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92858	M6	631	91	MASS(ES)	10 X 10MM
	TO	645	93	AXILLARY REGION-RIGHT	
				WEEK 91	
		652	94	MASS(ES)	15 X 15MM
	TO	666	96	AXILLARY REGION-RIGHT	
				WEEK 91	
		673	97	MASS(ES)	15 X 20MM
	TO	673	97	AXILLARY REGION-RIGHT	
				WEEK 91	

COVANCE
THE DEVELOPMENT SERVICES COMPANY

Sponsor:

3M
St. Paul, Minnesota

FINAL REPORT

Study Title:

104-Week Dietary Chronic Toxicity and Carcinogenicity Study with Perfluorooctane Sulfonic Acid Potassium Salt (PFOS; T-6295) in Rats

Author:

Peter J. Thomford, PhD

Study Completion Date:

January 2, 2002

Testing Facility:

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

Laboratory Study Identification:

Covance 6329-183

Sponsor Study Identification:

3M T-6295

CONTENTS

VOLUME III OF IX **Page**

APPENDIX 2 (Continued) 809
Individual Clinical Observations 810

APPENDIX 2 (Continued)

Individual Clinical Observations

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92861	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22
C92862	3	53	APPEARANCE	
			MALOCCLUSION	134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218 225, 232, 239, 246, 253, 260, 267, 274, 316, 330, 337, 344, 351 358, 365-366
			EXCRETION	
			NONFORMED FECES	274
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 281, 288, 295, 302, 309, 323
C92863	M	83	APPEARANCE	
			MISSING	
			TAIL-DISTAL	575
			SKIN & PELAGE	
			BLACK SKIN	
			TAIL	575
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92864	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22
C92865	D	65	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 337, 344 351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435 442, 449
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 46	316, 323, 330
			VENTRAL-ABDOMINAL	
			WEEK 41	281C, 288C, 295C, 302C, 309C, 316C, 323C
			VENTRAL-CERVICAL-LEFT	
			WEEK 47	323, 330
C92866	T	105	APPEARANCE	
			LIMITED USE	
			LIMB-HIND-LEFT	239, 246
			SWOLLEN	
			PAW-HIND-LEFT	239, 246
			EXCRETION	
			FEW FECES	715, 717, 722, 729, 733
			NO FECES	691
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	715, 717, 722

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92866	T	105	SKIN & PELAGE	
			SORE/SCAB	
			MOUTH	8
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204 211, 218, 225, 232, 253, 260, 267, 274, 281, 288, 295, 302, 309 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673 680, 687, 694, 701, 708
C92867	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715
			MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 104	722C, 729C, 732C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92868	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 731
C92869	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 732
C92870	M	105	APPEARANCE	
			HEAD TILT	
			LEFT	729
			MALOCCLUSION	246, 253, 260, 267, 645, 652, 722, 729
			SWOLLEN	
			LIMB-HIND-LEFT	645
			PAW-HIND-RIGHT	673
			THIN	729
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	729

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92870	M	105	BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	729
			RECUMBENT	
			LATERAL	729
			EXCRETION	
			FEW FECES	717, 722, 729
			EYES	
			RED DISCHARGE	
			EYE-RIGHT	717
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 274, 281, 288, 295, 302, 309, 316 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589 596, 603, 610, 617, 624, 631, 638, 659, 666, 680
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 99	687, 694, 701, 708, 715, 717, 722, 729
			INGUINAL REGION-LEFT	
			WEEK 105	729

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92871	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519
			MASS(ES)	
			INGUINAL REGION-LEFT	
			WEEK 94	652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C 729C, 731C
			VENTRAL-ABDOMINAL	
			WEEK 84	582
			VENTRAL-THORACIC-LEFT	
			WEEK 76	526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C, 596C 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C, 673C 680C, 687C, 694C, 701C, 708C, 715C, 722C, 729C, 731C
C92872	M	89	SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL-LEFT	617-618
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274
			MASS(ES)	
			INGUINAL REGION-LEFT	
			WEEK 83	575, 582, 589, 596C, 603C, 610C, 617-618C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92872	M	89	MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 41	281, 288, 295, 302, 309, 316, 323C, 330C, 337C, 344C, 351C, 358C 365C, 372C, 379C, 386C, 393C, 400C, 407C, 414C, 421C, 428C, 435C 442C, 449C, 456C, 463C, 470C, 477C, 484C, 491C, 498C, 505C, 512C 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C 596C, 603C, 610C, 617-618C
C92873	T	105	SKIN & PELAGE	
			ALOPECIA	330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414 421, 428, 435, 442, 449, 456, 463, 470, 554, 561, 568, 575, 582 589, 596, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680 687, 694, 701, 708, 715, 722, 729, 733
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 477, 484, 491, 498, 505, 512, 519, 533 540, 603
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 76	526
			WEEK 79	547C, 554C, 561C, 568C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92874	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638
			MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 93	645, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C 722C, 729C, 731C
C92875	M	79	APPEARANCE	
			MALOCCLUSION	421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505 512, 519, 526, 533, 540, 547, 553
			THIN	553
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	553
			DISCHARGE	
			NASAL	
			RED IN COLOR	553
			EXCRETION	
			FEW FECES	547, 553

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92875	M	79	SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	505, 519, 526, 533, 540, 547, 553
			YELLOW HAIR COAT	553
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414
C92876	3	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358
			MASS(ES)	
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 53	365-366C
			SURGERY	
			PERFORMED BY	
			PATTIE MURPHY	359
			ANTIBIOTIC	
			ADMINISTERED	
			0.5 ML	359-360

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92877	T	105	APPEARANCE	
			MALOCCLUSION	99
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 106, 113 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 732
C92878	M	81	APPEARANCE	
			MALOCCLUSION	169, 176, 183, 190, 197, 204, 211, 218, 225, 232, 239, 246, 253 260, 267, 274, 281, 288, 295, 302, 309, 316, 323, 330, 337, 344 351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435 442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526 533, 540, 547, 554, 561-562
			THIN	519, 526, 562
			EYES	
			DISCOLORED/LIGHT RED	
			EYE-LEFT	526
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 60	414C, 421C, 428C, 435C, 442C, 449C, 456C, 463C, 470C, 477C, 484C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92878	M	81	MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 60	491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C 561-562C
			VENTRAL-THORACIC	
			WEEK 45	309C, 316C, 323C, 330C, 337C, 344C, 351C, 358C, 365C, 372C, 379C 386C, 393C, 400C, 407C, 414C, 421C, 428C, 435C, 442C, 449C, 456C 463C, 470C, 477C, 484C, 491C, 498C, 505C, 512C, 519C, 526C, 533C 540C, 547C, 554C, 561-562C
C92879	M	93	APPEARANCE	
			HEAD TILT	
			LEFT	645
			HUNCHED	603, 610
			THIN	596, 603, 610, 617, 624, 631, 638, 645
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	638, 645
			EYES	
			RED DISCHARGE	
			EYES	610
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92879	M	93	MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 69	477C, 484C, 491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C 554C, 561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C 631C, 638C, 645C
			INGUINAL REGION-LEFT	
			WEEK 65	449C, 456C, 463C, 470C, 477C, 484C, 491C, 498C, 505C, 512C, 519C 526C, 533C, 540C, 547C, 554C, 561, 568
			INGUINAL REGION-RIGHT	
			WEEK 50	344C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 65	449, 456, 463, 470, 477C, 484C, 491C
			RECTUM	
			WEEK 92	638C, 645C
C92880	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C92881	T	105	APPEARANCE	
			MALOCCLUSION	134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673 680, 687, 694, 701, 708, 715, 722, 729, 733
			MISSING	
			TEETH	596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680 687, 694, 701, 708, 715, 722, 729, 733
			SWOLLEN	
			DIGIT(S)-HIND-LEFT	722

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92881	T	105	EXCRETION	
			FEW FECES	526
			EYES	
			DISCOLORED/LIGHT RED	
			EYE-RIGHT	414
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 96	666, 673, 680, 687, 694, 701
			INGUINAL REGION-LEFT	
			WEEK 99	687C, 694C, 701C, 708C, 715C, 722C, 729C, 733C
C92882	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 69	477C, 484C, 491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C 554C, 561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C 631C, 638C, 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C 708C, 715C, 722C, 729C, 733C
			AXILLARY REGION-RIGHT	
			WEEK 100	694C, 701C, 708C, 715C, 722C, 729C, 733C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92883	M	87	APPEARANCE	
			MALOCCLUSION	64, 71, 78, 85, 92, 99, 106, 113, 120, 127, 134, 141, 148, 155 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232, 239, 246 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323, 330, 337 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512, 519 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603-604
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	603-604
			DISCHARGE	
			NASAL	
			RED IN COLOR	64
			EXCRETION	
			NO FECES	604
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 81	561, 568
			INGUINAL REGION-RIGHT	
			WEEK 75	519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C 596C, 603-604C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92884	M	96	APPEARANCE	
			CONVULSIONS	652
			THIN	624, 631, 638, 645, 652, 659, 666
			EXCRETION	
			FEW FECES	624, 631
			EYES	
			PROTRUDING	
			EYES	519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 652, 659, 666
			SKIN & PELAGE	
			PALE	
			ENTIRE BODY	666
			SORE/SCAB	
			AXILLARY REGION-RIGHT	666
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 73	505C
			WEEK 89	617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C
			AXILLARY REGION-RIGHT	
			WEEK 85	589C, 596C
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 79	547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617C, 624C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92884	M	96	MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 79	631C, 638C, 645C, 652C, 659C, 666C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 65	449C, 456C, 463C, 470C, 477C, 484C, 491C, 498C, 505C, 512C, 519C 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C, 596C 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C
			WEEK 74	512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C 666C
C92885	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 120, 127 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673 680
			MASS(ES)	
			INGUINAL REGION-LEFT	
			WEEK 99	687, 694, 701, 708C, 715C, 722C, 729C, 733C
			VENTRAL-ABDOMINAL	
			WEEK 15	99, 106, 113

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

CATEGORY GROUP: F1 DOSE: 0 PPM

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	KEYWORD / QUALIFIER	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92886	M	81	APPEARANCE	
			SWOLLEN	
			VENTRAL-ABDOMINAL	554, 561
			THIN	561
			EYES	
			DISCOLORED/LIGHT RED	
			EYES	554, 561
			RED DISCHARGE	
			EYE-RIGHT	526
			SKIN & PELAGE	
			BLUE SKIN	
			VENTRAL-ABDOMINAL	561
			SORE/SCAB	
			AXILLARY REGION-LEFT	477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 59	407, 414, 421C, 428C, 435C, 442C, 449C, 456C, 463C, 470C, 477C 484C, 491C, 498C, 505C, 512C, 519C, 526C, 533C
			INGUINAL REGION-RIGHT	
			WEEK 59	407C, 414C, 421C, 428C, 435C, 442C, 449C, 456C, 463C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92887	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C92888	M	79	APPEARANCE	
			HEAD TILT	
			RIGHT	551, 553
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	553
			EXCRETION	
			FEW FECES	553
			EYES	
			RED DISCHARGE	
			EYE-RIGHT	519, 526, 533, 540, 547, 551, 553
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92889	3	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365-366
			SURGERY	
			PERFORMED BY	
			PATTIE MURPHY	359
			ANTIBIOTIC	
			ADMINISTERED	
			0.5 ML	359-360
C92890	T	105	APPEARANCE	
			MALOCCLUSION	638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715, 722 729, 733
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92891	M	85	APPEARANCE	
			HEAD TILT	
			LEFT	582, 589, 591
			THIN	591
			BEHAVIOR	
			RECUMBENT	
			LATERAL	591
			EXCRETION	
			FEW FECES	591
			RESPIRATION	
			AUDIBLE	591
			IRREGULAR	591
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92892	T	105	APPEARANCE	
			OBES	680, 687, 694, 701, 708, 715, 722, 729, 732
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673
C92893	M	88	APPEARANCE	
			HUNCHED	610
			MALOCCLUSION	274, 281, 288, 295, 302, 309, 316, 323, 330, 337, 344, 351, 358 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442, 449 456, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533, 540 547, 554, 561, 568, 575, 582, 589, 596, 603, 610
			THIN	337, 344, 351, 358
			BEHAVIOR	
			SENSITIVE TO TOUCH	337
			SKIN & PELAGE	
			ALOPECIA	365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442, 449 456, 463
			ROUGH HAIR COAT	393, 400, 407, 470, 477, 484, 491, 498, 505, 512, 519, 526, 554
			SORE/SCAB	
			VENTRAL-THORACIC-LEFT	603, 610

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92893	M	88	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 74	512, 519C, 526C, 533C, 540C, 547, 554, 561C, 568C, 575C, 582C 589C, 596C, 603C, 610C
			INGUINAL REGION-RIGHT	
			WEEK 76	526C, 533C, 540C, 547C, 554C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 76	526C, 533C, 540C, 547C, 554C, 561C, 568C
			VENTRAL-THORACIC-LEFT	
			WEEK 74	512, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C 589C, 596C, 603C, 610C
			RECTUM	
			WEEK 61	421C, 428C, 435C, 442C, 449C, 456C, 463C
C92894	3	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365-366

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92895	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 87	603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C, 673C 680C, 687C, 694C, 701C, 708C, 715C, 722C, 729C, 732C
C92896	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505, 512, 519
			MASS(ES)	
			INGUINAL REGION-RIGHT	
			WEEK 76	526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C, 596C 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C, 673C 680C, 687C, 694C, 701C, 708C, 715C, 722C, 729C, 731C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 97	673C, 680C, 687C, 694C, 701C, 708C, 715C
			VENTRAL-THORACIC	
			WEEK 104	722, 729, 731

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92896	T	105	WART LIKE LESION(S)	
			MOUTH	
			WEEK 46	316
C92897	T	105	APPEARANCE	
			THIN	722, 729-731
			EXCRETION	
			FEW FECES	730-731
			EYES	
			SQUINTED	
			PERI-ORBITAL	687, 730-731
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 694, 701, 708, 715
C92898	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92899	3	53	SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-LEFT	365-366
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358
			SURGERY	
			PERFORMED BY	
			JOHN VAN BERKUM	359
			ANTIBIOTIC	
			ADMINISTERED	
			0.5 ML	359-360
C92900	D	72	APPEARANCE	
			MALOCCLUSION	85, 92, 99, 106, 113, 120, 127, 134, 141, 148, 155, 162, 169 176, 183, 190, 197, 204, 211, 218, 225, 232, 239, 246, 253, 260 267, 274, 281, 288, 295, 302, 309, 316, 323, 330, 337, 344, 351 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442 449, 456, 463, 470, 477, 484, 491, 498, 504
			MISSING	
			TEETH	176, 183, 190, 197, 204, 211, 218, 225, 232, 239, 246, 253, 260 267, 274, 281, 288, 295, 302, 309, 316, 323, 330, 337, 344, 351 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 449 456, 463, 470, 477, 484, 491, 498, 504
			EXCRETION	
			NONFORMED FECES	225

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92900	D	72	EYES	
			CLEAR DISCHARGE	
			EYE-LEFT	393
			SKIN & PELAGE	
			YELLOW HAIR COAT	85
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78
C92901	M	79	APPEARANCE	
			HEAD TILT	
			LEFT	533, 540, 547, 551
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	551
			DISCHARGE	
			NASAL	
			RED IN COLOR	551
			EXCRETION	
			FEW FECES	526, 533, 540, 547, 551
			EYES	
			RED DISCHARGE	
			EYE-LEFT	547, 551
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	519, 526, 533, 540

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92901	M	79	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 414, 470, 477, 484, 491, 498, 505, 512
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 48	330
			AXILLARY REGION-RIGHT	
			WEEK 48	330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407
			VENTRAL-ABDOMINAL	
			WEEK 61	421, 428, 435, 442, 449, 456, 463
			RECTUM	
			WEEK 76	526C, 533C, 540C, 547C, 551C
C92902	D	89	APPEARANCE	
			OBES	526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 610, 617

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92903	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C92904	M	101	SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-CERVICAL-LEFT	610
			VENTRAL-THORACIC	638
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 69	477, 484C, 491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C 554C, 561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C 631C, 638C, 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C 701-702C
			INGUINAL REGION-RIGHT	
			WEEK 70	484C, 491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C 561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C 638C, 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701-702C
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 97	673C, 680C, 687C, 694C, 701-702C
			VENTRAL-CERVICAL-LEFT	
			WEEK 63	435, 442, 449C, 456C, 463C, 470C, 477C, 484C, 491C, 498C, 505C 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C 589C, 596C, 603, 610, 617, 624, 631, 638, 645

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92904	M	101	MASS(ES)	
			VENTRAL-THORACIC-LEFT	
			WEEK 73	505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C 659C, 666C, 673C, 680C, 687C, 694C, 701-702C
			WART LIKE LESION(S)	
			MOUTH	
			WEEK 89	617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 694 701-702
C92905	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C92906	T	105	APPEARANCE	
			MALOCCLUSION	631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715 722, 729, 731
			EYES	
			CLEAR DISCHARGE	
			EYE-RIGHT	519, 526
			RED DISCHARGE	
			EYES	610, 617
			SKIN & PELAGE	
			SORE/SCAB	
			MOUTH	631, 638, 645
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92906	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 498, 505, 512, 533 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 624
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 95	659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C, 729C 731C
			AXILLARY REGION-RIGHT	
			WEEK 70	484, 491
			WEEK 95	659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C, 729C 731C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 65	449, 456, 463, 470, 477, 484, 491
C92907	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 733

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92908	M	93	BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	631, 646
			HYPOACTIVE	
			<UNSPECIFIED>	631, 646
			RECUMBENT	
			LATERAL	646
			EXCRETION	
			FEW FECES	638, 645-646
			NO FECES	624, 631
			EYES	
			RED DISCHARGE	
			EYES	624, 631
			SKIN & PELAGE	
			BROWN HAIR COAT	
			PERINEAL AREA	624, 631
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533
			MASS(ES)	
			VENTRAL-CERVICAL	
			WEEK 78	540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C 617C, 624C, 631C, 638C, 645-646C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92909	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673
			MASS(ES)	
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 98	680C, 687C, 694C, 701C, 708C, 715C, 722C, 729C, 732C
C92910	3	53	APPEARANCE	
			MALOCCLUSION	108, 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190 197, 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281 288, 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365-366
			DISCHARGE	
			NASAL	
			RED IN COLOR	108, 113
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92911	T	105	APPEARANCE	
			MALOCCLUSION	582, 589, 596, 603, 631, 638, 645, 652, 673, 680, 687, 694, 715 722, 729, 732
			EYES	
			CLEAR DISCHARGE	
			EYE-LEFT	526
			SKIN & PELAGE	
			ROUGH HAIR COAT	239
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 246, 253, 260, 267, 274, 281, 288, 295 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 421, 428, 435, 442, 470, 547, 554, 561, 568, 575 610, 617, 624, 659, 666, 701, 708
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 69	477C, 484C, 491C, 498C, 505C, 512C, 519C, 526C, 533, 540
			AXILLARY REGION-RIGHT	
			WEEK 91	631, 638, 645
			VENTRAL-ABDOMINAL	
			WEEK 65	449, 456, 463
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 60	414

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92912	T	105	SKIN & PELAGE	
			BROWN HAIR COAT	
			PERINEAL AREA	645
			SORE/SCAB	
			VENTRAL-ABDOMINAL	722, 729, 732
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 80	554, 561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C 631C, 638C, 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C 708C, 715C, 722C, 729C, 732C
C92913	T	105	SKIN & PELAGE	
			BLACK SKIN	
			VENTRAL-ABDOMINAL	715, 722
			SORE/SCAB	
			VENTRAL-ABDOMINAL	729, 731
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92913	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624
			MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 91	631, 638, 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C 708C, 715C, 722C, 729C, 731C
C92914	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22
C92915	M	96	BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	670
			EXCRETION	
			FEW FECES	645, 659
			NO FECES	670
			EYES	
			RED DISCHARGE	
			EYES	670
			SKIN & PELAGE	
			SORE/SCAB	
			PAWS-HIND	652, 659, 666, 670
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92915	M	96	NORMAL	
			NO REMARKABLE OBSERVATIONS	295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 575, 582 589, 596, 603, 610, 617, 624, 631, 638
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 80	554, 561, 568
C92916	M	93	APPEARANCE	
			HEAD TILT	
			RIGHT	617, 624, 631, 638, 645, 649
			MALOCCLUSION	22
			EXCRETION	
			FEW FECES	624, 631, 638
			EYES	
			PROTRUDING	
			EYES	519, 526, 533
			SKIN & PELAGE	
			SORE/SCAB	
			DORSAL-THORACIC-RIGHT	519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603 610, 617, 624
			LATERAL-THORACIC-LEFT	526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596
			PAW-HIND-RIGHT	589, 596, 603, 610, 617, 624, 631, 638, 645, 649
			SHOULDER-LEFT	526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92916	M	93	NORMAL	
			NO REMARKABLE OBSERVATIONS	120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204 211, 218, 225, 232, 239, 246, 253
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 48	330
			WEEK 70	484, 491, 498, 505, 512, 519, 526C, 533C, 540C, 547C, 554C, 561C 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C 645C, 649C
			AXILLARY REGION-RIGHT	
			WEEK 46	316C, 323C, 330C, 337C, 344C, 351C, 358C, 365C, 372C, 379C, 386C 393C, 400C, 407C, 414C, 421C, 428C, 435C, 442C, 449C, 456C, 463C 470C, 477C, 484C, 491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C 547C, 554C, 561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C 624C, 631C, 638C, 645C, 649C
			INGUINAL REGION-LEFT	
			WEEK 84	582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 649C
			INGUINAL REGION-RIGHT	
			WEEK 75	519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 649C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 38	260, 267, 274, 281, 288, 295, 302, 309, 316
			WART LIKE LESION(S)	
			MOUTH	
			WEEK 75	519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603 610, 617, 624, 631, 638, 645, 649

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92917	3	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365-366
C92918	M	73	APPEARANCE	
			THIN	508
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	508
			EXCRETION	
			FEW FECES	504-505, 508
			EYES	
			RED DISCHARGE	
			EYES	504-505, 508
			SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL-RIGHT	379
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 197, 204, 211, 218, 225 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316 323, 330, 337, 344, 351, 358, 365, 372, 386, 393, 400, 407, 414 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92918	M	73	MASS(ES)	
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 25	169, 176, 183, 190
C92919	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22
C92920	M	72	APPEARANCE	
			HUNCHED	498
			EXCRETION	
			FEW FECES	489, 491
			NO FECES	498
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 288, 295, 302, 309, 316, 323, 330, 337, 344 351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435 442, 449, 456, 463, 470, 477, 484
			MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 36	246C, 253C, 260C, 267, 274, 281
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 34	232C, 239C, 246C, 253C, 260C, 267C, 274C, 281C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92921	M	57	APPEARANCE	
			THIN	372, 379, 386, 393
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	379, 386, 393
			EXCRETION	
			FEW FECES	337, 344, 351, 358, 365, 372, 379, 386, 393
			EYES	
			RED DISCHARGE	
			EYES	372, 379, 386, 393
			RESPIRATION	
			LABORED	393
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	365, 372, 379, 386, 393
			ROUGH HAIR COAT	365, 372, 379, 386, 393
			SORE/SCAB	
			AXILLARY REGION-LEFT	379, 386, 393
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 323

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92921	M	57	MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 48	330, 337C, 344C, 351C, 358C, 365C, 372C, 379C, 386C, 393C
			HEAD-MAXILLARY-RIGHT	
			WEEK 43	295, 302, 309, 316
			WART LIKE LESION(S)	
			MOUTH	
			WEEK 46	316
C92922	3	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365-366
C92923	3	53	SKIN & PELAGE	
			SORE/SCAB	
			DORSAL-THORACIC-RIGHT	365-366
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 351, 358
			MASS(ES)	
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 48	330, 337, 344

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92923	3	53	SURGERY	
			PERFORMED BY	
			PATTIE MURPHY	359
			ANTIBIOTIC	
			ADMINISTERED	
			0.5 ML	359-360
C92924	M	85	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498 505, 512, 519, 526, 533, 540, 547, 554, 561, 568
			MASS(ES)	
			LIMB-HIND-LEFT	
			WEEK 83	575C, 582C, 589C
			VENTRAL-ABDOMINAL	
			WEEK 30	204, 211, 218, 225
C92925	T	105	EYES	
			CLEAR DISCHARGE	
			EYE-RIGHT	526
			RED DISCHARGE	
			EYE-RIGHT	533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617 624, 631, 638, 645, 652, 659, 666, 673, 680, 687
			SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL	722, 729, 733

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92925	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 96	666
			WEEK 99	687C, 694C, 701C, 708C, 715C, 722C, 729C, 733C
			INGUINAL REGION-RIGHT	
			WEEK 84	582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C, 729C 733C
			VENTRAL-ABDOMINAL	
			WEEK 92	638, 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C 715C, 722C, 729C, 733C
C92926	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22
C92927	T	105	EYES	
			PROTRUDING	
			EYES	519, 526, 533
			SKIN & PELAGE	
			BLACK SKIN	
			VENTRAL-THORACIC	729, 731
			ROUGH HAIR COAT	554

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92927	T	105	SKIN & PELAGE	
			SORE/SCAB	
			DORSAL	631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708
			DORSAL-THORACIC	596
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 470, 477, 484, 491, 498, 505 512, 540, 547, 561
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 88	610, 617, 624, 631, 638C, 645C, 652C, 659C, 666C, 673C, 680C 687C, 694C, 701C, 708C, 715C, 722C, 729C, 731C
			INGUINAL REGION-LEFT	
			WEEK 105	729C, 731C
			INGUINAL REGION-RIGHT	
			WEEK 94	652, 659, 666, 673, 680C, 687C, 694C, 701C, 708C, 715C, 722C 729C, 731C
			VENTRAL-CERVICAL	
			WEEK 63	435C, 442C, 449C, 456C, 463C
			WEEK 82	568, 575, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C
			VENTRAL-THORACIC-RIGHT	
			WEEK 91	631C, 638C, 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C 708C, 715C, 722C, 729C, 731C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92928	M	83	BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	575
			HYPOACTIVE	
			<UNSPECIFIED>	575
			EXCRETION	
			FEW FECES	575
			NO FECES	572
			EYES	
			RED DISCHARGE	
			EYE-RIGHT	505, 512, 519, 533, 540, 547, 554, 561
			EYES	526, 568, 572, 575
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498
C92929	M	60	APPEARANCE	
			HEAD TILT	
			LEFT	344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414-415
			MALOCCLUSION	351, 358, 365, 372, 379, 386, 393, 400, 407, 414-415
			THIN	372, 379, 386, 393, 400, 407, 414-415
			BEHAVIOR	
			CIRCLING	
			RIGHT	358

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F1 DOSE: 0 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92929	M	60	EXCRETION	
			FEW FECES	337
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330
C92930	3	53	APPEARANCE	
			MALOCCLUSION	176, 183
			SKIN & PELAGE	
			SORE/SCAB	
			DORSAL-THORACIC-RIGHT	365-366
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 190, 197, 204, 211 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302 309, 316, 323, 330, 337, 344, 351, 358
			SURGERY	
			PERFORMED BY	
			JOHN VAN BERKUM	359
			ANTIBIOTIC	
			ADMINISTERED	
			0.5 ML	359-360

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92865	F1	281	41	MASS(ES)	15 X 15MM
	TO	323	47	VENTRAL-ABDOMINAL	
				WEEK 41	
C92867	F1	722	104	MASS(ES)	10 X 10MM
				VENTRAL-ABDOMINAL	
				WEEK 104	
		729	105	MASS(ES)	15 X 15MM
	TO	732	105	VENTRAL-ABDOMINAL	
				WEEK 104	
C92871	F1	652	94	MASS(ES)	40 X 40MM
	TO	680	98	INGUINAL REGION-LEFT	
				WEEK 94	
		687	99	MASS(ES)	50 X 40MM
	TO	694	100	INGUINAL REGION-LEFT	
				WEEK 94	
		701	101	MASS(ES)	40 X 40MM
	TO	715	103	INGUINAL REGION-LEFT	
				WEEK 94	
		722	104	MASS(ES)	50 X 50MM
	TO	731	105	INGUINAL REGION-LEFT	
				WEEK 94	
		526	76	MASS(ES)	25 X 20MM
	TO	540	78	VENTRAL-THORACIC-LEFT	
				WEEK 76	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92871	F1	547	79	MASS(ES)	30 X 40MM
	TO	582	84	VENTRAL-THORACIC-LEFT	
				WEEK 76	
		589	85	MASS(ES)	40 X 50MM
				VENTRAL-THORACIC-LEFT	
				WEEK 76	
		596	86	MASS(ES)	35 X 40MM
	TO	659	95	VENTRAL-THORACIC-LEFT	
				WEEK 76	
		666	96	MASS(ES)	45 X 50MM
				VENTRAL-THORACIC-LEFT	
				WEEK 76	
		673	97	MASS(ES)	50 X 50MM
				VENTRAL-THORACIC-LEFT	
				WEEK 76	
		680	98	MASS(ES)	60 X 50MM
	TO	694	100	VENTRAL-THORACIC-LEFT	
				WEEK 76	
		701	101	MASS(ES)	50 X 50MM
	TO	731	105	VENTRAL-THORACIC-LEFT	
				WEEK 76	
C92872	F1	596	86	MASS(ES)	10 X 10MM
	TO	610	88	INGUINAL REGION-LEFT	
				WEEK 83	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92872	F1	617	89	MASS(ES)	30 X 20MM
	TO	618	89	INGUINAL REGION-LEFT	
				WEEK 83	
		323	47	MASS(ES)	25 X 20MM
	TO	330	48	VENTRAL-ABDOMINAL	
				WEEK 41	
		337	49	MASS(ES)	30 X 25MM
				VENTRAL-ABDOMINAL	
				WEEK 41	
		344	50	MASS(ES)	30 X 25MM
				VENTRAL-ABDOMINAL	
				WEEK 41	
		351	51	MASS(ES)	30 X 30MM
				VENTRAL-ABDOMINAL	
				WEEK 41	
		358	52	MASS(ES)	35 X 30MM
				VENTRAL-ABDOMINAL	
				WEEK 41	
		365	53	MASS(ES)	40 X 35MM
	TO	393	57	VENTRAL-ABDOMINAL	
				WEEK 41	
		400	58	MASS(ES)	55 X 45MM
	TO	414	60	VENTRAL-ABDOMINAL	
				WEEK 41	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92872	F1	421	61	MASS(ES)	55 X 50MM
	TO	435	63	VENTRAL-ABDOMINAL	
				WEEK 41	
		442	64	MASS(ES)	55 X 60MM
				VENTRAL-ABDOMINAL	
				WEEK 41	
		449	65	MASS(ES)	70 X 65MM
	TO	470	68	VENTRAL-ABDOMINAL	
				WEEK 41	
		477	69	MASS(ES)	60 X 65MM
	TO	505	73	VENTRAL-ABDOMINAL	
				WEEK 41	
		512	74	MASS(ES)	80 X 70MM
	TO	540	78	VENTRAL-ABDOMINAL	
				WEEK 41	
		547	79	MASS(ES)	70 X 70MM
	TO	554	80	VENTRAL-ABDOMINAL	
				WEEK 41	
		561	81	MASS(ES)	80 X 70MM
	TO	618	89	VENTRAL-ABDOMINAL	
				WEEK 41	
C92873	F1	547	79	MASS(ES)	10 X 10MM
	TO	568	82	AXILLARY REGION-LEFT	
				WEEK 79	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92874	F1	652	94	MASS(ES)	10 X 10MM
	TO	659	95	VENTRAL-ABDOMINAL	
				WEEK 93	
		666	96	MASS(ES)	15 X 15MM
	TO	673	97	VENTRAL-ABDOMINAL	
				WEEK 93	
		680	98	MASS(ES)	20 X 20MM
	TO	701	101	VENTRAL-ABDOMINAL	
				WEEK 93	
		708	102	MASS(ES)	25 X 25MM
	TO	715	103	VENTRAL-ABDOMINAL	
				WEEK 93	
		722	104	MASS(ES)	40 X 30MM
	TO	731	105	VENTRAL-ABDOMINAL	
				WEEK 93	
C92876	F1	365	53	MASS(ES)	10 X 10MM
	TO	366	53	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 53	
C92878	F1	414	60	MASS(ES)	10 X 10MM
	TO	421	61	VENTRAL-ABDOMINAL-LEFT	
				WEEK 60	
		428	62	MASS(ES)	15 X 15MM
	TO	463	67	VENTRAL-ABDOMINAL-LEFT	
				WEEK 60	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD / QUALIFIER	FREE-TEXT COMMENT
C92878	F1	470	68	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 60	30 X 30MM
		477 TO 491	69 TO 71	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 60	20 X 20MM
		498 TO 505	72 TO 73	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 60	30 X 20MM
		512 TO 519	74 TO 75	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 60	35 X 30MM
		526 TO 554	76 TO 80	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 60	35 X 35MM
		561 TO 562	81 TO 81	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 60	35 X 35MM
		309	45	MASS(ES) VENTRAL-THORACIC WEEK 45	20 X 20MM
		316 TO 330	46 TO 48	MASS(ES) VENTRAL-THORACIC WEEK 45	30 X 30MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92878	F1	337	49	MASS(ES)	35 X 30MM
		TO 351	51	VENTRAL-THORACIC	
				WEEK 45	
		358	52	MASS(ES)	45 X 40MM
		TO 393	57	VENTRAL-THORACIC	
				WEEK 45	
		400	58	MASS(ES)	55 X 60MM
		TO 421	61	VENTRAL-THORACIC	
				WEEK 45	
		428	62	MASS(ES)	60 X 60MM
		TO 442	64	VENTRAL-THORACIC	
				WEEK 45	
		449	65	MASS(ES)	75 X 70MM
		TO 505	73	VENTRAL-THORACIC	
				WEEK 45	
		512	74	MASS(ES)	90 X 80MM
		TO 519	75	VENTRAL-THORACIC	
				WEEK 45	
		526	76	MASS(ES)	100 X 85MM
		TO 533	77	VENTRAL-THORACIC	
				WEEK 45	
		540	78	MASS(ES)	90 X 80MM
		TO 554	80	VENTRAL-THORACIC	
				WEEK 45	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92878	F1	561	81	MASS(ES)	100 X 100MM
	TO	562	81	VENTRAL-THORACIC	
				WEEK 45	
C92879	F1	477	69	MASS(ES)	10 X 10MM
	TO	505	73	AXILLARY REGION-LEFT	
				WEEK 69	
		512	74	MASS(ES)	15 X 15MM
	TO	596	86	AXILLARY REGION-LEFT	
				WEEK 69	
		603	87	MASS(ES)	10 X 10MM
	TO	645	93	AXILLARY REGION-LEFT	
				WEEK 69	
		449	65	MASS(ES)	10 X 10MM
	TO	505	73	INGUINAL REGION-LEFT	
				WEEK 65	
		512	74	MASS(ES)	15 X 15MM
	TO	554	80	INGUINAL REGION-LEFT	
				WEEK 65	
		344	50	MASS(ES)	10 X 10MM
				INGUINAL REGION-RIGHT	
				WEEK 50	
		477	69	MASS(ES)	10 X 10MM
	TO	491	71	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 65	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92879	F1	638	92	MASS(ES)	15 X 15MM
	TO	645	93	RECTUM	
				WEEK 92	
C92881	F1	687	99	MASS(ES)	10 X 10MM
	TO	722	104	INGUINAL REGION-LEFT	
				WEEK 99	
		729	105	MASS(ES)	20 X 20MM
	TO	733	105	INGUINAL REGION-LEFT	
				WEEK 99	
C92882	F1	477	69	MASS(ES)	20 X 20MM
				AXILLARY REGION-LEFT	
				WEEK 69	
		484	70	MASS(ES)	20 X 25MM
	TO	491	71	AXILLARY REGION-LEFT	
				WEEK 69	
		498	72	MASS(ES)	30 X 30MM
	TO	505	73	AXILLARY REGION-LEFT	
				WEEK 69	
		512	74	MASS(ES)	30 X 40MM
				AXILLARY REGION-LEFT	
				WEEK 69	
		519	75	MASS(ES)	45 X 40MM
				AXILLARY REGION-LEFT	
				WEEK 69	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92882	F1	526	76	MASS(ES)	50 X 40MM
	TO	547	79	AXILLARY REGION-LEFT	
				WEEK 69	
		554	80	MASS(ES)	50 X 50MM
				AXILLARY REGION-LEFT	
				WEEK 69	
		561	81	MASS(ES)	50 X 60MM
	TO	589	85	AXILLARY REGION-LEFT	
				WEEK 69	
		596	86	MASS(ES)	60 X 65MM
				AXILLARY REGION-LEFT	
				WEEK 69	
		603	87	MASS(ES)	60 X 50MM
	TO	610	88	AXILLARY REGION-LEFT	
				WEEK 69	
		617	89	MASS(ES)	75 X 60MM
				AXILLARY REGION-LEFT	
				WEEK 69	
		624	90	MASS(ES)	75 X 60MM
				AXILLARY REGION-LEFT	
				WEEK 69	
		631	91	MASS(ES)	75 X 60MM
				AXILLARY REGION-LEFT	
				WEEK 69	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92882	F1	638	92	MASS(ES) AXILLARY REGION-LEFT WEEK 69	75 X 60MM
		645 TO 659	93 95	MASS(ES) AXILLARY REGION-LEFT WEEK 69	70 X 65MM
		666 TO 733	96 105	MASS(ES) AXILLARY REGION-LEFT WEEK 69	80 X 65MM
		694 TO 733	100 105	MASS(ES) AXILLARY REGION-RIGHT WEEK 100	10 X 10MM
C92883	F1	519 TO 575	75 83	MASS(ES) INGUINAL REGION-RIGHT WEEK 75	10 X 10MM
		582	84	MASS(ES) INGUINAL REGION-RIGHT WEEK 75	15 X 15MM
		589 TO 604	85 87	MASS(ES) INGUINAL REGION-RIGHT WEEK 75	20 X 20MM
C92884	F1	505	73	MASS(ES) AXILLARY REGION-LEFT WEEK 73	10 X 10MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92884	F1	617	89	MASS(ES)	15 X 15MM
	TO	645	93	AXILLARY REGION-LEFT	
				WEEK 89	
		652	94	MASS(ES)	25 X 20MM
				AXILLARY REGION-LEFT	
				WEEK 89	
		659	95	MASS(ES)	15 X 15MM
				AXILLARY REGION-LEFT	
				WEEK 89	
		666	96	MASS(ES)	20 X 15MM
	TO	666	96	AXILLARY REGION-LEFT	
				WEEK 89	
		589	85	MASS(ES)	10 X 10MM
	TO	596	86	AXILLARY REGION-RIGHT	
				WEEK 85	
		617	89	MASS(ES)	15 X 15MM
	TO	624	90	VENTRAL-ABDOMINAL-LEFT	
				WEEK 79	
		631	91	MASS(ES)	20 X 20MM
	TO	659	95	VENTRAL-ABDOMINAL-LEFT	
				WEEK 79	
		666	96	MASS(ES)	30 X 20MM
	TO	666	96	VENTRAL-ABDOMINAL-LEFT	
				WEEK 79	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92884	F1	449	65	MASS(ES)	10 X10MM
	TO	498	72	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 65	
		505	73	MASS(ES)	15 X 15MM
	TO	519	75	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 65	
		526	76	MASS(ES)	15 X 20MM
	TO	547	79	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 65	
		554	80	MASS(ES)	20 X 25MM
				VENTRAL-ABDOMINAL-RIGHT	
				WEEK 65	
		561	81	MASS(ES)	25 X 30MM
	TO	666	96	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 65	
		512	74	MASS(ES)	30 X 20MM
				VENTRAL-ABDOMINAL-RIGHT	POSTERIOR
				WEEK 74	
		519	75	MASS(ES)	20 X 15MM
	TO	540	78	VENTRAL-ABDOMINAL-RIGHT	POSTERIOR
				WEEK 74	
		547	79	MASS(ES)	20 X 20MM
	TO	582	84	VENTRAL-ABDOMINAL-RIGHT	POSTERIOR
				WEEK 74	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92884	F1	589	85	MASS(ES)	30 X 30MM
	TO	596	86	VENTRAL-ABDOMINAL-RIGHT	POSTERIOR
				WEEK 74	
		603	87	MASS(ES)	20 X 20MM
	TO	610	88	VENTRAL-ABDOMINAL-RIGHT	POSTERIOR
				WEEK 74	
		617	89	MASS(ES)	25 X 25MM
	TO	659	95	VENTRAL-ABDOMINAL-RIGHT	POSTERIOR
				WEEK 74	
		666	96	MASS(ES)	30 X 25MM
	TO	666	96	VENTRAL-ABDOMINAL-RIGHT	POSTERIOR
				WEEK 74	
C92885	F1	708	102	MASS(ES)	10 X 10MM
	TO	715	103	INGUINAL REGION-LEFT	
				WEEK 99	
		722	104	MASS(ES)	15 X 15MM
	TO	733	105	INGUINAL REGION-LEFT	
				WEEK 99	
C92886	F1	421	61	MASS(ES)	15 X 15MM
	TO	428	62	AXILLARY REGION-LEFT	
				WEEK 59	
		435	63	MASS(ES)	20 X 15MM
	TO	442	64	AXILLARY REGION-LEFT	
				WEEK 59	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92886	F1	449	65	MASS(ES)	25 X 20MM
	TO	470	68	AXILLARY REGION-LEFT	
				WEEK 59	
		477	69	MASS(ES)	10 X 10MM
	TO	533	77	AXILLARY REGION-LEFT	
				WEEK 59	
		407	59	MASS(ES)	15 X 15MM
	TO	463	67	INGUINAL REGION-RIGHT	
				WEEK 59	
C92893	F1	519	75	MASS(ES)	10 X 10MM
	TO	540	78	AXILLARY REGION-RIGHT	
				WEEK 74	
		561	81	MASS(ES)	10 X 10MM
	TO	610	88	AXILLARY REGION-RIGHT	
				WEEK 74	
		526	76	MASS(ES)	10 X 10MM
	TO	554	80	INGUINAL REGION-RIGHT	
				WEEK 76	
		526	76	MASS(ES)	10 X 10MM
	TO	568	82	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 76	
		519	75	MASS(ES)	10 X 10MM
				VENTRAL-THORACIC-LEFT	
				WEEK 74	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92893	F1	526	76	MASS(ES)	15 X 15MM
	TO	540	78	VENTRAL-THORACIC-LEFT	
				WEEK 74	
		547	79	MASS(ES)	10 X 10MM
				VENTRAL-THORACIC-LEFT	
				WEEK 74	
		554	80	MASS(ES)	15 X 15MM
				VENTRAL-THORACIC-LEFT	
				WEEK 74	
		561	81	MASS(ES)	25 X 25MM
	TO	575	83	VENTRAL-THORACIC-LEFT	
				WEEK 74	
		582	84	MASS(ES)	30 X 30MM
				VENTRAL-THORACIC-LEFT	
				WEEK 74	
		589	85	MASS(ES)	40 X 40MM
				VENTRAL-THORACIC-LEFT	
				WEEK 74	
		596	86	MASS(ES)	40 X 45MM
				VENTRAL-THORACIC-LEFT	
				WEEK 74	
		603	87	MASS(ES)	40 X 40MM
	TO	610	88	VENTRAL-THORACIC-LEFT	
				WEEK 74	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92893	F1	421	61	MASS(ES) RECTUM WEEK 61	15 X 20MM
		428	62	MASS(ES) RECTUM WEEK 61	15 X 20MM
		435 TO 463	63 TO 67	MASS(ES) RECTUM WEEK 61	15 X 20MM
C92895	F1	603 TO 631	87 TO 91	MASS(ES) AXILLARY REGION-LEFT WEEK 87	10 X 10MM
		638 TO 645	92 TO 93	MASS(ES) AXILLARY REGION-LEFT WEEK 87	15 X 15MM
		652	94	MASS(ES) AXILLARY REGION-LEFT WEEK 87	20 X 15MM
		659	95	MASS(ES) AXILLARY REGION-LEFT WEEK 87	25 X 25MM
		666 TO 673	96 TO 97	MASS(ES) AXILLARY REGION-LEFT WEEK 87	30 X 25MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92895	F1	680	98	MASS(ES)	40 X 30MM
	TO	701	101	AXILLARY REGION-LEFT	
				WEEK 87	
		708	102	MASS(ES)	45 X 40MM
	TO	732	105	AXILLARY REGION-LEFT	
				WEEK 87	
C92896	F1	526	76	MASS(ES)	20 X 15MM
	TO	554	80	INGUINAL REGION-RIGHT	
				WEEK 76	
		561	81	MASS(ES)	25 X 20MM
	TO	589	85	INGUINAL REGION-RIGHT	
				WEEK 76	
		596	86	MASS(ES)	30 X 25MM
	TO	610	88	INGUINAL REGION-RIGHT	
				WEEK 76	
		617	89	MASS(ES)	35 X 30MM
	TO	624	90	INGUINAL REGION-RIGHT	
				WEEK 76	
		631	91	MASS(ES)	50 X 35MM
	TO	715	103	INGUINAL REGION-RIGHT	
				WEEK 76	
		722	104	MASS(ES)	60 X 40MM
	TO	731	105	INGUINAL REGION-RIGHT	
				WEEK 76	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92896	F1	673	97	MASS(ES)	20 X 15MM
	TO	701	101	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 97	
		708	102	MASS(ES)	30 X 30MM
	TO	715	103	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 97	
C92901	F1	526	76	MASS(ES)	10 X 10MM
	TO	551	79	RECTUM	
				WEEK 76	
C92904	F1	484	70	MASS(ES)	10 X 10MM
	TO	498	72	AXILLARY REGION-LEFT	
				WEEK 69	
		505	73	MASS(ES)	15 X 15MM
				AXILLARY REGION-LEFT	
				WEEK 69	
		512	74	MASS(ES)	30 X 25MM
	TO	540	78	AXILLARY REGION-LEFT	
				WEEK 69	
		547	79	MASS(ES)	30 X 30MM
	TO	554	80	AXILLARY REGION-LEFT	
				WEEK 69	
		561	81	MASS(ES)	35 X 35MM
	TO	582	84	AXILLARY REGION-LEFT	
				WEEK 69	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92904	F1	589	85	MASS(ES) AXILLARY REGION-LEFT WEEK 69	40 X 40MM
		596 TO 603	86 87	MASS(ES) AXILLARY REGION-LEFT WEEK 69	35 X 45MM
		610	88	MASS(ES) AXILLARY REGION-LEFT WEEK 69	40 X 45MM
		617 TO 638	89 92	MASS(ES) AXILLARY REGION-LEFT WEEK 69	50 X 50MM
		645 TO 659	93 95	MASS(ES) AXILLARY REGION-LEFT WEEK 69	50 X 55MM
		666 TO 673	96 97	MASS(ES) AXILLARY REGION-LEFT WEEK 69	50 X 60MM
		680 TO 702	98 101	MASS(ES) AXILLARY REGION-LEFT WEEK 69	55 X 65MM
		484 TO 512	70 74	MASS(ES) INGUINAL REGION-RIGHT WEEK 70	10 X 10MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92904	F1	519	75	MASS(ES) INGUINAL REGION-RIGHT WEEK 70	15 X 10MM
		526	76	MASS(ES) INGUINAL REGION-RIGHT WEEK 70	20 X 10MM
		533	77	MASS(ES) INGUINAL REGION-RIGHT WEEK 70	20 X 10MM
		540	78	MASS(ES) INGUINAL REGION-RIGHT WEEK 70	20 X 10MM
		547	79	MASS(ES) INGUINAL REGION-RIGHT WEEK 70	20 X 15MM
		554	80	MASS(ES) INGUINAL REGION-RIGHT WEEK 70	20 X 15MM
		561	81	MASS(ES) INGUINAL REGION-RIGHT WEEK 70	20 X 20MM
		568	82	MASS(ES) INGUINAL REGION-RIGHT WEEK 70	20 X 20MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92904	F1	575	83	MASS(ES) INGUINAL REGION-RIGHT WEEK 70	20 X 20MM
		582	84	MASS(ES) INGUINAL REGION-RIGHT WEEK 70	20 X 20MM
		589	85	MASS(ES) INGUINAL REGION-RIGHT WEEK 70	20 X 20MM
		596	86	MASS(ES) INGUINAL REGION-RIGHT WEEK 70	20 X 20MM
		603	87	MASS(ES) INGUINAL REGION-RIGHT WEEK 70	35 X 30MM
		610	88	MASS(ES) INGUINAL REGION-RIGHT WEEK 70	35 X 30MM
		617	89	MASS(ES) INGUINAL REGION-RIGHT WEEK 70	40 X 35MM
		624	90	MASS(ES) INGUINAL REGION-RIGHT WEEK 70	40 X 35MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92904	F1	631	91	MASS(ES) INGUINAL REGION-RIGHT WEEK 70	40 X 35MM
		638	92	MASS(ES) INGUINAL REGION-RIGHT WEEK 70	40 X 35MM
		645	93	MASS(ES) INGUINAL REGION-RIGHT WEEK 70	40 X 35MM
		652	94	MASS(ES) INGUINAL REGION-RIGHT WEEK 70	40 X 35MM
		659	95	MASS(ES) INGUINAL REGION-RIGHT WEEK 70	40 X 35MM
		666	96	MASS(ES) INGUINAL REGION-RIGHT WEEK 70	40 X 35MM
		673	97	MASS(ES) INGUINAL REGION-RIGHT WEEK 70	40 X 35MM
		680	98	MASS(ES) INGUINAL REGION-RIGHT WEEK 70	40 X 35MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92904	F1	687	99	MASS(ES) INGUINAL REGION-RIGHT WEEK 70	40 X 35MM
		694	100	MASS(ES) INGUINAL REGION-RIGHT WEEK 70	40 X 35MM
		701	101	MASS(ES) INGUINAL REGION-RIGHT WEEK 70	40 X 35MM
		702	101	MASS(ES) INGUINAL REGION-RIGHT WEEK 70	40 X 35MM
		702	101	MASS(ES) INGUINAL REGION-RIGHT WEEK 70	40 X 35MM
		673 TO 702	97 TO 101	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 97	30 X 20MM
		449 TO 463	65 TO 67	MASS(ES) VENTRAL-CERVICAL-LEFT WEEK 63	10 X 10MM
		470 TO 498	68 TO 72	MASS(ES) VENTRAL-CERVICAL-LEFT WEEK 63	15 X 15MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92904	F1	505	73	MASS(ES) VENTRAL-CERVICAL-LEFT WEEK 63	20 X 20MM
		512	74	MASS(ES) VENTRAL-CERVICAL-LEFT WEEK 63	30 X 30MM
		519 TO 533	75 77	MASS(ES) VENTRAL-CERVICAL-LEFT WEEK 63	25 X 25MM
		540 TO 596	78 86	MASS(ES) VENTRAL-CERVICAL-LEFT WEEK 63	10 X 10MM
		505	73	MASS(ES) VENTRAL-THORACIC-LEFT WEEK 73	10 X 10MM
		512 TO 540	74 78	MASS(ES) VENTRAL-THORACIC-LEFT WEEK 73	20 X 20MM
		547	79	MASS(ES) VENTRAL-THORACIC-LEFT WEEK 73	20 X 30MM
		554 TO 575	80 83	MASS(ES) VENTRAL-THORACIC-LEFT WEEK 73	30 X 35MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92904	F1	582	84	MASS(ES)	40 X 40MM
	TO	589	85	VENTRAL-THORACIC-LEFT	
				WEEK 73	
		596	86	MASS(ES)	30 X 25MM
	TO	624	90	VENTRAL-THORACIC-LEFT	
				WEEK 73	
		631	91	MASS(ES)	30 X 35MM
	TO	702	101	VENTRAL-THORACIC-LEFT	
				WEEK 73	
C92906	F1	659	95	MASS(ES)	15 X 15MM
	TO	715	103	AXILLARY REGION-LEFT	
				WEEK 95	
		722	104	MASS(ES)	20 X 20MM
	TO	731	105	AXILLARY REGION-LEFT	
				WEEK 95	
		659	95	MASS(ES)	20 X 20MM
	TO	680	98	AXILLARY REGION-RIGHT	
				WEEK 95	
		687	99	MASS(ES)	30 X 25MM
	TO	708	102	AXILLARY REGION-RIGHT	
				WEEK 95	
		715	103	MASS(ES)	40 X 30MM
	TO	731	105	AXILLARY REGION-RIGHT	
				WEEK 95	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD / QUALIFIER	FREE-TEXT COMMENT
C92908	F1	540	78	MASS(ES)	10 X 10MM
	TO	554	80	VENTRAL-CERVICAL	
				WEEK 78	
		561	81	MASS(ES)	15 X 15MM
	TO	582	84	VENTRAL-CERVICAL	
				WEEK 78	
		589	85	MASS(ES)	20 X 20MM
	TO	646	93	VENTRAL-CERVICAL	
				WEEK 78	
C92909	F1	680	98	MASS(ES)	20 X 20MM
				VENTRAL-ABDOMINAL-RIGHT	
				WEEK 98	
		687	99	MASS(ES)	30 X 20MM
	TO	701	101	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 98	
		708	102	MASS(ES)	45 X 30MM
	TO	715	103	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 98	
		722	104	MASS(ES)	80 X 45MM
	TO	732	105	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 98	
C92911	F1	477	69	MASS(ES)	10 X 10MM
				AXILLARY REGION-LEFT	
				WEEK 69	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92911	F1	484	70	MASS(ES)	15 X 15MM
	TO	498	72	AXILLARY REGION-LEFT	
				WEEK 69	
		505	73	MASS(ES)	10 X 10MM
				AXILLARY REGION-LEFT	
				WEEK 69	
		512	74	MASS(ES)	20 X 20MM
	TO	519	75	AXILLARY REGION-LEFT	
				WEEK 69	
		526	76	MASS(ES)	15 X 15MM
				AXILLARY REGION-LEFT	
				WEEK 69	
C92912	F1	561	81	MASS(ES)	10 X 10MM
	TO	568	82	VENTRAL-ABDOMINAL-LEFT	
				WEEK 80	
		575	83	MASS(ES)	30 X 20MM
	TO	589	85	VENTRAL-ABDOMINAL-LEFT	
				WEEK 80	
		596	86	MASS(ES)	30 X 30MM
	TO	610	88	VENTRAL-ABDOMINAL-LEFT	
				WEEK 80	
		617	89	MASS(ES)	40 X 45MM
	TO	624	90	VENTRAL-ABDOMINAL-LEFT	
				WEEK 80	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92912	F1	631	91	MASS(ES)	70 X 50MM
	TO	638	92	VENTRAL-ABDOMINAL-LEFT	
				WEEK 80	
		645	93	MASS(ES)	60 X 50MM
				VENTRAL-ABDOMINAL-LEFT	
				WEEK 80	
		652	94	MASS(ES)	60 X 60MM
	TO	659	95	VENTRAL-ABDOMINAL-LEFT	
				WEEK 80	
		666	96	MASS(ES)	70 X 60MM
	TO	680	98	VENTRAL-ABDOMINAL-LEFT	
				WEEK 80	
		687	99	MASS(ES)	70 X 70MM
	TO	701	101	VENTRAL-ABDOMINAL-LEFT	
				WEEK 80	
		708	102	MASS(ES)	70 X 90MM
				VENTRAL-ABDOMINAL-LEFT	
				WEEK 80	
		715	103	MASS(ES)	90 X 70MM
				VENTRAL-ABDOMINAL-LEFT	
				WEEK 80	
		722	104	MASS(ES)	90 X 100MM
	TO	732	105	VENTRAL-ABDOMINAL-LEFT	
				WEEK 80	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92913	F1	645	93	MASS(ES)	10 X 10MM
	TO	652	94	VENTRAL-ABDOMINAL	
				WEEK 91	
		659	95	MASS(ES)	15 X 15MM
				VENTRAL-ABDOMINAL	
				WEEK 91	
		666	96	MASS(ES)	25 X 20MM
	TO	694	100	VENTRAL-ABDOMINAL	
				WEEK 91	
		701	101	MASS(ES)	30 X 30MM
				VENTRAL-ABDOMINAL	
				WEEK 91	
		708	102	MASS(ES)	40 X 40MM
	TO	715	103	VENTRAL-ABDOMINAL	
				WEEK 91	
		722	104	MASS(ES)	50 X 45MM
	TO	731	105	VENTRAL-ABDOMINAL	
				WEEK 91	
C92916	F1	526	76	MASS(ES)	10 X 10MM
	TO	649	93	AXILLARY REGION-LEFT	
				WEEK 70	
		316	46	MASS(ES)	20 X 20MM
				AXILLARY REGION-RIGHT	
				WEEK 46	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92916	F1	323	47	MASS(ES)	25 X 20MM
	TO	330	48	AXILLARY REGION-RIGHT	
				WEEK 46	
		337	49	MASS(ES)	20 X 20MM
	TO	407	59	AXILLARY REGION-RIGHT	
				WEEK 46	
		414	60	MASS(ES)	25 X 20MM
	TO	442	64	AXILLARY REGION-RIGHT	
				WEEK 46	
		449	65	MASS(ES)	60 X 45MM
	TO	512	74	AXILLARY REGION-RIGHT	
				WEEK 46	
		519	75	MASS(ES)	25 X 25MM
	TO	547	79	AXILLARY REGION-RIGHT	
				WEEK 46	
		554	80	MASS(ES)	35 X 35MM
				AXILLARY REGION-RIGHT	
				WEEK 46	
		561	81	MASS(ES)	60 X 50MM
	TO	603	87	AXILLARY REGION-RIGHT	
				WEEK 46	
		610	88	MASS(ES)	50 X 40MM
	TO	624	90	AXILLARY REGION-RIGHT	
				WEEK 46	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92916	F1	631	91	MASS(ES)	30 X 20MM
	TO	638	92	AXILLARY REGION-RIGHT	
				WEEK 46	
		645	93	MASS(ES)	15 X 15MM
	TO	649	93	AXILLARY REGION-RIGHT	
				WEEK 46	
		582	84	MASS(ES)	15 X 15MM
	TO	589	85	INGUINAL REGION-LEFT	
				WEEK 84	
		596	86	MASS(ES)	20 X 20MM
				INGUINAL REGION-LEFT	
				WEEK 84	
		603	87	MASS(ES)	15 X 15MM
				INGUINAL REGION-LEFT	
				WEEK 84	
		610	88	MASS(ES)	20 X 20MM
	TO	624	90	INGUINAL REGION-LEFT	
				WEEK 84	
		631	91	MASS(ES)	10 X 10MM
				INGUINAL REGION-LEFT	
				WEEK 84	
		638	92	MASS(ES)	20 X 20MM
	TO	649	93	INGUINAL REGION-LEFT	
				WEEK 84	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92916	F1	519	75	MASS(ES)	10 X 10MM
	TO	575	83	INGUINAL REGION-RIGHT	
				WEEK 75	
		582	84	MASS(ES)	15 X 15MM
	TO	596	86	INGUINAL REGION-RIGHT	
				WEEK 75	
		603	87	MASS(ES)	20 X 20MM
	TO	610	88	INGUINAL REGION-RIGHT	
				WEEK 75	
		617	89	MASS(ES)	50 X 40MM
	TO	649	93	INGUINAL REGION-RIGHT	
				WEEK 75	
C92920	F1	246	36	MASS(ES)	10 X 10MM
	TO	260	38	VENTRAL-ABDOMINAL	
				WEEK 36	
		232	34	MASS(ES)	25 X 20MM
				VENTRAL-ABDOMINAL-LEFT	
				WEEK 34	
		239	35	MASS(ES)	30 X 35MM
	TO	281	41	VENTRAL-ABDOMINAL-LEFT	
				WEEK 34	
C92921	F1	337	49	MASS(ES)	10 X 10MM
	TO	358	52	AXILLARY REGION-LEFT	
				WEEK 48	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92921	F1	365	53	MASS(ES)	15 X 15MM
	TO	393	57	AXILLARY REGION-LEFT	
				WEEK 48	
C92924	F1	575	83	MASS(ES)	45 X 40MM
				LIMB-HIND-LEFT	
				WEEK 83	
		582	84	MASS(ES)	60 X 50MM
				LIMB-HIND-LEFT	
				WEEK 83	
		589	85	MASS(ES)	80 X 60MM
	TO	589	85	LIMB-HIND-LEFT	
				WEEK 83	
C92925	F1	687	99	MASS(ES)	10 X 10MM
				AXILLARY REGION-RIGHT	
				WEEK 99	
		694	100	MASS(ES)	15 X 15MM
	TO	715	103	AXILLARY REGION-RIGHT	
				WEEK 99	
		722	104	MASS(ES)	20 X 20MM
	TO	733	105	AXILLARY REGION-RIGHT	
				WEEK 99	
		582	84	MASS(ES)	40 X 30MM
	TO	603	87	INGUINAL REGION-RIGHT	
				WEEK 84	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92925	F1	610	88	MASS(ES) INGUINAL REGION-RIGHT WEEK 84	40 X 35MM
		617 TO 624	89 90	MASS(ES) INGUINAL REGION-RIGHT WEEK 84	60 X 40MM
		631 TO 659	91 95	MASS(ES) INGUINAL REGION-RIGHT WEEK 84	60 X 50MM
		666 TO 680	96 98	MASS(ES) INGUINAL REGION-RIGHT WEEK 84	65 X 50MM
		687 TO 715	99 103	MASS(ES) INGUINAL REGION-RIGHT WEEK 84	70 X 60MM
		722 TO 733	104 105	MASS(ES) INGUINAL REGION-RIGHT WEEK 84	80 X 80MM
		645 TO 680	93 98	MASS(ES) VENTRAL-ABDOMINAL WEEK 92	10 X 10MM
		687 TO 733	99 105	MASS(ES) VENTRAL-ABDOMINAL WEEK 92	15 X 15MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92927	F1	638	92	MASS(ES)	10 X 10MM
	TO	666	96	AXILLARY REGION-RIGHT WEEK 88	
		673	97	MASS(ES)	20 X 20MM
	TO	715	103	AXILLARY REGION-RIGHT WEEK 88	
		722	104	MASS(ES)	40 X 40MM
	TO	731	105	AXILLARY REGION-RIGHT WEEK 88	
		729	105	MASS(ES)	15 X 15MM
	TO	731	105	INGUINAL REGION-LEFT WEEK 105	
		680	98	MASS(ES)	15 X 10MM
	TO	715	103	INGUINAL REGION-RIGHT WEEK 94	
		722	104	MASS(ES)	25 X 20MM
	TO	731	105	INGUINAL REGION-RIGHT WEEK 94	
		435	63	MASS(ES)	10 X 10MM
	TO	463	67	VENTRAL-CERVICAL WEEK 63	
		582	84	MASS(ES)	10 X 10MM
				VENTRAL-CERVICAL WEEK 82	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92927	F1	589	85	MASS(ES)	20 X 20MM
	TO	659	95	VENTRAL-CERVICAL	
				WEEK 82	
		666	96	MASS(ES)	25 X 25MM
	TO	673	97	VENTRAL-CERVICAL	
				WEEK 82	
		680	98	MASS(ES)	30 X 30MM
	TO	715	103	VENTRAL-CERVICAL	
				WEEK 82	
		631	91	MASS(ES)	20 X 20MM
	TO	645	93	VENTRAL-THORACIC-RIGHT	
				WEEK 91	
		652	94	MASS(ES)	30 X 30MM
	TO	673	97	VENTRAL-THORACIC-RIGHT	
				WEEK 91	
		680	98	MASS(ES)	40 X 35MM
	TO	715	103	VENTRAL-THORACIC-RIGHT	
				WEEK 91	
		722	104	MASS(ES)	80 X 50MM
	TO	731	105	VENTRAL-THORACIC-RIGHT	MASSES APPEAR TO HAVE GROWN TOGETHER
				WEEK 91	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92931	D	70	EXCRETION	
			FEW FECES	489-490
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 69	477C, 484C, 489-490C
C92932	M	41	APPEARANCE	
			THIN	281, 285
			EXCRETION	
			FEW FECES	281, 285
			SKIN & PELAGE	
			PALE	
			ENTIRE BODY	281, 285
			SORE/SCAB	
			VENTRAL-ABDOMINAL-LEFT	285
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92932	M	41	MASS(ES)	
			DORSAL	
			WEEK 29	197C, 204C, 211C, 218C, 225C, 232C, 239C, 246C, 253C, 260C, 267C 274C
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 18	120C, 127C, 134C, 141C, 148C, 155C, 162C, 169C, 176C, 183C, 190C 197C, 204C, 211C, 218C, 225C, 232C, 239C, 246C, 253C, 260C, 267C 274C, 281C, 285C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 25	169C, 176C, 183C, 190C, 197C, 204C, 211C, 218C, 225C, 232C, 239C 246C, 253C, 260C, 267C, 274C, 281C, 285C
			VENTRAL-THORACIC-LEFT	
			WEEK 25	169C, 176C, 183C, 190C
C92933	M	92	APPEARANCE	
			MALOCCLUSION	281, 316, 344, 358, 407, 414, 435, 442, 449, 456, 463, 470, 477 505, 512, 519, 540, 547, 554, 561, 568, 575, 582, 589, 631, 638 642
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	642
			COLD TO TOUCH	
			ENTIRE BODY	642
			EXCRETION	
			FEW FECES	642
			NO FECES	642
			EYES	
			PALE	
			EYES	642

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92933	M	92	EYES	
			PROTRUDING	
			EYES	519
			RESPIRATION	
			LABORED	642
			SKIN & PELAGE	
			BLACK SKIN	
			VENTRAL-ABDOMINAL-RIGHT	642
			SORE/SCAB	
			VENTRAL-ABDOMINAL-RIGHT	638, 642
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 288, 295 302, 309, 323, 330, 337, 351, 421, 428
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 64	442C, 449C, 456C, 463C, 470C, 477C, 484C, 491C, 498C, 505C, 512C 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C 596C, 603C, 610C, 617C, 624C, 631C, 638C, 642C
			INGUINAL REGION-RIGHT	
			WEEK 74	512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 642C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92934	M	87	APPEARANCE	
			HEAD TILT	
			RIGHT	596, 603
			MALOCCLUSION	414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589 596, 603
			MISSING	
			TEETH	575, 582, 589, 596, 603
			THIN	596, 603
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	603
			EYES	
			PROTRUDING	
			EYES	519
			RESPIRATION	
			LABORED	603
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92935	M	88	APPEARANCE	
			HUNCHED	603, 610, 612
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	610, 612
			EXCRETION	
			FEW FECES	575, 582, 610, 612
			EYES	
			RED DISCHARGE	
			EYE-RIGHT	603, 610, 612
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	505
			ROUGH HAIR COAT	603
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 470, 477, 484, 491 498, 512, 519, 526, 533, 540, 547, 554
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 81	561C, 568C, 575C, 582C, 589C, 596C, 603C
			SHOULDER-RIGHT	
			WEEK 65	449C, 456C, 463C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92936	T	105	EXCRETION	
			FEW FECES	722, 729, 732
			EYES	
			RED DISCHARGE	
			EYES	722
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 63	435C, 442C, 449C, 456C, 463C, 470C, 477C, 484C, 491C, 498C, 505C 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C, 729C, 732C
C92937	M	65	APPEARANCE	
			HUNCHED	449-450
			MALOCCLUSION	400, 407, 414, 421, 428, 435, 442, 449-450
			THIN	449-450
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	450
			EXCRETION	
			FEW FECES	393

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92937	M	65	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 323, 330, 337, 344, 351, 358, 365, 372, 379, 386
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 64	442, 449-450
			VENTRAL-ABDOMINAL	
			WEEK 61	421, 428C, 435C, 442C, 449-450C
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 43	295C, 302C, 309C, 316C
C92938	T	105	APPEARANCE	
			SWOLLEN	
			PAW-HIND-RIGHT	722, 729, 732
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-RIGHT	554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638 645, 652, 659, 666
			PAWS-HIND	673, 680, 687, 694, 701, 708, 715, 722, 729, 732
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92939	M	71	SKIN & PELAGE	
			BLACK SKIN	
			VENTRAL-CERVICAL-RIGHT	484
			SORE/SCAB	
			VENTRAL-THORACIC	491
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 58	400, 407, 414, 421, 428C, 435C, 442C, 449C, 456C, 463C, 470C 477C, 484C, 491C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 63	435C, 442C, 449C, 456C, 463C, 470C, 477C, 484C, 491C
			VENTRAL-CERVICAL-RIGHT	
			WEEK 47	323C, 330C, 337C, 344C, 351C, 358C, 365C, 372C, 379C, 386C, 393C 400C, 407C, 414C, 421C, 428C, 435C, 442C, 449C, 456C, 463C, 470C 477C, 484C, 491C
C92940	M	87	APPEARANCE	
			THIN	526
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92940	M	87	MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 50	344C, 351C, 358C, 365C, 372C, 379C, 386C, 393C, 400C, 407C, 414C 421C, 428C, 435C, 442C, 449C, 456C, 463C, 470C, 477C, 484C, 491C 498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C 575C, 582C, 589C, 596C, 603C
			INGUINAL REGION-LEFT	
			WEEK 73	505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C 582C, 589C, 596C, 603C
			VENTRAL-THORACIC-RIGHT	
			WEEK 76	526C
C92941	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22
C92942	M	50	SKIN & PELAGE	
			BLACK SKIN	
			DORSAL	323
			SORE/SCAB	
			DORSAL	330, 337, 344, 348
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64
			MASS(ES)	
			DORSAL	
			WEEK 11	71C, 78C, 85C, 92C, 99C, 106C, 113C, 120C, 127C, 134C, 141C 148C, 155C, 162C, 169C, 176C, 183C, 190C, 197C, 204C, 211C, 218C 225C, 232C, 239C, 246C, 253C, 260C, 267C, 274C, 281C, 288C, 295C 302C, 309C, 316C, 323C, 330C, 337C, 344C, 348C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 50	348C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92943	M	97	APPEARANCE	
			HEAD TILT	
			LEFT	631, 638, 645, 652, 659, 666, 673, 677
			THIN	673, 677
			EXCRETION	
			FEW FECES	645, 677
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624
			MASS(ES)	
			INGUINAL REGION-RIGHT	
			WEEK 92	638C, 645C, 652C, 659C, 666C, 673C, 677C
C92944	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C92945	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY GROUP: F2 DOSE: 0.5 PPM KEYWORD QUALIFIER	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92946	T	105	APPEARANCE	
			PROLAPSED	
			VAGINA	393, 400, 407, 421, 428
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 414, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505 512, 519, 526, 533, 547, 554, 561, 568, 575, 582, 589, 596, 603 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 694 701, 708, 715, 722
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 105	729, 732
			VENTRAL-ABDOMINAL	
			WEEK 78	540
C92947	M	94	APPEARANCE	
			MALOCCLUSION	99, 106, 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183 190, 197, 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274 281, 288, 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456 463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638 645, 652, 656
			THIN	656
			EXCRETION	
			FEW FECES	656

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92947	M	94	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92
C92948	M	99	APPEARANCE	
			THIN	673, 691
			EXCRETION	
			FEW FECES	669, 673, 680, 691
			RESPIRATION	
			IRREGULAR	669
			SKIN & PELAGE	
			BLUE SKIN	
			PAWS-ALL	669, 673
			TAIL	669, 673
			ROUGH HAIR COAT	687, 691
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659
			MASS(ES)	
			VENTRAL-CERVICAL	
			WEEK 96	666, 669C, 673C, 680C, 687C, 691C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92949	M	33	SKIN & PELAGE	
			SORE/SCAB	
			LATERAL-CERVICAL-RIGHT	8
			VENTRAL-CERVICAL-LEFT	229
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113 120, 127, 134
			MASS(ES)	
			VENTRAL-CERVICAL-LEFT	
			WEEK 3	190C, 197C, 204C, 211C, 218C, 225C, 229C
			WEEK 21	141C, 148C, 155C, 162C, 169C, 176C, 183C
C92950	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22
C92951	M	103	APPEARANCE	
			MALOCCLUSION	148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232 239, 281, 288, 295, 302, 309, 316, 323, 330, 337, 344, 351, 358 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442, 449 456, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533, 540 547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631 638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715
			MISSING	
			TEETH	183, 190, 197, 204, 211, 218, 225, 232, 239, 246, 253, 260, 267 274, 281, 288, 295, 302, 309, 316, 323, 330, 337, 344, 351, 358 365, 372, 379, 386
			DISCHARGE	
			GENITAL	
			RED IN COLOR	491, 519

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92951	M	103	SKIN & PELAGE	
			SORE/SCAB	
			AXILLARY REGION-RIGHT	498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673 680, 687, 694, 701, 708, 715
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 64	442C, 449C, 456C, 463C, 470C, 477C, 484C, 491C, 498C, 505C, 512C 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C 673C, 680C, 687C, 694C, 701C, 708C, 715C
			INGUINAL REGION-LEFT	
			WEEK 64	442C, 449C, 456C, 463C, 470C, 477C, 484C, 491C, 498C, 505C, 512C 519C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 80	554, 561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C 631C, 638C, 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C 708C, 715C
C92952	M	66	BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	456
			MODERATE	456
			EXCRETION	
			FEW FECES	456

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92952	M	66	EYES	
			RED DISCHARGE	
			EYES	456
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 351, 358, 365, 372, 379, 386 421, 428
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 50	344
			WEEK 57	393, 400, 407, 414
			WEEK 63	435C, 442C, 449C, 456C
C92953	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 733

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92954	M	101	EXCRETION	
			NO FECES	701, 704
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	505, 512, 519, 526, 533, 540, 547, 701, 704
			HEAD-CRANIAL	358, 365, 372, 379, 386, 393, 400, 407, 414, 421
			YELLOW HAIR COAT	704
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 428, 435, 442, 449 456, 463, 470, 477, 484, 491, 498
			MASS(ES)	
			INGUINAL REGION-LEFT	
			WEEK 76	526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C
			VENTRAL-CERVICAL-RIGHT	
			WEEK 77	533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C, 596C, 603C 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C, 673C, 680C 687C, 694C, 701C, 704C
C92955	M	92	APPEARANCE	
			THIN	633, 638
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	638

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92955	M	92	EXCRETION	
			FEW FECES	633
			SKIN & PELAGE	
			ROUGH HAIR COAT	512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596 603
			SORE/SCAB	
			DORSAL-CERVICAL	526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610 617, 624, 631, 633, 638
			SHOULDER-RIGHT	463, 470, 477, 484, 491, 498
			YELLOW HAIR COAT	633, 638
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 435, 442, 449, 456, 505
			MASS(ES)	
			INGUINAL REGION-LEFT	
			WEEK 75	519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C 596C, 603C, 610C, 617C, 624C, 631C, 633C, 638C
			INGUINAL REGION-RIGHT	
			WEEK 76	526
			WEEK 83	575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 633C, 638C
			VENTRAL-ABDOMINAL	
			WEEK 62	428C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 84	582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 633C, 638C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92956	M	102	SKIN & PELAGE	
			BLUE SKIN	
			VENTRAL-ABDOMINAL-LEFT	673, 680, 687, 694, 701, 708-709
			SORE/SCAB	
			MOUTH	638, 645
			VENTRAL-ABDOMINAL-LEFT	701, 708-709
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561
			MASS(ES)	
			HEAD-MAXILLARY-LEFT	
			WEEK 90	624C, 631
			INGUINAL REGION-LEFT	
			WEEK 82	568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708-709C
C92957	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 63	435C, 442C, 449C, 456C, 463C, 470C, 477C, 484C, 491C, 498C, 505C 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92957	T	105	MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 63	589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C, 729C, 733C
			WART LIKE LESION(S)	
			NOSE	
			WEEK 46	316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491 498
C92958	M	89	APPEARANCE	
			HEAD TILT	
			RIGHT	610, 617, 619
			HUNCHED	603, 610, 617, 619
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	619
			RECUMBENT	
			LATERAL	619
			EXCRETION	
			FEW FECES	575, 582, 619
			SKIN & PELAGE	
			ROUGH HAIR COAT	603, 610, 617, 619
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92958	M	89	NORMAL	
			NO REMARKABLE OBSERVATIONS	295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 589, 596
C92959	M	98	APPEARANCE	
			MALOCCLUSION	407, 413-414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666 673, 680
			MISSING	
			TEETH	470, 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645 652, 659, 666, 673, 680
			EXCRETION	
			FEW FECES	673
			NO FECES	680
			EYES	
			RED DISCHARGE	
			EYE-RIGHT	680
			SKIN & PELAGE	
			BROWN HAIR COAT	
			VENTRAL-ABDOMINAL	680
			SORE/SCAB	
			MOUTH	413-414, 421
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92959	M	98	NORMAL	
			NO REMARKABLE OBSERVATIONS	113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400
C92960	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491
			MASS(ES)	
			INGUINAL REGION-LEFT	
			WEEK 72	498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C 729C, 733C
C92961	M	99	APPEARANCE	
			HEAD TILT	
			LEFT	687, 691
			LIMITED USE	
			LIMB-HIND-LEFT	687, 691
			THIN	687, 691
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	687, 691

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92961	M	99	EXCRETION	
			FEW FECES	691
			SKIN & PELAGE	
			BLUE SKIN	
			VENTRAL-ABDOMINAL-LEFT	687, 691
			SORE/SCAB	
			PAW-HIND-RIGHT	526, 533, 540
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 260, 267, 274, 281, 288, 295, 302 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 428, 435, 442 449, 456, 463, 470, 477, 484, 491, 498, 505, 512, 519
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 45	309, 316, 323
			AXILLARY REGION-RIGHT	
			WEEK 36	246, 253
			WEEK 58	400, 407, 414, 421
			INGUINAL REGION-LEFT	
			WEEK 76	526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C, 596C 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C, 673C 680C, 687C, 691C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92962	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C92963	M	94	APPEARANCE	
			MALOCCLUSION	365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442, 449 456, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533, 540 547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631 638, 645, 652, 656
			EYES	
			PROTRUDING	
			EYES	519
			SKIN & PELAGE	
			BLACK SKIN	
			VENTRAL-ABDOMINAL-RIGHT	652, 656
			PALE	
			ENTIRE BODY	656
			SORE/SCAB	
			VENTRAL-ABDOMINAL-RIGHT	656
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 72	498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C 652C, 656C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92963	M	94	MASS(ES)	
			INGUINAL REGION-RIGHT	
			WEEK 75	519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 83	575, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C 652C, 656C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 68	470C, 477C, 484C, 491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C 547C, 554C, 561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C 624C, 631C, 638C, 645C, 652C, 656C
C92964	T	105	APPEARANCE	
			MALOCCLUSION	512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687 694, 701, 708, 715, 722, 729, 731
			EXCRETION	
			FEW FECES	540
			NONFORMED FECES	400
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505
			MASS(ES)	
			VENTRAL-CERVICAL	
			WEEK 83	575, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92964	T	105	MASS(ES)	
			VENTRAL-CERVICAL	
			WEEK 83	652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C 729C, 731C
C92965	D	82	APPEARANCE	
			HUNCHED	570, 573
			THIN	561, 568, 570, 573
			EXCRETION	
			NO FECES	570, 573
			EYES	
			RED DISCHARGE	
			EYES	547, 554, 561, 568, 570, 573
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407
			MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 60	414C, 421C, 428C, 435C, 442C, 449C, 456C, 463C, 470C, 477C, 484C 491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C 568C, 570C, 573C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92966	M	72	APPEARANCE	
			HEAD TILT	
			RIGHT	502
			THIN	498, 502
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	502
			EYES	
			RED DISCHARGE	
			EYE-RIGHT	316
			SKIN & PELAGE	
			ROUGH HAIR COAT	498, 502
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491
C92967	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92968	D	69	EXCRETION	
			FEW FECES	470, 477
			EYES	
			DILATED PUPIL	
			EYES	470, 477
			RED DISCHARGE	
			EYES	470, 477
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463
C92969	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22
C92970	T	105	APPEARANCE	
			MALOCCLUSION	78
			THIN	715, 722, 729, 731
			DISCHARGE	
			NASAL	
			RED IN COLOR	722
			EXCRETION	
			FEW FECES	715, 722, 729, 731

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92970	T	105	EYES	
			PROTRUDING	
			EYES	519
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-RIGHT	652, 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 731
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 85, 92, 99, 106, 113 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505, 512, 526, 533, 540, 547, 554, 561, 568, 575 582, 589, 596, 603, 610, 617, 624, 631, 638, 645
C92971	M	90	APPEARANCE	
			MALOCCLUSION	155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232, 239 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323, 330 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603 610, 617, 624
			MISSING	
			TEETH	554, 561, 568, 575, 582, 589, 596, 603
			THIN	624
			SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL-LEFT	617, 624

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92971	M	90	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148
			MASS(ES)	
			INGUINAL REGION-LEFT	
			WEEK 67	463C, 470C, 477C, 484C, 491C, 498C, 505C, 512C, 519C, 526C, 533C 540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C 617C, 624C
C92972	M	96	APPEARANCE	
			THIN	666, 670
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	670
			EXCRETION	
			FEW FECES	670
			EYES	
			RED DISCHARGE	
			EYE-RIGHT	435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512, 519 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610 617, 624, 631, 638, 645, 652, 659, 666
			EYES	670
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 365, 372, 379, 386, 393, 400, 407, 414

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER	GROUP: F2 DOSE: 0.5 PPM DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92972	M	96	NORMAL	
			NO REMARKABLE OBSERVATIONS	421, 428
			MASS(ES)	
			SHOULDER-RIGHT	
			WEEK 72	498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C 652C, 659C, 666C, 670C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 48	330, 337, 344, 351, 358
C92973	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 731
C92974	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92974	T	105	MASS(ES)	
			VENTRAL-CERVICAL-RIGHT	
			WEEK 104	722, 729, 732
C92975	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 330, 337, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568 575, 582, 589, 596, 603, 610
			MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 89	617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C, 673C, 680C, 687C 694C, 701C, 708C, 715C, 722C, 729C, 733C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 47	323C
C92976	M	102	APPEARANCE	
			HEAD TILT	
			LEFT	712
			EXCRETION	
			FEW FECES	712
			EYES	
			CLEAR DISCHARGE	
			EYE-RIGHT	680, 687
			RED DISCHARGE	
			EYE-LEFT	712

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92976	M	102	EYES	
			RED DISCHARGE	
			EYE-RIGHT	694, 701, 708
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 83	575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C, 712C
			WEEK 88	610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C, 673C, 680C 687C, 694C, 701C
C92977	D	98	SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-RIGHT	673, 680, 686
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92977	D	98	NORMAL	
			NO REMARKABLE OBSERVATIONS	659, 666
C92978	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C92979	M	89	BEHAVIOR	
			COLD TO TOUCH	
			ENTIRE BODY	622
			DISCHARGE	
			GENITAL	
			RED IN COLOR	622
			EXCRETION	
			NO FECES	617, 622
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 80	554, 561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C, 622C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92980	M	63	APPEARANCE	
			MALOCCLUSION	204, 211, 218, 260, 281, 288, 316, 337, 344, 351, 358, 365, 400 407, 414, 421, 428, 435
			SKIN & PELAGE	
			SORE/SCAB	
			AXILLARY REGION-LEFT	316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400 407, 414, 421, 428, 435
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 225, 232, 239, 246, 253
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 38	260, 267, 274, 281C, 288C, 295C, 302C, 309C, 316C, 323C, 330C 337C, 344C, 351C, 358C, 365C, 372C, 379C, 386C, 393C, 400C, 407C 414C, 421C, 428C, 435C
			LIMB-HIND-RIGHT	
			WEEK 55	379, 386, 393C, 400C, 407C, 414C, 421C, 428C, 435C
C92981	M	72	APPEARANCE	
			HEAD TILT	
			LEFT	502
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	502
			EXCRETION	
			NO FECES	502

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92981	M	72	SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	477, 484, 502
			ROUGH HAIR COAT	498, 502
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 491
C92982	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22
C92983	T	105	EXCRETION	
			FEW FECES	729, 731
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	722
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92983	T	105	MASS(ES)	
			INGUINAL REGION-LEFT	
			WEEK 94	652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C 729C, 731C
			VENTRAL-CERVICAL	
			WEEK 96	666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 731
C92984	T	105	SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-LEFT	631
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 463, 470, 477, 484, 491, 498, 505, 512
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 75	519, 526
			WEEK 93	645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C 722C, 729C, 732C
			INGUINAL REGION-RIGHT	
			WEEK 75	519, 526, 533, 540, 547, 554, 561, 568C, 575C, 582C, 589C, 596C 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C, 673C 680C, 687C, 694C, 701C, 708C, 715C, 722C, 729C, 732C
			VENTRAL-ABDOMINAL	
			WEEK 60	414C, 421C, 428C, 435C, 442C, 449C, 456C
			WEEK 104	722C, 729C, 732C
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 75	519, 526

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

CATEGORY GROUP: F2 DOSE: 0.5 PPM

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	KEYWORD / QUALIFIER	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92984	T	105	MASS(ES)	
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 75	519, 526, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C 673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C, 729C, 732C
C92985	M	98	APPEARANCE	
			MALOCCLUSION	155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232, 239 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 351, 358 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442, 449 456, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533, 540 547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631 638, 645, 652, 659, 666, 673, 680
			MISSING	
			TEETH	204, 211, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 323, 330, 337, 344
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 76	526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C, 596C 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C, 673C 680C
			INGUINAL REGION-RIGHT	
			WEEK 96	666C, 673C, 680C
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 82	568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C 645C, 652C, 659C, 666C, 673C, 680C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92985	M	98	MASS(ES)	
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 95	659C, 666C, 673C, 680C
			VENTRAL-THORACIC-LEFT	
			WEEK 95	659C, 666C, 673C, 680C
C92986	T	105	SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	519, 526, 533, 540, 547
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 561, 568, 575, 582
			MASS(ES)	
			INGUINAL REGION-LEFT	
			WEEK 85	589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C, 729C, 733C
			INGUINAL REGION-RIGHT	
			WEEK 76	526C, 533C, 540C, 547C, 554C
			WEEK 100	694C, 701C, 708C, 715C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92987	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C92988	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 731
C92989	M	84	APPEARANCE	
			MALOCCLUSION	64, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435 442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512, 540, 547 554, 561, 568, 575, 582
			SWOLLEN	
			MOUTH	358, 365
			DISCHARGE	
			GENITAL	
			RED IN COLOR	547
			NASAL	
			RED IN COLOR	358
			EXCRETION	
			NO FECES	582
			EYES	
			RED DISCHARGE	
			EYE-RIGHT	519, 526, 533

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F2 DOSE: 0.5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92989	M	84	SKIN & PELAGE	
			BROWN HAIR COAT	
			VENTRAL-ABDOMINAL	582
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 21-22, 29, 36, 43, 50, 57, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351
C92990	M	94	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 463, 470, 477, 484, 491, 498
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 73	505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C 652-653C
			VENTRAL-ABDOMINAL	
			WEEK 63	435C, 442C, 449C, 456C
			VENTRAL-CERVICAL-RIGHT	
			WEEK 89	617C, 624C, 631C, 638C, 645C, 652-653C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92931	F2	477	69	MASS(ES)	15 X 15MM
	TO	490	70	AXILLARY REGION-RIGHT	
				WEEK 69	
C92932	F2	197	29	MASS(ES)	20 X 20MM
	TO	260	38	DORSAL	
				WEEK 29	
		267	39	MASS(ES)	35 X 30MM
	TO	274	40	DORSAL	
				WEEK 29	
		120	18	MASS(ES)	MASS 30 X 25MM
				VENTRAL-ABDOMINAL-LEFT	
				WEEK 18	
		127	19	MASS(ES)	25 X 20MM
				VENTRAL-ABDOMINAL-LEFT	
				WEEK 18	
		134	20	MASS(ES)	30 X 15MM
	TO	141	21	VENTRAL-ABDOMINAL-LEFT	
				WEEK 18	
		148	22	MASS(ES)	50 X 15MM
	TO	190	28	VENTRAL-ABDOMINAL-LEFT	
				WEEK 18	
		197	29	MASS(ES)	35 X 10MM
				VENTRAL-ABDOMINAL-LEFT	
				WEEK 18	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92932	F2	204	30	MASS(ES)	35 X 15MM
	TO	211	31	VENTRAL-ABDOMINAL-LEFT	
				WEEK 18	
		218	32	MASS(ES)	35 X 20MM
				VENTRAL-ABDOMINAL-LEFT	
				WEEK 18	
		225	33	MASS(ES)	45 X 45MM
	TO	232	34	VENTRAL-ABDOMINAL-LEFT	
				WEEK 18	
		239	35	MASS(ES)	35 X 40MM
	TO	260	38	VENTRAL-ABDOMINAL-LEFT	
				WEEK 18	
		267	39	MASS(ES)	45 X 35MM
	TO	285	41	VENTRAL-ABDOMINAL-LEFT	
				WEEK 18	
		169	25	MASS(ES)	25 X 20MM
	TO	197	29	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 25	
		204	30	MASS(ES)	30 X 25MM
				VENTRAL-ABDOMINAL-RIGHT	
				WEEK 25	
		211	31	MASS(ES)	30 X 30MM
	TO	218	32	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 25	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92932	F2	225	33	MASS(ES)	35 X 30MM
	TO	253	37	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 25	
		260	38	MASS(ES)	40 X 35MM
	TO	274	40	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 25	
		281	41	MASS(ES)	50 X 50MM
	TO	285	41	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 25	
		169	25	MASS(ES)	10 X 10MM
	TO	190	28	VENTRAL-THORACIC-LEFT	
				WEEK 25	
C92933	F2	442	64	MASS(ES)	20 X 10MM
				AXILLARY REGION-LEFT	
				WEEK 64	
		449	65	MASS(ES)	20 X 20MM
	TO	463	67	AXILLARY REGION-LEFT	
				WEEK 64	
		470	68	MASS(ES)	40 X 40MM
	TO	554	80	AXILLARY REGION-LEFT	
				WEEK 64	
		561	81	MASS(ES)	45 X 45MM
				AXILLARY REGION-LEFT	
				WEEK 64	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92933	F2	568	82	MASS(ES)	55 X 45MM
	TO	610	88	AXILLARY REGION-LEFT	
				WEEK 64	
		617	89	MASS(ES)	60 X 50MM
	TO	624	90	AXILLARY REGION-LEFT	
				WEEK 64	
		631	91	MASS(ES)	50 X 50MM
	TO	642	92	AXILLARY REGION-LEFT	
				WEEK 64	
		512	74	MASS(ES)	15 X 15MM
	TO	519	75	INGUINAL REGION-RIGHT	
				WEEK 74	
		526	76	MASS(ES)	20 X 15MM
				INGUINAL REGION-RIGHT	
				WEEK 74	
		533	77	MASS(ES)	20 X 20MM
	TO	554	80	INGUINAL REGION-RIGHT	
				WEEK 74	
		561	81	MASS(ES)	40 X 35MM
	TO	589	85	INGUINAL REGION-RIGHT	
				WEEK 74	
		596	86	MASS(ES)	55 X 35MM
				INGUINAL REGION-RIGHT	
				WEEK 74	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92933	F2	603	87	MASS(ES)	65 X 50MM
	TO	610	88	INGUINAL REGION-RIGHT	
				WEEK 74	
		617	89	MASS(ES)	75 X 75MM
	TO	624	90	INGUINAL REGION-RIGHT	
				WEEK 74	
		631	91	MASS(ES)	70 X 70MM
	TO	642	92	INGUINAL REGION-RIGHT	
				WEEK 74	
C92935	F2	561	81	MASS(ES)	65 X 60MM
	TO	568	82	AXILLARY REGION-RIGHT	
				WEEK 81	
		575	83	MASS(ES)	30 X 30MM
	TO	582	84	AXILLARY REGION-RIGHT	
				WEEK 81	
		589	85	MASS(ES)	50 X 50MM
	TO	603	87	AXILLARY REGION-RIGHT	
				WEEK 81	
		449	65	MASS(ES)	60 X 60MM
	TO	463	67	SHOULDER-RIGHT	
				WEEK 65	
C92936	F2	435	63	MASS(ES)	10 X 15MM
				AXILLARY REGION-LEFT	
				WEEK 63	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92936	F2	442	64	MASS(ES)	20 X 20MM
	TO	456	66	AXILLARY REGION-LEFT	
				WEEK 63	
		463	67	MASS(ES)	25 X 25MM
				AXILLARY REGION-LEFT	
				WEEK 63	
		470	68	MASS(ES)	30 X 40MM
	TO	484	70	AXILLARY REGION-LEFT	
				WEEK 63	
		491	71	MASS(ES)	30 X 20MM
				AXILLARY REGION-LEFT	
				WEEK 63	
		498	72	MASS(ES)	40 X 30MM
	TO	505	73	AXILLARY REGION-LEFT	
				WEEK 63	
		512	74	MASS(ES)	30 X 50MM
				AXILLARY REGION-LEFT	
				WEEK 63	
		519	75	MASS(ES)	40 X 40MM
				AXILLARY REGION-LEFT	
				WEEK 63	
		526	76	MASS(ES)	50 X 35MM
	TO	540	78	AXILLARY REGION-LEFT	
				WEEK 63	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92936	F2	547	79	MASS(ES)	40 X 45MM
	TO	554	80	AXILLARY REGION-LEFT	
				WEEK 63	
		561	81	MASS(ES)	40 X 60MM
	TO	568	82	AXILLARY REGION-LEFT	
				WEEK 63	
		575	83	MASS(ES)	40 X 50MM
	TO	589	85	AXILLARY REGION-LEFT	
				WEEK 63	
		596	86	MASS(ES)	35 X 50MM
				AXILLARY REGION-LEFT	
				WEEK 63	
		603	87	MASS(ES)	50 X 50MM
	TO	610	88	AXILLARY REGION-LEFT	
				WEEK 63	
		617	89	MASS(ES)	60 X 50MM
	TO	631	91	AXILLARY REGION-LEFT	
				WEEK 63	
		638	92	MASS(ES)	60 X 35MM
				AXILLARY REGION-LEFT	
				WEEK 63	
		645	93	MASS(ES)	60 X 40MM
	TO	666	96	AXILLARY REGION-LEFT	
				WEEK 63	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD / QUALIFIER	FREE-TEXT COMMENT
C92936	F2	673	97	MASS(ES) AXILLARY REGION-LEFT WEEK 63	40 X 40MM
		680	98	MASS(ES) AXILLARY REGION-LEFT WEEK 63	50 X 40
		687	99	MASS(ES) AXILLARY REGION-LEFT WEEK 63	50 X 40MM
		694	100	MASS(ES) AXILLARY REGION-LEFT WEEK 63	50 X 40MM
		701	101	MASS(ES) AXILLARY REGION-LEFT WEEK 63	50 X 40MM
		708 TO 732	102 105	MASS(ES) AXILLARY REGION-LEFT WEEK 63	50 X 40MM
C92937	F2	428 TO 450	62 65	MASS(ES) VENTRAL-ABDOMINAL WEEK 61	15 X 15MM
		295 TO 316	43 46	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 43	10 X 10MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92939	F2	428	62	MASS(ES)	15 X 15MM
		TO 435	63	AXILLARY REGION-LEFT	
				WEEK 58	
		442	64	MASS(ES)	20 X 20MM
		TO 477	69	AXILLARY REGION-LEFT	
				WEEK 58	
		484	70	MASS(ES)	20 X 35MM
				AXILLARY REGION-LEFT	
				WEEK 58	
		491	71	MASS(ES)	30 X 30MM
		TO 491	71	AXILLARY REGION-LEFT	
				WEEK 58	
		435	63	MASS(ES)	10 X 10MM
		TO 449	65	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 63	
		456	66	MASS(ES)	15 X 15MM
		TO 463	67	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 63	
		470	68	MASS(ES)	30 X 25MM
		TO 477	69	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 63	
		484	70	MASS(ES)	15 X 15MM
		TO 491	71	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 63	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92939	F2	323	47	MASS(ES)	20 X 25MM
		TO 372	54	VENTRAL-CERVICAL-RIGHT	
				WEEK 47	
		379	55	MASS(ES)	30 X 25MM
		TO 393	57	VENTRAL-CERVICAL-RIGHT	
				WEEK 47	
		400	58	MASS(ES)	30 X 40MM
		TO 407	59	VENTRAL-CERVICAL-RIGHT	
				WEEK 47	
		414	60	MASS(ES)	35 X 35MM
		TO 421	61	VENTRAL-CERVICAL-RIGHT	
				WEEK 47	
		428	62	MASS(ES)	40 X 40MM
		TO 463	67	VENTRAL-CERVICAL-RIGHT	
				WEEK 47	
		470	68	MASS(ES)	60 X 50MM
		TO 477	69	VENTRAL-CERVICAL-RIGHT	
				WEEK 47	
		484	70	MASS(ES)	50 X 50MM
				VENTRAL-CERVICAL-RIGHT	
				WEEK 47	
		491	71	MASS(ES)	30 X 60MM
		TO 491	71	VENTRAL-CERVICAL-RIGHT	
				WEEK 47	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92940	F2	344	50	MASS(ES) AXILLARY REGION-LEFT WEEK 50	15 X 15MM
		351	51	MASS(ES) AXILLARY REGION-LEFT WEEK 50	20 X 20MM
		358 TO 379	52 55	MASS(ES) AXILLARY REGION-LEFT WEEK 50	30 X 30MM
		386 TO 393	56 57	MASS(ES) AXILLARY REGION-LEFT WEEK 50	40 X 40MM
		400 TO 414	58 60	MASS(ES) AXILLARY REGION-LEFT WEEK 50	40 X 50MM
		421 TO 442	61 64	MASS(ES) AXILLARY REGION-LEFT WEEK 50	60 X 50MM
		449 TO 463	65 67	MASS(ES) AXILLARY REGION-LEFT WEEK 50	65 X 85MM
		470 TO 505	68 73	MASS(ES) AXILLARY REGION-LEFT WEEK 50	85 X 85MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92940	F2	512	74	MASS(ES)	90 X 90MM
		TO 519	75	AXILLARY REGION-LEFT	
				WEEK 50	
		526	76	MASS(ES)	100 X 90MM
		TO 568	82	AXILLARY REGION-LEFT	
				WEEK 50	
		575	83	MASS(ES)	110 X 90MM
				AXILLARY REGION-LEFT	
				WEEK 50	
		582	84	MASS(ES)	100 X 90MM
		TO 603	87	AXILLARY REGION-LEFT	
				WEEK 50	
		505	73	MASS(ES)	20 X 20MM
		TO 512	74	INGUINAL REGION-LEFT	
				WEEK 73	
		519	75	MASS(ES)	30 X 30MM
				INGUINAL REGION-LEFT	
				WEEK 73	
		526	76	MASS(ES)	40 X 30MM
		TO 540	78	INGUINAL REGION-LEFT	
				WEEK 73	
		547	79	MASS(ES)	40 X 40MM
		TO 561	81	INGUINAL REGION-LEFT	
				WEEK 73	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92940	F2	568	82	MASS(ES) INGUINAL REGION-LEFT WEEK 73	50 X 40MM
		575 TO 589	83 TO 85	MASS(ES) INGUINAL REGION-LEFT WEEK 73	50 X 60MM
		596	86	MASS(ES) INGUINAL REGION-LEFT WEEK 73	50 X 70MM
		603 TO 603	87 TO 87	MASS(ES) INGUINAL REGION-LEFT WEEK 73	60 X 70MM
		526	76	MASS(ES) VENTRAL-THORACIC-RIGHT WEEK 76	10 X 10MM
C92942	F2	71	11	MASS(ES) DORSAL WEEK 11	30 X 30MM
		78 TO 92	12 TO 14	MASS(ES) DORSAL WEEK 11	30 X 30MM
		99 TO 204	15 TO 30	MASS(ES) DORSAL WEEK 11	40 X 30MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92942	F2	211	31	MASS(ES)	30 X 30MM
		TO 218	32	DORSAL	
				WEEK 11	
		225	33	MASS(ES)	35 X 35MM
		TO 253	37	DORSAL	
				WEEK 11	
		260	38	MASS(ES)	40 X 35MM
				DORSAL	
				WEEK 11	
		267	39	MASS(ES)	45 X 45MM
		TO 274	40	DORSAL	
				WEEK 11	
		281	41	MASS(ES)	50 X 50MM
		TO 288	42	DORSAL	
				WEEK 11	
		295	43	MASS(ES)	60 X 50MM
		TO 309	45	DORSAL	
				WEEK 11	
		316	46	MASS(ES)	80 X 60MM
				DORSAL	
				WEEK 11	
		323	47	MASS(ES)	85 X 80MM
		TO 348	50	DORSAL	
				WEEK 11	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92942	F2	348	50	MASS(ES)	35 X 25MM
	TO	348	50	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 50	
C92943	F2	638	92	MASS(ES)	15 X 10MM
	TO	659	95	INGUINAL REGION-RIGHT	
				WEEK 92	
		666	96	MASS(ES)	20 X 20MM
	TO	677	97	INGUINAL REGION-RIGHT	
				WEEK 92	
C92948	F2	669	96	MASS(ES)	10 X 10MM
	TO	691	99	VENTRAL-CERVICAL	
				WEEK 96	
C92949	F2	190	28	MASS(ES)	50 X 35MM
	TO	197	29	VENTRAL-CERVICAL-LEFT	
				WEEK 3	
		204	30	MASS(ES)	60 X 35MM
				VENTRAL-CERVICAL-LEFT	
				WEEK 3	
		211	31	MASS(ES)	70 X 50MM
	TO	218	32	VENTRAL-CERVICAL-LEFT	
				WEEK 3	
		225	33	MASS(ES)	80 X 60MM
	TO	229	33	VENTRAL-CERVICAL-LEFT	
				WEEK 3	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92949	F2	141	21	MASS(ES)	15 X 15MM
	TO	162	24	VENTRAL-CERVICAL-LEFT	
				WEEK 21	
		169	25	MASS(ES)	25 X 25MM
				VENTRAL-CERVICAL-LEFT	
				WEEK 21	
		176	26	MASS(ES)	35 X 25MM
				VENTRAL-CERVICAL-LEFT	
				WEEK 21	
		183	27	MASS(ES)	40 X 25MM
				VENTRAL-CERVICAL-LEFT	
				WEEK 21	
C92951	F2	442	64	MASS(ES)	10 X 10MM
	TO	463	67	AXILLARY REGION-RIGHT	
				WEEK 64	
		470	68	MASS(ES)	15 X 15MM
	TO	477	69	AXILLARY REGION-RIGHT	
				WEEK 64	
		484	70	MASS(ES)	25 X 25MM
				AXILLARY REGION-RIGHT	
				WEEK 64	
		491	71	MASS(ES)	20 X 15MM
	TO	512	74	AXILLARY REGION-RIGHT	
				WEEK 64	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92951	F2	519	75	MASS(ES)	20 X 20MM
	TO	596	86	AXILLARY REGION-RIGHT	
				WEEK 64	
		603	87	MASS(ES)	30 X 30MM
	TO	638	92	AXILLARY REGION-RIGHT	
				WEEK 64	
		645	93	MASS(ES)	40 X 30MM
	TO	659	95	AXILLARY REGION-RIGHT	
				WEEK 64	
		666	96	MASS(ES)	50 X 35MM
	TO	708	102	AXILLARY REGION-RIGHT	
				WEEK 64	
		715	103	MASS(ES)	50 X 50MM
	TO	715	103	AXILLARY REGION-RIGHT	
				WEEK 64	
		442	64	MASS(ES)	25 X 20MM
				INGUINAL REGION-LEFT	
				WEEK 64	
		449	65	MASS(ES)	15 X15MM
	TO	456	66	INGUINAL REGION-LEFT	
				WEEK 64	
		463	67	MASS(ES)	10 X 10MM
	TO	484	70	INGUINAL REGION-LEFT	
				WEEK 64	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92951	F2	491	71	MASS(ES)	20 X 20MM
	TO	498	72	INGUINAL REGION-LEFT	
				WEEK 64	
		505	73	MASS(ES)	10 X 10
	TO	512	74	INGUINAL REGION-LEFT	
				WEEK 64	
		519	75	MASS(ES)	20 X 20MM
				INGUINAL REGION-LEFT	
				WEEK 64	
		561	81	MASS(ES)	10 X 10MM
	TO	568	82	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 80	
		575	83	MASS(ES)	20 X 15MM
	TO	582	84	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 80	
		589	85	MASS(ES)	30 X 30MM
				VENTRAL-ABDOMINAL-RIGHT	
				WEEK 80	
		596	86	MASS(ES)	25 X 35MM
				VENTRAL-ABDOMINAL-RIGHT	
				WEEK 80	
		603	87	MASS(ES)	35 X 35MM
	TO	631	91	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 80	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92951	F2	638	92	MASS(ES)	45 X 40MM
	TO	659	95	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 80	
		666	96	MASS(ES)	50 X 40MM
	TO	680	98	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 80	
		687	99	MASS(ES)	69 X 45MM
				VENTRAL-ABDOMINAL-RIGHT	
				WEEK 80	
		694	100	MASS(ES)	60 X 45MM
	TO	715	103	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 80	
C92952	F2	435	63	MASS(ES)	10 X 10MM
				AXILLARY REGION-LEFT	
				WEEK 63	
		442	64	MASS(ES)	20 X 20MM
	TO	456	66	AXILLARY REGION-LEFT	
				WEEK 63	
C92954	F2	526	76	MASS(ES)	10 X 10MM
	TO	575	83	INGUINAL REGION-LEFT	
				WEEK 76	
		533	77	MASS(ES)	30 X 25MM
	TO	554	80	VENTRAL-CERVICAL-RIGHT	
				WEEK 77	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92954	F2	561	81	MASS(ES)	35 X 30MM
	TO	589	85	VENTRAL-CERVICAL-RIGHT	
				WEEK 77	
		596	86	MASS(ES)	35 X 40MM
	TO	645	93	VENTRAL-CERVICAL-RIGHT	
				WEEK 77	
		652	94	MASS(ES)	40 X 50MM
	TO	704	101	VENTRAL-CERVICAL-RIGHT	
				WEEK 77	
C92955	F2	519	75	MASS(ES)	25 X 10MM
	TO	540	78	INGUINAL REGION-LEFT	
				WEEK 75	
		547	79	MASS(ES)	25 X 20MM
				INGUINAL REGION-LEFT	
				WEEK 75	
		554	80	MASS(ES)	30 X 25MM
	TO	575	83	INGUINAL REGION-LEFT	
				WEEK 75	
		582	84	MASS(ES)	45 X 35MM
	TO	596	86	INGUINAL REGION-LEFT	
				WEEK 75	
		603	87	MASS(ES)	60 X 40MM
				INGUINAL REGION-LEFT	
				WEEK 75	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92955	F2	610	88	MASS(ES)	40 X 40MM
	TO	638	92	INGUINAL REGION-LEFT	
				WEEK 75	
		575	83	MASS(ES)	10 X 10MM
				INGUINAL REGION-RIGHT	
				WEEK 83	
		582	84	MASS(ES)	15 X 15MM
				INGUINAL REGION-RIGHT	
				WEEK 83	
		589	85	MASS(ES)	20 X 20MM
	TO	638	92	INGUINAL REGION-RIGHT	
				WEEK 83	
		428	62	MASS(ES)	25 X 25MM
				VENTRAL-ABDOMINAL	
				WEEK 62	
		582	84	MASS(ES)	10 X 10MM
				VENTRAL-ABDOMINAL-RIGHT	
				WEEK 84	
		589	85	MASS(ES)	15 X 15MM
	TO	603	87	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 84	
		610	88	MASS(ES)	25 X 25MM
	TO	638	92	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 84	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92956	F2	624	90	MASS(ES) HEAD-MAXILLARY-LEFT WEEK 90	10 X 10MM
		568	82	MASS(ES) INGUINAL REGION-LEFT WEEK 82	10 X 10MM
		575 TO 589	83 85	MASS(ES) INGUINAL REGION-LEFT WEEK 82	15 X 15MM
		596	86	MASS(ES) INGUINAL REGION-LEFT WEEK 82	25 X 15MM
		603 TO 631	87 91	MASS(ES) INGUINAL REGION-LEFT WEEK 82	25 X 25MM
		638 TO 645	92 93	MASS(ES) INGUINAL REGION-LEFT WEEK 82	35 X 35MM
		652 TO 659	94 95	MASS(ES) INGUINAL REGION-LEFT WEEK 82	40 X 40MM
		666 TO 673	96 97	MASS(ES) INGUINAL REGION-LEFT WEEK 82	40 X 50MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92956	F2	680	98	MASS(ES)	50 X 60MM
	TO	694	100	INGUINAL REGION-LEFT	
				WEEK 82	
		701	101	MASS(ES)	40 X 50MM
	TO	709	102	INGUINAL REGION-LEFT	
				WEEK 82	
C92957	F2	435	63	MASS(ES)	10 X 10MM
				VENTRAL-ABDOMINAL-LEFT	
				WEEK 63	
		442	64	MASS(ES)	15 X 15MM
				VENTRAL-ABDOMINAL-LEFT	
				WEEK 63	
		449	65	MASS(ES)	20 X 20MM
	TO	463	67	VENTRAL-ABDOMINAL-LEFT	
				WEEK 63	
		470	68	MASS(ES)	35 X 30MM
	TO	477	69	VENTRAL-ABDOMINAL-LEFT	
				WEEK 63	
		484	70	MASS(ES)	40 X 35MM
	TO	505	73	VENTRAL-ABDOMINAL-LEFT	
				WEEK 63	
		512	74	MASS(ES)	60 X 50MM
	TO	554	80	VENTRAL-ABDOMINAL-LEFT	
				WEEK 63	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92957	F2	561	81	MASS(ES)	80 X 65MM
	TO	589	85	VENTRAL-ABDOMINAL-LEFT	
				WEEK 63	
		596	86	MASS(ES)	95 X 65MM
				VENTRAL-ABDOMINAL-LEFT	
				WEEK 63	
		603	87	MASS(ES)	95 X 85MM
				VENTRAL-ABDOMINAL-LEFT	
				WEEK 63	
		610	88	MASS(ES)	95 X 70MM
				VENTRAL-ABDOMINAL-LEFT	
				WEEK 63	
		617	89	MASS(ES)	100 X 80MM
	TO	733	105	VENTRAL-ABDOMINAL-LEFT	
				WEEK 63	
C92960	F2	498	72	MASS(ES)	25 X 25MM
	TO	505	73	INGUINAL REGION-LEFT	
				WEEK 72	
		512	74	MASS(ES)	40 X 40MM
	TO	519	75	INGUINAL REGION-LEFT	
				WEEK 72	
		526	76	MASS(ES)	50 X 40MM
	TO	540	78	INGUINAL REGION-LEFT	
				WEEK 72	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92960	F2	547	79	MASS(ES)	50 X 50MM
	TO	554	80	INGUINAL REGION-LEFT	
				WEEK 72	
		561	81	MASS(ES)	70 X 60MM
	TO	575	83	INGUINAL REGION-LEFT	
				WEEK 72	
		582	84	MASS(ES)	80 X 60MM
	TO	596	86	INGUINAL REGION-LEFT	
				WEEK 72	
		603	87	MASS(ES)	120 X 80MM
				INGUINAL REGION-LEFT	
				WEEK 72	
		610	88	MASS(ES)	105 X 70MM
				INGUINAL REGION-LEFT	
				WEEK 72	
		617	89	MASS(ES)	110 X 80MM
	TO	624	90	INGUINAL REGION-LEFT	
				WEEK 72	
		631	91	MASS(ES)	100 X 70MM
	TO	659	95	INGUINAL REGION-LEFT	
				WEEK 72	
		666	96	MASS(ES)	110 X 70MM
	TO	701	101	INGUINAL REGION-LEFT	
				WEEK 72	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92960	F2	708	102	MASS(ES)	120 X 70MM
	TO	715	103	INGUINAL REGION-LEFT	
				WEEK 72	
		722	104	MASS(ES)	120 X 80MM
	TO	733	105	INGUINAL REGION-LEFT	
				WEEK 72	
C92961	F2	526	76	MASS(ES)	10 X 10MM
				INGUINAL REGION-LEFT	
				WEEK 76	
		533	77	MASS(ES)	20 X 20MM
	TO	554	80	INGUINAL REGION-LEFT	
				WEEK 76	
		561	81	MASS(ES)	35 X 35MM
	TO	582	84	INGUINAL REGION-LEFT	
				WEEK 76	
		589	85	MASS(ES)	50 X 40MM
	TO	596	86	INGUINAL REGION-LEFT	
				WEEK 76	
		603	87	MASS(ES)	80 X 60MM
				INGUINAL REGION-LEFT	
				WEEK 76	
		610	88	MASS(ES)	70 X 50MM
				INGUINAL REGION-LEFT	
				WEEK 76	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92961	F2	617	89	MASS(ES)	70 X 70MM
	TO	645	93	INGUINAL REGION-LEFT	
				WEEK 76	
		652	94	MASS(ES)	90 X 70MM
	TO	659	95	INGUINAL REGION-LEFT	
				WEEK 76	
		666	96	MASS(ES)	100 X 70MM
	TO	673	97	INGUINAL REGION-LEFT	
				WEEK 76	
		680	98	MASS(ES)	110 X 70MM
				INGUINAL REGION-LEFT	
				WEEK 76	
		687	99	MASS(ES)	120 X 70MM
	TO	691	99	INGUINAL REGION-LEFT	
				WEEK 76	
C92963	F2	498	72	MASS(ES)	10 X 10MM
				AXILLARY REGION-LEFT	
				WEEK 72	
		505	73	MASS(ES)	10 X 15MM
	TO	512	74	AXILLARY REGION-LEFT	
				WEEK 72	
		519	75	MASS(ES)	15 X 15MM
				AXILLARY REGION-LEFT	
				WEEK 72	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92963	F2	526	76	MASS(ES) AXILLARY REGION-LEFT WEEK 72	30 X 30MM
		533 TO 540	77 78	MASS(ES) AXILLARY REGION-LEFT WEEK 72	20 X 20MM
		547 TO 554	79 80	MASS(ES) AXILLARY REGION-LEFT WEEK 72	20 X 25MM
		561 TO 596	81 86	MASS(ES) AXILLARY REGION-LEFT WEEK 72	30 X 30MM
		603 TO 656	87 94	MASS(ES) AXILLARY REGION-LEFT WEEK 72	30 X 30MM
		519 TO 540	75 78	MASS(ES) INGUINAL REGION-RIGHT WEEK 75	10 X 10MM
		547 TO 582	79 84	MASS(ES) INGUINAL REGION-RIGHT WEEK 75	15 X 15MM
		589 TO 652	85 94	MASS(ES) INGUINAL REGION-RIGHT WEEK 75	20 X 20MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92963	F2	582	84	MASS(ES)	15 X 15MM
	TO	596	86	VENTRAL-ABDOMINAL-LEFT	
				WEEK 83	
		603	87	MASS(ES)	10 X 10MM
	TO	645	93	VENTRAL-ABDOMINAL-LEFT	
				WEEK 83	
		652	94	MASS(ES)	15 X 15MM
	TO	656	94	VENTRAL-ABDOMINAL-LEFT	
				WEEK 83	
		470	68	MASS(ES)	20 X 20MM
	TO	491	71	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 68	
		498	72	MASS(ES)	30 X 30MM
	TO	505	73	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 68	
		512	74	MASS(ES)	40 X 35MM
				VENTRAL-ABDOMINAL-RIGHT	
				WEEK 68	
		519	75	MASS(ES)	25 X 30MM
				VENTRAL-ABDOMINAL-RIGHT	
				WEEK 68	
		526	76	MASS(ES)	30 X 30MM
	TO	540	78	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 68	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92963	F2	547	79	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 68	30 X 40MM
		554 TO 575	80 TO 83	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 68	40 X 40MM
		582 TO 596	84 TO 86	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 68	50 X 50MM
		603 TO 624	87 TO 90	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 68	65 X 75MM
		631 TO 645	91 TO 93	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 68	50 X 50MM
		652 TO 656	94 TO 94	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 68	60 X 50MM
C92964	F2	582	84	MASS(ES) VENTRAL-CERVICAL WEEK 83	10 X 10MM
		589 TO 603	85 TO 87	MASS(ES) VENTRAL-CERVICAL WEEK 83	20 X 20MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92964	F2	610	88	MASS(ES)	10 X 10MM
	TO	631	91	VENTRAL-CERVICAL	
				WEEK 83	
		638	92	MASS(ES)	15 X 15MM
	TO	701	101	VENTRAL-CERVICAL	
				WEEK 83	
		708	102	MASS(ES)	20 X 20MM
				VENTRAL-CERVICAL	
				WEEK 83	
		715	103	MASS(ES)	30 X 30MM
	TO	731	105	VENTRAL-CERVICAL	
				WEEK 83	
C92965	F2	414	60	MASS(ES)	20 X 20MM
	TO	442	64	VENTRAL-ABDOMINAL	
				WEEK 60	
		449	65	MASS(ES)	30 X 30MM
	TO	463	67	VENTRAL-ABDOMINAL	
				WEEK 60	
		470	68	MASS(ES)	45 X 45MM
	TO	505	73	VENTRAL-ABDOMINAL	
				WEEK 60	
		512	74	MASS(ES)	65 X 60MM
				VENTRAL-ABDOMINAL	
				WEEK 60	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92965	F2	519	75	MASS(ES) VENTRAL-ABDOMINAL WEEK 60	45 X 50MM
		526 TO 573	76 82	MASS(ES) VENTRAL-ABDOMINAL WEEK 60	45 X 60MM
C92971	F2	463	67	MASS(ES) INGUINAL REGION-LEFT WEEK 67	35 X 35MM
		470 TO 505	68 73	MASS(ES) INGUINAL REGION-LEFT WEEK 67	50 X 50MM
		512 TO 554	74 80	MASS(ES) INGUINAL REGION-LEFT WEEK 67	70 X 60MM
		561 TO 589	81 85	MASS(ES) INGUINAL REGION-LEFT WEEK 67	95 X 80MM
		596	86	MASS(ES) INGUINAL REGION-LEFT WEEK 67	100 X 90MM
		603 TO 624	87 90	MASS(ES) INGUINAL REGION-LEFT WEEK 67	110 X 110MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92972	F2	498	72	MASS(ES)	15 X 15MM
	TO	512	74	SHOULDER-RIGHT	
				WEEK 72	
		519	75	MASS(ES)	25 X 25MM
				SHOULDER-RIGHT	
				WEEK 72	
		526	76	MASS(ES)	30 X 25MM
	TO	540	78	SHOULDER-RIGHT	
				WEEK 72	
		547	79	MASS(ES)	30 X 30MM
	TO	554	80	SHOULDER-RIGHT	
				WEEK 72	
		561	81	MASS(ES)	45 X 50MM
	TO	610	88	SHOULDER-RIGHT	
				WEEK 72	
		617	89	MASS(ES)	55 X 60MM
	TO	631	91	SHOULDER-RIGHT	
				WEEK 72	
		638	92	MASS(ES)	55 X 40MM
	TO	670	96	SHOULDER-RIGHT	
				WEEK 72	
C92975	F2	617	89	MASS(ES)	10 X 10MM
	TO	659	95	VENTRAL-ABDOMINAL	
				WEEK 89	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD / QUALIFIER	FREE-TEXT COMMENT
C92975	F2	666	96	MASS(ES) VENTRAL-ABDOMINAL WEEK 89	30 X 30MM
		673	97	MASS(ES) VENTRAL-ABDOMINAL WEEK 89	40 X 35MM
		680 TO 701	98 TO 101	MASS(ES) VENTRAL-ABDOMINAL WEEK 89	60 X 40MM
		708 TO 715	102 TO 103	MASS(ES) VENTRAL-ABDOMINAL WEEK 89	60 X 50MM
		722 TO 733	104 TO 105	MASS(ES) VENTRAL-ABDOMINAL WEEK 89	70 X 70MM
		323	47	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 47	15 X 10MM
C92976	F2	575 TO 596	83 TO 86	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 83	10 X 10MM
		603	87	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 83	35 X 25MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92976	F2	610	88	MASS(ES)	20 X 25MM POSTERIOR
	TO	631	91	VENTRAL-ABDOMINAL-LEFT	
				WEEK 83	
		638	92	MASS(ES)	35 X 20MM POSTERIOR
	TO	645	93	VENTRAL-ABDOMINAL-LEFT	
				WEEK 83	
		652	94	MASS(ES)	40 X 20MM POSTERIOR
	TO	666	96	VENTRAL-ABDOMINAL-LEFT	
				WEEK 83	
		673	97	MASS(ES)	40 X 30MM POSTERIOR
	TO	701	101	VENTRAL-ABDOMINAL-LEFT	
				WEEK 83	
		708	102	MASS(ES)	50 X 50MM
	TO	712	102	VENTRAL-ABDOMINAL-LEFT	TWO MASSES APPEAR TO HAVE GROWN TOGETHER
				WEEK 83	
		610	88	MASS(ES)	20 X 20MM
	TO	631	91	VENTRAL-ABDOMINAL-LEFT	
				WEEK 88	
		638	92	MASS(ES)	25 X 20MM
	TO	701	101	VENTRAL-ABDOMINAL-LEFT	
				WEEK 88	
C92979	F2	561	81	MASS(ES)	10 X 10MM
				AXILLARY REGION-RIGHT	
				WEEK 80	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92979	F2	568	82	MASS(ES)	20 X 20MM
	TO	575	83	AXILLARY REGION-RIGHT	
				WEEK 80	
		582	84	MASS(ES)	25 X 30MM
	TO	589	85	AXILLARY REGION-RIGHT	
				WEEK 80	
		596	86	MASS(ES)	25 X 35MM
				AXILLARY REGION-RIGHT	
				WEEK 80	
		603	87	MASS(ES)	30 X 30MM
				AXILLARY REGION-RIGHT	
				WEEK 80	
		610	88	MASS(ES)	40 X 35MM
	TO	622	89	AXILLARY REGION-RIGHT	
				WEEK 80	
C92980	F2	281	41	MASS(ES)	10 X 10MM
				AXILLARY REGION-LEFT	
				WEEK 38	
		288	42	MASS(ES)	15 X 20MM
				AXILLARY REGION-LEFT	
				WEEK 38	
		295	43	MASS(ES)	20 X 20MM
	TO	316	46	AXILLARY REGION-LEFT	
				WEEK 38	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92980	F2	323	47	MASS(ES)	20 X 25MM
		TO 344	50	AXILLARY REGION-LEFT	
				WEEK 38	
		351	51	MASS(ES)	20 X 30MM
				AXILLARY REGION-LEFT	
				WEEK 38	
		358	52	MASS(ES)	30 X 30MM
				AXILLARY REGION-LEFT	
				WEEK 38	
		365	53	MASS(ES)	35 X 40MM
		TO 379	55	AXILLARY REGION-LEFT	
				WEEK 38	
		386	56	MASS(ES)	25 X 30MM
		TO 393	57	AXILLARY REGION-LEFT	
				WEEK 38	
		400	58	MASS(ES)	20 X 25MM
		TO 421	61	AXILLARY REGION-LEFT	
				WEEK 38	
		428	62	MASS(ES)	30 X 25MM
		TO 435	63	AXILLARY REGION-LEFT	
				WEEK 38	
		393	57	MASS(ES)	40 X 40MM
		TO 407	59	LIMB-HIND-RIGHT	
				WEEK 55	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92980	F2	414	60	MASS(ES)	50 X 45MM
	TO	421	61	LIMB-HIND-RIGHT	
				WEEK 55	
		428	62	MASS(ES)	60 X 55MM
	TO	435	63	LIMB-HIND-RIGHT	
				WEEK 55	
C92983	F2	652	94	MASS(ES)	30 X 20MM
	TO	680	98	INGUINAL REGION-LEFT	
				WEEK 94	
		687	99	MASS(ES)	40 X 30MM
				INGUINAL REGION-LEFT	
				WEEK 94	
		694	100	MASS(ES)	40 X 45MM
				INGUINAL REGION-LEFT	
				WEEK 94	
		701	101	MASS(ES)	45 X 30MM
				INGUINAL REGION-LEFT	
				WEEK 94	
		708	102	MASS(ES)	45 X 50MM
	TO	731	105	INGUINAL REGION-LEFT	
				WEEK 94	
C92984	F2	645	93	MASS(ES)	10 X 10MM
	TO	673	97	AXILLARY REGION-LEFT	
				WEEK 93	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92984	F2	680	98	MASS(ES)	20 X 15MM
	TO	694	100	AXILLARY REGION-LEFT	
				WEEK 93	
		701	101	MASS(ES)	15 X 10MM
	TO	732	105	AXILLARY REGION-LEFT	
				WEEK 93	
		568	82	MASS(ES)	10 X 10MM
	TO	575	83	INGUINAL REGION-RIGHT	
				WEEK 75	
		582	84	MASS(ES)	15 X 15MM
				INGUINAL REGION-RIGHT	
				WEEK 75	
		589	85	MASS(ES)	20 X 20MM
	TO	603	87	INGUINAL REGION-RIGHT	
				WEEK 75	
		610	88	MASS(ES)	25 X 25MM
				INGUINAL REGION-RIGHT	
				WEEK 75	
		617	89	MASS(ES)	45 X 25MM
	TO	645	93	INGUINAL REGION-RIGHT	
				WEEK 75	
		652	94	MASS(ES)	50 X 30MM
	TO	687	99	INGUINAL REGION-RIGHT	
				WEEK 75	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92984	F2	694	100	MASS(ES)	50 X 40MM
	TO	732	105	INGUINAL REGION-RIGHT	
				WEEK 75	
		414	60	MASS(ES)	10 X 10MM
	TO	456	66	VENTRAL-ABDOMINAL	
				WEEK 60	
		722	104	MASS(ES)	10 X 10MM
				VENTRAL-ABDOMINAL	
				WEEK 104	
		729	105	MASS(ES)	15 X 15MM
	TO	732	105	VENTRAL-ABDOMINAL	
				WEEK 104	
		533	77	MASS(ES)	15 X 15MM
	TO	575	83	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 75	
		582	84	MASS(ES)	20 X 25MM
	TO	603	87	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 75	
		610	88	MASS(ES)	25 X 30MM
				VENTRAL-ABDOMINAL-RIGHT	
				WEEK 75	
		617	89	MASS(ES)	45 X 30MM
	TO	680	98	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 75	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92984	F2	687	99	MASS(ES)	50 X 40MM
	TO	732	105	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 75	
C92985	F2	526	76	MASS(ES)	15 X 15MM
	TO	540	78	AXILLARY REGION-RIGHT	
				WEEK 76	
		547	79	MASS(ES)	20 X 20MM
				AXILLARY REGION-RIGHT	
				WEEK 76	
		554	80	MASS(ES)	25 X 25MM
				AXILLARY REGION-RIGHT	
				WEEK 76	
		561	81	MASS(ES)	45 X 35MM
	TO	582	84	AXILLARY REGION-RIGHT	
				WEEK 76	
		589	85	MASS(ES)	50 X 50MM
	TO	596	86	AXILLARY REGION-RIGHT	
				WEEK 76	
		603	87	MASS(ES)	65 X 65MM
	TO	638	92	AXILLARY REGION-RIGHT	
				WEEK 76	
		645	93	MASS(ES)	80 X 65MM
	TO	659	95	AXILLARY REGION-RIGHT	
				WEEK 76	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92985	F2	666	96	MASS(ES)	80 X 80MM
	TO	680	98	AXILLARY REGION-RIGHT	
				WEEK 76	
		666	96	MASS(ES)	25 X 25MM
	TO	680	98	INGUINAL REGION-RIGHT	
				WEEK 96	
		568	82	MASS(ES)	10 X 10MM
				VENTRAL-ABDOMINAL-LEFT	
				WEEK 82	
		575	83	MASS(ES)	15 X 15MM
	TO	582	84	VENTRAL-ABDOMINAL-LEFT	
				WEEK 82	
		589	85	MASS(ES)	20 X 20MM
	TO	603	87	VENTRAL-ABDOMINAL-LEFT	
				WEEK 82	
		610	88	MASS(ES)	25 X 25MM
				VENTRAL-ABDOMINAL-LEFT	
				WEEK 82	
		617	89	MASS(ES)	30 X 30MM
	TO	624	90	VENTRAL-ABDOMINAL-LEFT	
				WEEK 82	
		631	91	MASS(ES)	20 X 20MM
	TO	680	98	VENTRAL-ABDOMINAL-LEFT	
				WEEK 82	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92985	F2	659	95	MASS(ES)	15 X 15MM
	TO	673	97	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 95	
		680	98	MASS(ES)	20 X 20MM
	TO	680	98	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 95	
		659	95	MASS(ES)	10 X 10MM
	TO	680	98	VENTRAL-THORACIC-LEFT	
				WEEK 95	
C92986	F2	589	85	MASS(ES)	40 X 25MM
	TO	610	88	INGUINAL REGION-LEFT	
				WEEK 85	
		617	89	MASS(ES)	50 X 40MM
	TO	638	92	INGUINAL REGION-LEFT	
				WEEK 85	
		645	93	MASS(ES)	55 X 45MM
				INGUINAL REGION-LEFT	
				WEEK 85	
		652	94	MASS(ES)	60 X 50MM
	TO	673	97	INGUINAL REGION-LEFT	
				WEEK 85	
		680	98	MASS(ES)	70 X 60MM
	TO	733	105	INGUINAL REGION-LEFT	
				WEEK 85	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92986	F2	526	76	MASS(ES)	10 X 10MM
	TO	554	80	INGUINAL REGION-RIGHT	
				WEEK 76	
		694	100	MASS(ES)	20 X 20MM
	TO	715	103	INGUINAL REGION-RIGHT	
				WEEK 100	
C92990	F2	505	73	MASS(ES)	10 X 10MM
	TO	512	74	AXILLARY REGION-LEFT	
				WEEK 73	
		519	75	MASS(ES)	20 X 10MM
				AXILLARY REGION-LEFT	
				WEEK 73	
		526	76	MASS(ES)	20 X 15MM
				AXILLARY REGION-LEFT	
				WEEK 73	
		533	77	MASS(ES)	30 X 25MM
	TO	547	79	AXILLARY REGION-LEFT	
				WEEK 73	
		554	80	MASS(ES)	35 X 30MM
				AXILLARY REGION-LEFT	
				WEEK 73	
		561	81	MASS(ES)	40 X 40MM
	TO	568	82	AXILLARY REGION-LEFT	
				WEEK 73	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92990	F2	575	83	MASS(ES) AXILLARY REGION-LEFT WEEK 73	50 X 30MM
		582 TO 596	84 86	MASS(ES) AXILLARY REGION-LEFT WEEK 73	50 X 35MM
		603	87	MASS(ES) AXILLARY REGION-LEFT WEEK 73	65 X 50MM
		610	88	MASS(ES) AXILLARY REGION-LEFT WEEK 73	50 X 45MM
		617 TO 653	89 94	MASS(ES) AXILLARY REGION-LEFT WEEK 73	65 X 55MM
		435 TO 456	63 66	MASS(ES) VENTRAL-ABDOMINAL WEEK 63	10 X 10MM
		617 TO 624	89 90	MASS(ES) VENTRAL-CERVICAL-RIGHT WEEK 89	35 X 35MM
		631	91	MASS(ES) VENTRAL-CERVICAL-RIGHT WEEK 89	35 X 60MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92990	F2	638	92	MASS(ES)	50 X 60MM
	TO	645	93	VENTRAL-CERVICAL-RIGHT	
				WEEK 89	
		652	94	MASS(ES)	50 X 90MM
	TO	653	94	VENTRAL-CERVICAL-RIGHT	
				WEEK 89	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92991	T	103	APPEARANCE	
			MALOCCLUSION	407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673 680, 687, 694, 701, 708, 715, 719
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-RIGHT	547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631 638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715, 719
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 337, 344, 351, 358
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 44	302C, 309C, 316C, 323C, 330C
			AXILLARY REGION-RIGHT	
			WEEK 53	365, 372, 379, 386, 393, 400, 407
C92992	M	84	EXCRETION	
			FEW FECES	578
			EYES	
			SQUINTED	
			PERI-ORBITAL-RIGHT	578, 582-583

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER	GROUP: F3 DOSE: 2 PPM DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92992	M	84	SKIN & PELAGE	
			SORE/SCAB	
			DORSAL-CERVICAL	547, 554, 561, 568, 575, 578
			DORSAL-THORACIC-RIGHT	505
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 78	540C, 547C, 554C, 561C, 568C, 575C, 578C, 582-583C
			DORSAL	
			WEEK 76	526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 578C, 582-583C
			INGUINAL REGION-LEFT	
			WEEK 46	316C, 323C, 330C, 337C, 344C, 351C, 358C, 365C, 372C, 379C, 386C 393C, 400C, 407C, 414C, 421C
			WEEK 81	561C, 568C, 575C, 578C, 582-583C
			INGUINAL REGION-RIGHT	
			WEEK 76	526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 578C, 582-583C
			VENTRAL-CERVICAL	
			WEEK 79	547C, 554C, 561C, 568C, 575C, 578C, 582-583C
			VENTRAL-THORACIC	
			WEEK 62	428C, 435C, 442C, 449C, 456C, 463C, 470C, 477C, 484C, 491C, 498C 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C 578C, 582-583C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92993	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C92994	M	82	APPEARANCE	
			MALOCCLUSION	141
			MISSING	
			TEETH	134
			THIN	568, 572
			EXCRETION	
			NO FECES	572
			EYES	
			DISCOLORED/LIGHT RED	
			EYE-LEFT	519, 526, 547, 554, 561, 568, 572
			RED DISCHARGE	
			EYE-LEFT	498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 572
			RESPIRATION	
			AUDIBLE	260
			SKIN & PELAGE	
			YELLOW HAIR COAT	572
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211 218, 225, 232, 239, 246, 253, 267, 274, 281, 288, 295, 302, 309 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C92995	M	9	APPEARANCE	
			MISSING	
			TAIL-DISTAL	32, 36, 43, 50, 57, 59
			SWOLLEN	
			TAIL-DISTAL	32, 36, 43, 50, 57, 59
			SKIN & PELAGE	
			PALE	
			ENTIRE BODY	57, 59
			SORE/SCAB	
			TAIL	29, 32, 36, 43, 50, 57, 59
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22
C92996	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22
C92997	M	83	BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	575
			RECUMBENT	
			LATERAL	575
			EYES	
			RED DISCHARGE	
			EYES	575
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	519, 526, 533, 540, 547, 554, 561, 568

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92997	M	83	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 400, 407, 414, 421, 428, 435 442, 449, 456, 463, 470, 477, 484, 491, 498
			MASS(ES)	
			INGUINAL REGION-LEFT	
			WEEK 73	505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 50	344, 351, 358, 365, 372, 379, 386, 393
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 74	512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C
			VENTRAL-CERVICAL	
			WEEK 76	526C, 533C, 540C, 547C, 554C, 561C, 568C
C92998	M	46	APPEARANCE	
			THIN	288, 295, 302, 309, 316
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	316
			HYPOACTIVE	
			<UNSPECIFIED>	295, 302, 309, 316
			MILD	274
			EYES	
			SQUINTED	
			PERI-ORBITAL	316

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92998	M	46	RESPIRATION	
			AUDIBLE	274
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	274, 281, 288
			YELLOW HAIR COAT	316
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267
C92999	D	92	APPEARANCE	
			HEAD TILT	
			LEFT	561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 643
			MALOCCLUSION	631
			THIN	596, 603, 610, 617, 624, 631, 638, 643
			EYES	
			CLEAR DISCHARGE	
			EYE-RIGHT	547, 554
			PROTRUDING	
			EYES	505, 512, 519
			OTHER	400C, 407C, 414C
			SKIN & PELAGE	
			RED SKIN	
			EARS	547, 554
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C92999	D	92	NORMAL	
			NO REMARKABLE OBSERVATIONS	113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 79	547, 554, 561
			AXILLARY REGION-RIGHT	
			WEEK 56	386, 393, 400, 407, 414, 421
			VENTRAL-ABDOMINAL	
			WEEK 59	407C, 414C, 421C, 428C, 435C, 442C, 449C, 456C, 463C, 470C, 477C 484C, 491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C 561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C 638C, 643C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 76	526C, 533C, 540C, 547C, 554C, 561C, 568C
			VENTRAL-CERVICAL	
			WEEK 79	547C, 554C, 561C, 568C
C93000	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C93001	M	84	APPEARANCE	
			HEAD TILT	
			RIGHT	575, 582, 584
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	584

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93001	M	84	EXCRETION	
			FEW FECES	584
			EYES	
			RED DISCHARGE	
			EYES	584
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	575
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519
			MASS(ES)	
			INGUINAL REGION-LEFT	
			WEEK 82	568C, 575C, 582C, 584C
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 76	526, 533, 540C, 547C, 554C, 561C, 568C, 575C, 582C, 584C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93002	M	81	APPEARANCE	
			THIN	561
			DISCHARGE	
			NASAL	
			RED IN COLOR	547
			EYES	
			RED DISCHARGE	
			EYES	526, 533, 561
			RESPIRATION	
			IRREGULAR	561
			LABORED	561
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	561
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 70	484C, 491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C 561C
			AXILLARY REGION-RIGHT	
			WEEK 58	400, 407, 414, 421

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93002	M	81	MASS(ES)	
			INGUINAL REGION-LEFT	
			WEEK 48	330C, 337C, 344C, 351C, 358C, 365C, 372C, 379C
			INGUINAL REGION-RIGHT	
			WEEK 56	386C, 393C, 400C, 407C, 414C, 421C, 428C, 435C, 442C, 449C, 456C 463C, 470C, 477C, 484C, 491C, 498C, 505C, 512C, 519C, 526C, 533C 540C, 547C, 554C, 561C
			VENTRAL-ABDOMINAL	
			WEEK 54	372C, 379C, 386C, 393C
C93003	T	103	APPEARANCE	
			MALOCCLUSION	85, 92, 99, 106, 113, 120, 127, 129, 134, 141, 148, 155, 162 169, 176, 183, 190, 197, 204, 211, 218, 225, 232, 239, 246, 253 260, 267, 274, 281, 288, 295, 302, 309, 316, 323, 330, 337, 344 351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435 442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617 624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708 715, 719
			EXCRETION	
			FEW FECES	129
			SKIN & PELAGE	
			SORE/SCAB	
			AXILLARY REGION-LEFT	687, 694, 701, 708, 715, 719
			YELLOW HAIR COAT	715, 719
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93003	T	103	MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 56	386C, 393C, 400C, 407C, 414C, 421C, 428C, 435C, 442C, 449C, 456C 463C, 470C, 477C, 484C, 491C, 498C, 505C, 512C, 519C, 526C, 533C 540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C 617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C, 673C, 680C, 687C 694C, 701C, 708C, 715C, 719C
C93004	M	75	BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	520
			HYPOACTIVE	
			<UNSPECIFIED>	520
			EXCRETION	
			FEW FECES	507, 512
			EYES	
			SQUINTED	
			PERI-ORBITAL-RIGHT	505, 507, 512, 519-520
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93005	M	90	APPEARANCE	
			THIN	575, 582, 589, 596, 603, 610, 617, 624, 630
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	630
			HYPOACTIVE	
			<UNSPECIFIED>	630
			EXCRETION	
			FEW FECES	575, 630
			EYES	
			RED DISCHARGE	
			EYE-LEFT	540, 547, 554, 561, 568, 575
			EYES	630
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	470, 477, 484, 547, 554, 561, 568
			HEAD-CRANIAL	393, 400, 407
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 51	351, 358, 365, 372, 379, 386, 393, 400C, 407C, 414C, 421C, 428C 435C, 442C, 449C, 456C, 463C, 470C, 477C, 484C, 491C, 498C, 505C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93005	M	90	MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 51	512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C 589C, 596C, 603C, 610C, 617C, 624C, 630C
			INGUINAL REGION-RIGHT	
			WEEK 79	547C, 554C, 561C, 568C
C93006	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22
C93007	T	103	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 561, 568 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659 666, 673, 680, 687, 694, 701, 708, 715, 719
			WART LIKE LESION(S)	
			TAIL	
			WEEK 80	554
C93008	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93009	M	92	APPEARANCE	
			MALOCCLUSION	631, 638, 642
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	642
			EYES	
			DISCOLORED/LIGHT RED	
			EYE-LEFT	642
			SCAB	
			EYE-LEFT	642
			SQUINTED	
			PERI-ORBITAL-RIGHT	642
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 533, 540
			MASS(ES)	
			HEAD-MAXILLARY-LEFT	
			WEEK 91	631C, 638C, 642C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 76	526
			WEEK 79	547, 554, 561C, 568C, 575C, 582C, 589C, 596C, 603C, 610, 617 624, 631C, 638C, 642C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER	GROUP: F3 DOSE: 2 PPM DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93010	M	91	APPEARANCE	
			HEAD TILT	
			RIGHT	631
			THIN	631
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	631
			EXCRETION	
			FEW FECES	617, 624
			EYES	
			RED DISCHARGE	
			EYES	624, 631
			SKIN & PELAGE	
			BROWN HAIR COAT	
			PERINEAL AREA	624, 631
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93011	T	103	SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	519, 526, 533, 540
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 547, 554, 561, 568, 575, 582, 589 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680 687, 694, 701, 708, 715, 719
C93012	M	81	APPEARANCE	
			THIN	505, 512, 519, 526, 533, 540, 547, 554, 561
			EYES	
			CLEAR DISCHARGE	
			EYE-LEFT	519, 526
			SKIN & PELAGE	
			BLACK SKIN	
			VENTRAL-THORACIC-LEFT	547, 554, 561
			SORE/SCAB	
			DORSAL-CERVICAL-RIGHT	15
			HEAD-MAXILLARY-RIGHT	15
			VENTRAL-THORACIC-LEFT	547, 554, 561
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93012	M	81	NORMAL	
			NO REMARKABLE OBSERVATIONS	211, 218, 225, 232, 239, 246
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 37	253C, 260C, 267C, 274C, 281C, 288C, 295C, 302C, 309C, 316C, 323C, 330C, 337C, 344C, 351C, 358C, 365C, 372C, 379C, 386C, 393C, 400C, 407C, 414C, 421C, 428C, 435C, 442C, 449C, 456C, 463C, 470C, 477C, 484C, 491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C
			INGUINAL REGION-RIGHT	
			WEEK 61	421C, 428C, 435C, 442C, 449C, 456C, 463C, 470C, 477C
C93013	M	86	APPEARANCE	
			THIN	589, 596
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	547, 554, 561, 596
			HYPOACTIVE	
			<UNSPECIFIED>	547, 554, 561, 596
			DISCHARGE	
			NASAL	
			RED IN COLOR	547, 554
			EYES	
			RED DISCHARGE	
			EYE-RIGHT	547, 554, 561, 568
			EYES	575, 596

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93013	M	86	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 582
C93014	M	76	APPEARANCE	
			HEAD TILT	
			LEFT	528, 530
			HUNCHED	530
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	528, 530
			EXCRETION	
			FEW FECES	528
			NO FECES	530
			EYES	
			RED DISCHARGE	
			EYES	519, 526, 528, 530
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93014	M	76	MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 73	505C, 512C, 519C, 526C, 528C, 530C
			INGUINAL REGION-LEFT	
			WEEK 72	498C, 505C, 512C, 519C, 526C, 528C, 530C
C93015	M	102	APPEARANCE	
			SWOLLEN	
			VAGINA	666
			THIN	680, 687
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	712
			DISCHARGE	
			GENITAL	
			RED IN COLOR	470
			EXCRETION	
			NO FECES	712
			EYES	
			RED DISCHARGE	
			EYES	712
			SKIN & PELAGE	
			RED HAIR COAT	
			DORSAL-CERVICAL	547, 554
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93015	M	102	NORMAL	
			NO REMARKABLE OBSERVATIONS	113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 561, 568, 575 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659
			MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 97	673C, 680C, 687C, 694C, 701C, 708C, 712C
C93016	D	82	APPEARANCE	
			HEAD TILT	
			RIGHT	504-505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 571
			MALOCCLUSION	64, 71, 78, 85, 99, 106, 113, 120, 127, 134, 141, 148, 155, 162 169, 176, 183, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274 281, 288, 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456 463, 470, 477, 484, 491, 498, 504-505, 512, 519, 526, 533, 540 547, 554, 561, 568, 571
			MISSING	
			TEETH	442, 449, 456, 463, 470, 477, 484, 491, 498, 504-505, 512, 519 526, 533, 540, 547, 554, 561, 568, 571
			THIN	491, 504-505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 571
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	504-505, 512, 519, 526, 533
			EXCRETION	
			FEW FECES	491, 504-505, 512, 519

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93016	D	82	SKIN & PELAGE	
			ROUGH HAIR COAT	498, 504-505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 571
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 92, 190, 197, 204
C93017	M	91	SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL-LEFT	624, 631
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 33	225C, 232C, 239C, 246C, 253C, 260C, 267C, 274C, 281C, 288C, 295C 302C, 309C, 316C, 323C, 330C, 337C, 344C, 351C, 358C, 365C, 372C 379C, 386C, 393C, 400C, 407C, 414C, 421C, 428C, 435C, 442C, 449C 456C, 463C, 470C, 477C, 484C, 491C, 498C, 505C, 512C, 519C, 526C 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C, 596C, 603C 610C, 617C, 624C, 631C
C93018	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93019	M	45	APPEARANCE	
			HUNCHED	309
			EXCRETION	
			NO FECES	309
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	302, 309
			YELLOW HAIR COAT	309
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288
			MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 43	295C, 302C
C93020	D	66	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 461

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93021	M	63	APPEARANCE	
			HEAD TILT	
			RIGHT	400, 407, 414, 421, 428, 435
			THIN	421, 428, 435
			SKIN & PELAGE	
			RED HAIR COAT	
			VENTRAL-ABDOMINAL	421, 428
			ROUGH HAIR COAT	421, 428, 435
			YELLOW HAIR COAT	435
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 51	351C, 358C, 365C, 372C, 379C, 386C, 393C
C93022	T	103	SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-CRANIAL	519, 526, 533, 540, 547, 554
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 561, 568, 575, 582, 589, 596

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93022	T	103	MASS(ES)	
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 87	603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C, 673C 680C, 687C, 694C, 701C, 708C, 715C, 719C
C93023	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C93024	M	86	APPEARANCE	
			HUNCHED	598
			THIN	596, 598
			EXCRETION	
			FEW FECES	598
			EYES	
			RED DISCHARGE	
			EYE-LEFT	561, 568
			EYES	589, 596, 598
			RESPIRATION	
			IRREGULAR	598
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	554
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93024	M	86	NORMAL	
			NO REMARKABLE OBSERVATIONS	386, 393, 400, 407, 414
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 61	421C, 428C, 435C, 442C, 449C, 456C, 463C, 470C, 477C, 484C, 491C 498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C 575C, 582C, 589C, 596C, 598C
C93025	D	101	APPEARANCE	
			MALOCCLUSION	71
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 78, 85, 92, 99, 106, 113 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659 666, 673, 680, 687, 694, 701, 704
C93026	M	103	APPEARANCE	
			MALOCCLUSION	92, 99, 106, 113, 120, 127, 134, 141, 148, 155, 162, 169, 176 183, 190, 197, 204, 211, 218, 225, 232, 239, 246, 253, 260, 267 274, 281, 288, 295, 302, 309, 316, 323, 330, 337, 344, 351, 358 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442, 449 456, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533, 540 547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631 638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715
			THIN	715

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93026	M	103	EYES	
			CLEAR DISCHARGE	
			EYES	400, 687
			PALE	
			EYES	715
			RED DISCHARGE	
			EYES	407
			SKIN & PELAGE	
			BLUE SKIN	
			VENTRAL-THORACIC-LEFT	701, 708, 715
			SORE/SCAB	
			VENTRAL-THORACIC-LEFT	715
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 92	638C, 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C 715C
C93027	M	91	APPEARANCE	
			THIN	631
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	631
			EXCRETION	
			FEW FECES	617, 624

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93027	M	91	EYES	
			RED DISCHARGE	
			EYES	624, 631
			SKIN & PELAGE	
			ROUGH HAIR COAT	631
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 568, 575, 582 589, 596, 603, 610
			MASS(ES)	
			INGUINAL REGION-RIGHT	
			WEEK 79	547C, 554C, 561C
C93028	M	92	APPEARANCE	
			THIN	638
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	638
			EXCRETION	
			FEW FECES	633

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93028	M	92	EYES	
			RED DISCHARGE	
			EYE-LEFT	631, 633
			EYES	638
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603
			MASS(ES)	
			INGUINAL REGION-RIGHT	
			WEEK 88	610, 617C, 624C, 631C, 633C, 638C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 91	631C, 633C, 638C
C93029	M	72	APPEARANCE	
			HEAD TILT	
			LEFT	500
			SWOLLEN	
			PAW-HIND-RIGHT	499
			THIN	498-500
			BEHAVIOR	
			HYPOACTIVE	
			MODERATE	499
			SEVERE	500

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93029	M	72	EXCRETION	
			FEW FECES	498-499
			NO FECES	500
			SKIN & PELAGE	
			ROUGH HAIR COAT	498-500
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358
			MASS(ES)	
			VENTRAL-CERVICAL	
			WEEK 33	400C, 407C, 414C, 421C, 428C, 435C, 442C, 449C, 456C, 463C, 470C 477C, 484C, 491C, 498-500C
			WEEK 53	365C, 372C, 379C, 386C, 393C
C93030	M	96	BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	670
			EXCRETION	
			FEW FECES	670
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-LEFT	617, 624, 631, 638, 645, 652, 659, 666, 670
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93030	M	96	NORMAL	
			NO REMARKABLE OBSERVATIONS	113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610
C93031	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22
C93032	M	80	APPEARANCE	
			HUNCHED	554, 556
			THIN	547, 554, 556
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	547, 554, 556
			HYPOACTIVE	
			<UNSPECIFIED>	547, 554, 556
			DISCHARGE	
			NASAL	
			RED IN COLOR	547
			EXCRETION	
			FEW FECES	526, 533, 540, 556
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93032	M	80	NORMAL	
			NO REMARKABLE OBSERVATIONS	295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505
			WART LIKE LESION(S)	
			VENTRAL-ABDOMINAL	
			WEEK 74	512C, 519C, 526C
C93033	M	66	APPEARANCE	
			HEAD TILT	
			RIGHT	365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456
			HUNCHED	456
			MALOCCLUSION	358
			THIN	456
			DISCHARGE	
			CLEAR ORAL	
			<UNSPECIFIED>	414
			MODERATE	456
			EXCRETION	
			FEW FECES	456
			RESPIRATION	
			AUDIBLE	414
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	288, 295

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93033	M	66	SKIN & PELAGE	
			SORE/SCAB	
			DORSAL-CERVICAL	379
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 45	309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393 400, 407, 414, 421, 428, 435C, 442C, 449C, 456C
			AXILLARY REGION-RIGHT	
			WEEK 45	309, 316, 323
			INGUINAL REGION-LEFT	
			WEEK 43	295C, 302C, 309C, 316C, 323C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 40	274, 281, 288, 295, 302, 309, 316, 323C, 330C, 337C, 344C, 351C 358C, 365C, 372C, 379C, 386C, 393C, 400C, 407C
C93034	D	83	SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL-LEFT	526, 533, 540, 547, 554, 561, 568, 575
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 323, 330, 337, 344, 351, 358, 386, 393, 400, 407, 414, 421, 428 435

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93034	D	83	MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 72	498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C 575C
			AXILLARY REGION-RIGHT	
			WEEK 73	505, 512, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C
			INGUINAL REGION-LEFT	
			WEEK 73	505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C
			INGUINAL REGION-RIGHT	
			WEEK 43	295C, 302C, 309C, 316C
			WEEK 73	505, 512, 519, 526, 533, 540, 547C, 554C, 561, 568, 575
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 64	442C, 449C, 456C, 463C, 470C, 477C, 484C, 491C, 498C, 505C, 512C 519C, 526C, 533C, 540C, 547C, 554C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 76	526C, 533C, 540C, 547C, 554C
			VENTRAL-CERVICAL	
			WEEK 53	365C, 372C, 379C
C93035	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C93036	D	85	APPEARANCE	
			CONVULSIONS	592
			OBES	526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 592
			TREMORS	
			ENTIRE BODY	592
			BEHAVIOR	
			RECUMBENT	
			DORSAL	592

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93036	D	85	RESPIRATION	
			AUDIBLE	592
			IRREGULAR	592
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 83	575C, 582C, 589C, 592C
C93037	M	66	APPEARANCE	
			HEAD TILT	
			LEFT	459
			MALOCCLUSION	456, 459
			BEHAVIOR	
			CIRCLING	
			LEFT	459
			HYPOACTIVE	
			<UNSPECIFIED>	459
			EXCRETION	
			FEW FECES	456
			NO FECES	459

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93037	M	66	EYES	
			RED DISCHARGE	
			EYE-LEFT	449
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 435
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 58	400, 407, 414, 421, 428C
			VENTRAL-CERVICAL-LEFT	
			WEEK 64	442, 449, 456, 459
C93038	M	71	SKIN & PELAGE	
			SORE/SCAB	
			HEAD-CRANIAL	29, 36, 43, 50, 57, 64, 71, 78
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 85, 92, 99, 106, 113, 120, 127, 134, 141, 148, 155 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232, 239, 246 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323, 330, 337 344, 351, 358
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 53	365, 372, 379C, 386C, 393C, 400C, 407C, 414C, 421C, 428C, 435C 442C, 449C, 456C, 463C, 470C, 477C, 484C, 491C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93038	M	71	WART LIKE LESION(S)	
			DORSAL-CERVICAL	
			WEEK 7	43
C93039	T	103	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 75	519, 526
			INGUINAL REGION-LEFT	
			WEEK 66	456C, 463C, 470C, 477C, 484C, 491C, 498C, 505C, 512C, 519C, 526C 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C, 596C, 603C 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C, 673C, 680C 687C, 694C, 701C, 708C, 715C, 719C
C93040	T	103	APPEARANCE	
			THIN	715, 719
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	715, 719
			SKIN & PELAGE	
			ROUGH HAIR COAT	701, 708, 715, 719
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93040	T	103	NORMAL	
			NO REMARKABLE OBSERVATIONS	113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 76	526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C, 596C 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C, 673C 680C, 687C, 694C, 701C, 708C, 715C, 719C
C93041	M	83	APPEARANCE	
			HEAD TILT	
			LEFT	575
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	575
			HYPOACTIVE	
			<UNSPECIFIED>	575
			EXCRETION	
			FEW FECES	575
			SKIN & PELAGE	
			RED HAIR COAT	
			LATERA-RIGHT	561, 568, 575
			LATERAL-THORACIC-LEFT	561, 568, 575

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93041	M	83	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 428, 435, 442 449, 456, 463, 470, 477, 484, 491, 498
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 73	505, 512, 519, 526, 533, 540C, 547C, 554C, 561C, 568C, 575C
			AXILLARY REGION-RIGHT	
			WEEK 76	526, 533, 540, 547
			WEEK 82	568, 575
			VENTRAL-ABDOMINAL	
			WEEK 53	365C, 372C, 379C, 386C, 393C, 400C, 407C, 414C, 421C
C93042	M	95	APPEARANCE	
			SWOLLEN	
			PAW-HIND-LEFT	603, 610, 617, 624, 631, 638, 645, 652
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	665
			RESPIRATION	
			AUDIBLE	665
			SKIN & PELAGE	
			SORE/SCAB	
			AXILLARY REGION-LEFT	610, 617, 624, 631, 638, 645, 652, 659, 665
			PAW-HIND-LEFT	505, 512, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645 652, 659

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER	GROUP: F3 DOSE: 2 PPM DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93042	M	95	SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-RIGHT	386, 393
			PAWS-HIND	519, 526, 533, 540, 547, 554, 561, 568
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484 491, 498
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 82	568, 575, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C 645C, 652C, 659C, 665C
			DORSAL	
			WEEK 92	638C, 645C, 652C, 659C, 665C
			INGUINAL REGION-LEFT	
			WEEK 79	547C, 554C, 561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C 624C, 631C, 638C, 645C, 652C, 659C, 665C
			INGUINAL REGION-RIGHT	
			WEEK 79	547C, 554C, 561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C 624C, 631C, 638C, 645C, 652C, 659C, 665C
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 84	582

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93043	M	97	SKIN & PELAGE	
			SORE/SCAB	
			AXILLARY REGION-LEFT	659, 666, 673
			AXILLARY REGION-RIGHT	519, 526, 533, 540, 547
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 95	659C, 666C, 673C
			AXILLARY REGION-RIGHT	
			WEEK 68	470C, 477C, 484C, 491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C 547C, 554C, 561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C 624C, 631C, 638C, 645C, 652C, 659C, 666C, 673C
			VENTRAL-ABDOMINAL	
			WEEK 83	575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C 652C, 659C, 666C, 673C
			VENTRAL-CERVICAL-LEFT	
			WEEK 73	505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C 659C, 666C, 673C
			VENTRAL-CERVICAL-RIGHT	
			WEEK 84	582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C 659C, 666C, 673C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93044	M	66	APPEARANCE	
			HEAD TILT	
			LEFT	442, 449, 456
			MALOCCLUSION	456
			THIN	449, 456
			BEHAVIOR	
			HYPOACTIVE	
			MODERATE	456
			EXCRETION	
			FEW FECES	456
			SKIN & PELAGE	
			SORE/SCAB	
			HEAD-ENTIRE	449, 456
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 428, 435
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 56	386C, 393C, 400C, 407C, 414C, 421C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93045	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22
C93046	M	80	APPEARANCE	
			PROLAPSED	
			VAGINA	554
			BEHAVIOR	
			COLD TO TOUCH	
			ENTIRE BODY	554
			DISCHARGE	
			GENITAL	
			RED IN COLOR	554
			SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-CERVICAL-LEFT	498, 505, 512, 519, 526, 533, 540, 547, 554
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393
			MASS(ES)	
			INGUINAL REGION-LEFT	
			WEEK 73	505, 512, 519C, 526C, 533C, 540C, 547C, 554C
			INGUINAL REGION-RIGHT	
			WEEK 58	400, 407C, 414C, 421C, 428C, 435C, 442C, 449C, 456C, 463C, 470C 477C, 484C, 491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93046	M	80	MASS(ES)	
			INGUINAL REGION-RIGHT	
			WEEK 58	554C
			VENTRAL-CERVICAL-LEFT	
			WEEK 64	442C, 449C, 456C, 463C, 470C, 477C, 484C, 491C, 498C, 505C, 512C 519C, 526C, 533C, 540C, 547C, 554C
C93047	T	103	APPEARANCE	
			OBES	505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680 687, 694, 701, 708, 715, 719
			SKIN & PELAGE	
			BROWN SKIN	
			VENTRAL-ABDOMINAL	701
			RED HAIR COAT	
			DORSAL-CERVICAL	547
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93048	T	103	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 719
C93049	M	70	APPEARANCE	
			HEAD TILT	
			LEFT	484
			BEHAVIOR	
			ATAXIC	
			MODERATE	484
			RECUMBENT	
			LATERAL	484
			EXCRETION	
			FEW FECES	477, 484
			NO FECES	484
			EYES	
			RED DISCHARGE	
			EYES	463, 470, 477, 484
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F3 DOSE: 2 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93049	M	70	NORMAL	
			NO REMARKABLE OBSERVATIONS	295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456
C93050	M	98	APPEARANCE	
			THIN	683
			EXCRETION	
			FEW FECES	683
			NONFORMED FECES	683
			EYES	
			RED DISCHARGE	
			EYES	683
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519
			MASS(ES)	
			INGUINAL REGION-RIGHT	
			WEEK 79	547C, 554C, 561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C 624C, 631C, 638C, 645C, 652C, 659C, 666C, 673C, 680C, 683C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 76	526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C, 596C 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C, 673C 680C, 683C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92991	F3	302	44	MASS(ES)	20 X 15MM
	TO	316	46	AXILLARY REGION-LEFT	
				WEEK 44	
		323	47	MASS(ES)	15 X 15MM
				AXILLARY REGION-LEFT	
				WEEK 44	
		330	48	MASS(ES)	10 X 10MM
				AXILLARY REGION-LEFT	
				WEEK 44	
C92992	F3	540	78	MASS(ES)	20 X 20MM
				AXILLARY REGION-LEFT	
				WEEK 78	
		547	79	MASS(ES)	30 X 30MM
	TO	561	81	AXILLARY REGION-LEFT	
				WEEK 78	
		568	82	MASS(ES)	30 X 30MM
				AXILLARY REGION-LEFT	
				WEEK 78	
		575	83	MASS(ES)	40 X 40MM
	TO	583	84	AXILLARY REGION-LEFT	
				WEEK 78	
		526	76	MASS(ES)	15 X 15MM
	TO	554	80	DORSAL	
				WEEK 76	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92992	F3	561	81	MASS(ES)	20 X 20MM
		TO 583	84	DORSAL	
				WEEK 76	
		316	46	MASS(ES)	15 X 10MM
		TO 358	52	INGUINAL REGION-LEFT	
				WEEK 46	
		365	53	MASS(ES)	30 X 30MM
		TO 386	56	INGUINAL REGION-LEFT	
				WEEK 46	
		393	57	MASS(ES)	30 X 50MM
				INGUINAL REGION-LEFT	
				WEEK 46	
		400	58	MASS(ES)	50 X 35MM
		TO 407	59	INGUINAL REGION-LEFT	
				WEEK 46	
		414	60	MASS(ES)	25 X 20MM
		TO 421	61	INGUINAL REGION-LEFT	
				WEEK 46	
		561	81	MASS(ES)	10 X 10MM
		TO 583	84	INGUINAL REGION-LEFT	
				WEEK 81	
		526	76	MASS(ES)	15 X 15MM
		TO 540	78	INGUINAL REGION-RIGHT	
				WEEK 76	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92992	F3	547	79	MASS(ES)	30 X 20MM
	TO	568	82	INGUINAL REGION-RIGHT	
				WEEK 76	
		575	83	MASS(ES)	40 X 40MM
	TO	583	84	INGUINAL REGION-RIGHT	
				WEEK 76	
		547	79	MASS(ES)	15 X 15MM
	TO	578	83	VENTRAL-CERVICAL	
				WEEK 79	
		582	84	MASS(ES)	10 X 10MM
	TO	583	84	VENTRAL-CERVICAL	
				WEEK 79	
		428	62	MASS(ES)	10 X 10MM
	TO	442	64	VENTRAL-THORACIC	
				WEEK 62	
		449	65	MASS(ES)	15 X 15MM
	TO	470	68	VENTRAL-THORACIC	
				WEEK 62	
		477	69	MASS(ES)	30 X 20MM
	TO	505	73	VENTRAL-THORACIC	
				WEEK 62	
		512	74	MASS(ES)	40 X 30MM
				VENTRAL-THORACIC	
				WEEK 62	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD / QUALIFIER	FREE-TEXT COMMENT
C92992	F3	519	75	MASS(ES) VENTRAL-THORACIC WEEK 62	40 X 20MM
		526 TO 540	76 78	MASS(ES) VENTRAL-THORACIC WEEK 62	40 X 30MM
		547 TO 554	79 80	MASS(ES) VENTRAL-THORACIC WEEK 62	30 X 20MM
		561 TO 578	81 83	MASS(ES) VENTRAL-THORACIC WEEK 62	50 X 25MM
		582 TO 583	84 84	MASS(ES) VENTRAL-THORACIC WEEK 62	30 X 30MM
C92997	F3	505 TO 568	73 82	MASS(ES) INGUINAL REGION-LEFT WEEK 73	10 X 10MM
		512 TO 575	74 83	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 74	30 X 30MM
		526 TO 568	76 82	MASS(ES) VENTRAL-CERVICAL WEEK 76	10 X 10MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92999	F3	400	58	EYES	SWOLLEN RIGHT EYELID
		TO 414	60	OTHER	
		407	59	MASS(ES)	15 X 10MM
				VENTRAL-ABDOMINAL	
				WEEK 59	
		414	60	MASS(ES)	30 X 20MM
		TO 421	61	VENTRAL-ABDOMINAL	
				WEEK 59	
		428	62	MASS(ES)	50 X 30MM
				VENTRAL-ABDOMINAL	
				WEEK 59	
		435	63	MASS(ES)	45 X 20MM
		TO 456	66	VENTRAL-ABDOMINAL	
				WEEK 59	
		463	67	MASS(ES)	50 X 30MM
		TO 477	69	VENTRAL-ABDOMINAL	
				WEEK 59	
		484	70	MASS(ES)	65 X 50MM
		TO 540	78	VENTRAL-ABDOMINAL	
				WEEK 59	
		547	79	MASS(ES)	70 X 60MM
		TO 554	80	VENTRAL-ABDOMINAL	
				WEEK 59	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C92999	F3	561	81	MASS(ES)	70 X 50MM
	TO	568	82	VENTRAL-ABDOMINAL	
				WEEK 59	
		575	83	MASS(ES)	60 X 50MM
	TO	603	87	VENTRAL-ABDOMINAL	
				WEEK 59	
		610	88	MASS(ES)	40 X 40MM
	TO	643	92	VENTRAL-ABDOMINAL	
				WEEK 59	
		526	76	MASS(ES)	10 X 10MM
	TO	568	82	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 76	
		547	79	MASS(ES)	10 X 10MM
	TO	568	82	VENTRAL-CERVICAL	
				WEEK 79	
C93001	F3	568	82	MASS(ES)	10 X 10MM
	TO	584	84	INGUINAL REGION-LEFT	
				WEEK 82	
		540	78	MASS(ES)	10 X 10MM
	TO	554	80	VENTRAL-ABDOMINAL-LEFT	
				WEEK 76	
		561	81	MASS(ES)	30 X 20MM
	TO	575	83	VENTRAL-ABDOMINAL-LEFT	
				WEEK 76	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93001	F3	582	84	MASS(ES)	30 X 30MM
	TO	584	84	VENTRAL-ABDOMINAL-LEFT	
				WEEK 76	
C93002	F3	484	70	MASS(ES)	10 X 10MM
	TO	498	72	AXILLARY REGION-LEFT	
				WEEK 70	
		505	73	MASS(ES)	15 X 15MM
	TO	512	74	AXILLARY REGION-LEFT	
				WEEK 70	
		519	75	MASS(ES)	20 X 20MM
	TO	561	81	AXILLARY REGION-LEFT	
				WEEK 70	
		330	48	MASS(ES)	20 X 20MM
	TO	337	49	INGUINAL REGION-LEFT	
				WEEK 48	
		344	50	MASS(ES)	20 X 30MM
				INGUINAL REGION-LEFT	
				WEEK 48	
		351	51	MASS(ES)	30 X 30MM
	TO	379	55	INGUINAL REGION-LEFT	
				WEEK 48	
		386	56	MASS(ES)	30 X 40MM
	TO	393	57	INGUINAL REGION-RIGHT	
				WEEK 56	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93002	F3	400	58	MASS(ES)	50 X 40MM
	TO	477	69	INGUINAL REGION-RIGHT	
				WEEK 56	
		484	70	MASS(ES)	60 X 40MM
	TO	498	72	INGUINAL REGION-RIGHT	
				WEEK 56	
		505	73	MASS(ES)	50 X 45MM
	TO	512	74	INGUINAL REGION-RIGHT	
				WEEK 56	
		519	75	MASS(ES)	50 X 50MM
	TO	554	80	INGUINAL REGION-RIGHT	
				WEEK 56	
		561	81	MASS(ES)	70 X 55MM
	TO	561	81	INGUINAL REGION-RIGHT	
				WEEK 56	
		372	54	MASS(ES)	10 X 10MM
	TO	393	57	VENTRAL-ABDOMINAL	
				WEEK 54	
C93003	F3	386	56	MASS(ES)	10 X 10MM
	TO	393	57	AXILLARY REGION-LEFT	
				WEEK 56	
		400	58	MASS(ES)	20 X 15MM
	TO	442	64	AXILLARY REGION-LEFT	
				WEEK 56	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93003	F3	449	65	MASS(ES)	30 X 30MM
	TO	498	72	AXILLARY REGION-LEFT	
				WEEK 56	
		505	73	MASS(ES)	35 X 40MM
				AXILLARY REGION-LEFT	
				WEEK 56	
		512	74	MASS(ES)	40 X 40MM
				AXILLARY REGION-LEFT	
				WEEK 56	
		519	75	MASS(ES)	40 X 50MM
				AXILLARY REGION-LEFT	
				WEEK 56	
		526	76	MASS(ES)	50 X 55MM
	TO	540	78	AXILLARY REGION-LEFT	
				WEEK 56	
		547	79	MASS(ES)	55 X 70MM
	TO	589	85	AXILLARY REGION-LEFT	
				WEEK 56	
		596	86	MASS(ES)	70 X 70MM
				AXILLARY REGION-LEFT	
				WEEK 56	
		603	87	MASS(ES)	80 X 70MM
	TO	638	92	AXILLARY REGION-LEFT	
				WEEK 56	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93003	F3	645	93	MASS(ES)	90 X 80MM
	TO	659	95	AXILLARY REGION-LEFT	
				WEEK 56	
		666	96	MASS(ES)	100 X 80MM
	TO	694	100	AXILLARY REGION-LEFT	
				WEEK 56	
		701	101	MASS(ES)	80 X 80MM
	TO	708	102	AXILLARY REGION-LEFT	
				WEEK 56	
		715	103	MASS(ES)	90 X 90MM
	TO	719	103	AXILLARY REGION-LEFT	
				WEEK 56	
C93005	F3	400	58	MASS(ES)	20 X 15MM
	TO	421	61	AXILLARY REGION-LEFT	
				WEEK 51	
		428	62	MASS(ES)	20 X 20MM
				AXILLARY REGION-LEFT	
				WEEK 51	
		435	63	MASS(ES)	25 X 25M
	TO	456	66	AXILLARY REGION-LEFT	
				WEEK 51	
		463	67	MASS(ES)	30 X 30MM
	TO	477	69	AXILLARY REGION-LEFT	
				WEEK 51	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93005	F3	484	70	MASS(ES)	30 X 40MM
	TO	498	72	AXILLARY REGION-LEFT	
				WEEK 51	
		505	73	MASS(ES)	40 X 45MM
	TO	630	90	AXILLARY REGION-LEFT	
				WEEK 51	
		547	79	MASS(ES)	10 X 10MM
	TO	568	82	INGUINAL REGION-RIGHT	
				WEEK 79	
C93009	F3	631	91	MASS(ES)	20 X 20MM
				HEAD-MAXILLARY-LEFT	
				WEEK 91	
		638	92	MASS(ES)	25 X 20MM
	TO	642	92	HEAD-MAXILLARY-LEFT	
				WEEK 91	
		561	81	MASS(ES)	15 X 15MM
	TO	568	82	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 79	
		575	83	MASS(ES)	10 X 10MM
	TO	603	87	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 79	
		631	91	MASS(ES)	10 X 10MM
	TO	642	92	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 79	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93012	F3	253	37	MASS(ES)	25 X 20 MM
		TO 281	41	AXILLARY REGION-LEFT	
				WEEK 37	
		288	42	MASS(ES)	30 X 30MM
		TO 295	43	AXILLARY REGION-LEFT	
				WEEK 37	
		302	44	MASS(ES)	40 X 40MM
		TO 386	56	AXILLARY REGION-LEFT	
				WEEK 37	
		393	57	MASS(ES)	50 X 50MM
				AXILLARY REGION-LEFT	
				WEEK 37	
		400	58	MASS(ES)	60 X 60MM
		TO 421	61	AXILLARY REGION-LEFT	
				WEEK 37	
		428	62	MASS(ES)	90 X 70MM
				AXILLARY REGION-LEFT	
				WEEK 37	
		435	63	MASS(ES)	60 X 70MM
		TO 442	64	AXILLARY REGION-LEFT	
				WEEK 37	
		449	65	MASS(ES)	80 X 70MM
		TO 477	69	AXILLARY REGION-LEFT	
				WEEK 37	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93012	F3	484	70	MASS(ES) AXILLARY REGION-LEFT WEEK 37	100 X 100MM
		491	71	MASS(ES) AXILLARY REGION-LEFT WEEK 37	100 X 80MM
		498	72	MASS(ES) AXILLARY REGION-LEFT WEEK 37	90 X 80MM
		505 TO 526	73 76	MASS(ES) AXILLARY REGION-LEFT WEEK 37	100 X 100MM
		533 TO 561	77 81	MASS(ES) AXILLARY REGION-LEFT WEEK 37	115 X 95MM
		421	61	MASS(ES) INGUINAL REGION-RIGHT WEEK 61	20 X 20MM
		428	62	MASS(ES) INGUINAL REGION-RIGHT WEEK 61	40 X 30MM
		435 TO 477	63 69	MASS(ES) INGUINAL REGION-RIGHT WEEK 61	20 X 20MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93014	F3	505	73	MASS(ES)	10 X 10MM
	TO	530	76	AXILLARY REGION-LEFT	
				WEEK 73	
		498	72	MASS(ES)	10 X 10MM
	TO	530	76	INGUINAL REGION-LEFT	
				WEEK 72	
C93015	F3	673	97	MASS(ES)	25 X 15MM
	TO	680	98	VENTRAL-ABDOMINAL	
				WEEK 97	
		687	99	MASS(ES)	40 X 30MM
	TO	712	102	VENTRAL-ABDOMINAL	
				WEEK 97	
C93017	F3	225	33	MASS(ES)	10 X 10MM
	TO	393	57	VENTRAL-ABDOMINAL-LEFT	
				WEEK 33	
		400	58	MASS(ES)	15 X 15MM
	TO	449	65	VENTRAL-ABDOMINAL-LEFT	
				WEEK 33	
		456	66	MASS(ES)	15 X 25MM
	TO	477	69	VENTRAL-ABDOMINAL-LEFT	
				WEEK 33	
		484	70	MASS(ES)	35 X 30MM
	TO	491	71	VENTRAL-ABDOMINAL-LEFT	
				WEEK 33	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93017	F3	498	72	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 33	30 X 30MM
		505 TO 582	73 TO 84	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 33	30 X 40MM
		589 TO 596	85 TO 86	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 33	40 X 50MM
		603 TO 610	87 TO 88	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 33	50 X 60MM
		617 TO 631	89 TO 91	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 33	60 X 60MM
C93019	F3	295 TO 302	43 TO 44	MASS(ES) VENTRAL-ABDOMINAL WEEK 43	15 X 15MM
C93021	F3	351 TO 393	51 TO 57	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 51	10 X 10MM
C93022	F3	603 TO 652	87 TO 94	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 87	25 X 20MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93022	F3	659	95	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 87	30 X 25MM
		666 TO 701	96 101	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 87	40 X 30MM
		708	102	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 87	50 X 40MM
		715 TO 719	103 103	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 87	60 X 50MM
C93024	F3	421	61	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 61	15 X 15MM
		428 TO 435	62 63	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 61	20 X 20MM
		442 TO 456	64 66	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 61	30 X 35MM
		463 TO 477	67 69	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 61	40 X 50MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93024	F3	484	70	MASS(ES)	50 X 70MM
	TO	512	74	VENTRAL-ABDOMINAL-LEFT	
				WEEK 61	
		519	75	MASS(ES)	60 X 70MM
	TO	598	86	VENTRAL-ABDOMINAL-LEFT	
				WEEK 61	
C93026	F3	638	92	MASS(ES)	20 X 15MM
	TO	687	99	AXILLARY REGION-LEFT	
				WEEK 92	
		694	100	MASS(ES)	30 X 30MM
	TO	701	101	AXILLARY REGION-LEFT	
				WEEK 92	
		708	102	MASS(ES)	40 X 30MM
	TO	715	103	AXILLARY REGION-LEFT	
				WEEK 92	
C93027	F3	547	79	MASS(ES)	10 X 10MM
	TO	561	81	INGUINAL REGION-RIGHT	
				WEEK 79	
C93028	F3	617	89	MASS(ES)	10 X10MM
	TO	638	92	INGUINAL REGION-RIGHT	
				WEEK 88	
		631	91	MASS(ES)	15 X 15MM
	TO	638	92	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 91	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93029	F3	400	58	MASS(ES)	30 X 25MM
	TO	421	61	VENTRAL-CERVICAL	
				WEEK 33	
		428	62	MASS(ES)	35 X 35MM
	TO	463	67	VENTRAL-CERVICAL	
				WEEK 33	
		470	68	MASS(ES)	40 X 35MM
	TO	477	69	VENTRAL-CERVICAL	
				WEEK 33	
		484	70	MASS(ES)	40 X 45MM
	TO	499	72	VENTRAL-CERVICAL	
				WEEK 33	
		500	72	MASS(ES)	40 X 20MM
	TO	500	72	VENTRAL-CERVICAL	
				WEEK 33	
		365	53	MASS(ES)	10 X 10MM
				VENTRAL-CERVICAL	
				WEEK 53	
		372	54	MASS(ES)	20 X 20MM
	TO	393	57	VENTRAL-CERVICAL	
				WEEK 53	
C93032	F3	512	74	WART LIKE LESION(S)	GENITAL
	TO	526	76	VENTRAL-ABDOMINAL	
				WEEK 74	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93033	F3	435	63	MASS(ES)	10 X 10MM
	TO	456	66	AXILLARY REGION-LEFT	
				WEEK 45	
		295	43	MASS(ES)	20 X 20MM
				INGUINAL REGION-LEFT	
				WEEK 43	
		302	44	MASS(ES)	25 X 25MM
	TO	323	47	INGUINAL REGION-LEFT	
				WEEK 43	
		323	47	MASS(ES)	20 X 15MM
				VENTRAL-ABDOMINAL-RIGHT	
				WEEK 40	
		330	48	MASS(ES)	10 X 10MM
	TO	407	59	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 40	
C93034	F3	498	72	MASS(ES)	10 X 10MM
	TO	512	74	AXILLARY REGION-LEFT	
				WEEK 72	
		519	75	MASS(ES)	15 X 15MM
				AXILLARY REGION-LEFT	
				WEEK 72	
		526	76	MASS(ES)	20 X 20MM
	TO	547	79	AXILLARY REGION-LEFT	
				WEEK 72	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93034	F3	554	80	MASS(ES)	15 X 15MM
	TO	575	83	AXILLARY REGION-LEFT	
				WEEK 72	
		519	75	MASS(ES)	10 X 10MM
	TO	575	83	AXILLARY REGION-RIGHT	
				WEEK 73	
		505	73	MASS(ES)	20 X 20MM
	TO	512	74	INGUINAL REGION-LEFT	
				WEEK 73	
		519	75	MASS(ES)	50 X 20MM
				INGUINAL REGION-LEFT	
				WEEK 73	
		526	76	MASS(ES)	60 X 35MM
				INGUINAL REGION-LEFT	
				WEEK 73	
		533	77	MASS(ES)	60 X 50MM
	TO	540	78	INGUINAL REGION-LEFT	
				WEEK 73	
		547	79	MASS(ES)	80 X 65MM
				INGUINAL REGION-LEFT	
				WEEK 73	
		554	80	MASS(ES)	80 X 70MM
	TO	575	83	INGUINAL REGION-LEFT	
				WEEK 73	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93034	F3	295	43	MASS(ES)	15 X 10MM
	TO	316	46	INGUINAL REGION-RIGHT	
				WEEK 43	
		547	79	MASS(ES)	10 X 10MM
	TO	554	80	INGUINAL REGION-RIGHT	
				WEEK 73	
		442	64	MASS(ES)	10 X 10MM
	TO	491	71	VENTRAL-ABDOMINAL-LEFT	
				WEEK 64	
		498	72	MASS(ES)	15 X 15MM
				VENTRAL-ABDOMINAL-LEFT	
				WEEK 64	
		505	73	MASS(ES)	20 X 20MM
	TO	526	76	VENTRAL-ABDOMINAL-LEFT	
				WEEK 64	
		533	77	MASS(ES)	25 X 25MM
	TO	554	80	VENTRAL-ABDOMINAL-LEFT	
				WEEK 64	
		526	76	MASS(ES)	15 X 15MM
	TO	554	80	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 76	
		365	53	MASS(ES)	10 X 10MM
	TO	379	55	VENTRAL-CERVICAL	
				WEEK 53	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93036	F3	575	83	MASS(ES)	15 X 15MM
	TO	582	84	VENTRAL-ABDOMINAL-LEFT	
				WEEK 83	
		589	85	MASS(ES)	20 X 20MM
	TO	592	85	VENTRAL-ABDOMINAL-LEFT	
				WEEK 83	
C93037	F3	428	62	MASS(ES)	15 X 15MM
				AXILLARY REGION-LEFT	
				WEEK 58	
C93038	F3	379	55	MASS(ES)	20 X 20MM
	TO	386	56	AXILLARY REGION-RIGHT	
				WEEK 53	
		393	57	MASS(ES)	30 X 25MM
				AXILLARY REGION-RIGHT	
				WEEK 53	
		400	58	MASS(ES)	45 X 40MM
				AXILLARY REGION-RIGHT	
				WEEK 53	
		407	59	MASS(ES)	45 X 40MM
				AXILLARY REGION-RIGHT	
				WEEK 53	
		414	60	MASS(ES)	45 X 40MM
				AXILLARY REGION-RIGHT	
				WEEK 53	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93038	F3	421	61	MASS(ES) AXILLARY REGION-RIGHT WEEK 53	45 X 40MM
		428	62	MASS(ES) AXILLARY REGION-RIGHT WEEK 53	70 X 60MM
		435	63	MASS(ES) AXILLARY REGION-RIGHT WEEK 53	70 X 60MM
		442	64	MASS(ES) AXILLARY REGION-RIGHT WEEK 53	70 X 60MM
		449	65	MASS(ES) AXILLARY REGION-RIGHT WEEK 53	70 X 60MM
		456	66	MASS(ES) AXILLARY REGION-RIGHT WEEK 53	90 X 70MM
		463	67	MASS(ES) AXILLARY REGION-RIGHT WEEK 53	90 X 70MM
		470	68	MASS(ES) AXILLARY REGION-RIGHT WEEK 53	90 X 80MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93038	F3	477	69	MASS(ES) AXILLARY REGION-RIGHT WEEK 53	90 X 80MM
		484	70	MASS(ES) AXILLARY REGION-RIGHT WEEK 53	115 X 115MM
		491	71	MASS(ES) AXILLARY REGION-RIGHT WEEK 53	115 X 115MM
		491	71	MASS(ES) AXILLARY REGION-RIGHT WEEK 53	115 X 115MM
		491	71	MASS(ES) AXILLARY REGION-RIGHT WEEK 53	115 X 115MM
C93039	F3	456	66	MASS(ES) INGUINAL REGION-LEFT WEEK 66	20 X 15MM
	TO	484	70		
		491	71	MASS(ES) INGUINAL REGION-LEFT WEEK 66	30 X 20MM
	TO	512	74		
		519	75	MASS(ES) INGUINAL REGION-LEFT WEEK 66	30 X 30MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93039	F3	526	76	MASS(ES)	30 X 35MM
	TO	533	77	INGUINAL REGION-LEFT	
				WEEK 66	
		540	78	MASS(ES)	40 X 40MM
	TO	547	79	INGUINAL REGION-LEFT	
				WEEK 66	
		554	80	MASS(ES)	50 X 50MM
	TO	596	86	INGUINAL REGION-LEFT	
				WEEK 66	
		603	87	MASS(ES)	55 X 55MM
	TO	638	92	INGUINAL REGION-LEFT	
				WEEK 66	
		645	93	MASS(ES)	60 X 55MM
	TO	659	95	INGUINAL REGION-LEFT	
				WEEK 66	
		666	96	MASS(ES)	60 X 60MM
	TO	708	102	INGUINAL REGION-LEFT	
				WEEK 66	
		715	103	MASS(ES)	70 X 60MM
	TO	719	103	INGUINAL REGION-LEFT	
				WEEK 66	
C93040	F3	526	76	MASS(ES)	10 X 10MM
	TO	540	78	AXILLARY REGION-RIGHT	
				WEEK 76	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93040	F3	547	79	MASS(ES)	15 X 10MM
	TO	603	87	AXILLARY REGION-RIGHT	
				WEEK 76	
		610	88	MASS(ES)	15 X 15MM
	TO	617	89	AXILLARY REGION-RIGHT	
				WEEK 76	
		624	90	MASS(ES)	10 X 10MM
	TO	638	92	AXILLARY REGION-RIGHT	
				WEEK 76	
		645	93	MASS(ES)	15 X 10MM
	TO	652	94	AXILLARY REGION-RIGHT	
				WEEK 76	
		659	95	MASS(ES)	20 X 15MM
	TO	719	103	AXILLARY REGION-RIGHT	
				WEEK 76	
C93041	F3	540	78	MASS(ES)	10 X 10MM
	TO	575	83	AXILLARY REGION-LEFT	
				WEEK 73	
		365	53	MASS(ES)	15 X 10MM
	TO	421	61	VENTRAL-ABDOMINAL	
				WEEK 53	
C93042	F3	582	84	MASS(ES)	10 X 10MM
	TO	603	87	AXILLARY REGION-LEFT	
				WEEK 82	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93042	F3	610	88	MASS(ES)	15 X 15MM
	TO	645	93	AXILLARY REGION-LEFT	
				WEEK 82	
		652	94	MASS(ES)	10 X 10MM
	TO	665	95	AXILLARY REGION-LEFT	
				WEEK 82	
		638	92	MASS(ES)	10 X 10MM
	TO	652	94	DORSAL	
				WEEK 92	
		659	95	MASS(ES)	30 X 30MM
	TO	665	95	DORSAL	
				WEEK 92	
		547	79	MASS(ES)	10 X 10MM
	TO	561	81	INGUINAL REGION-LEFT	
				WEEK 79	
		568	82	MASS(ES)	20 X 20MM
				INGUINAL REGION-LEFT	
				WEEK 79	
		575	83	MASS(ES)	30 X 30MM
	TO	582	84	INGUINAL REGION-LEFT	
				WEEK 79	
		589	85	MASS(ES)	40 X 30MM
	TO	603	87	INGUINAL REGION-LEFT	
				WEEK 79	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93042	F3	610	88	MASS(ES)	40 X 40MM
	TO	624	90	INGUINAL REGION-LEFT	
				WEEK 79	
		631	91	MASS(ES)	70 X 50MM
	TO	665	95	INGUINAL REGION-LEFT	
				WEEK 79	
		547	79	MASS(ES)	10 X 10MM
	TO	596	86	INGUINAL REGION-RIGHT	
				WEEK 79	
		603	87	MASS(ES)	15 X 15MM
	TO	610	88	INGUINAL REGION-RIGHT	
				WEEK 79	
		617	89	MASS(ES)	10 X 10MM
	TO	665	95	INGUINAL REGION-RIGHT	
				WEEK 79	
C93043	F3	659	95	MASS(ES)	15 X 15MM
	TO	673	97	AXILLARY REGION-LEFT	
				WEEK 95	
		470	68	MASS(ES)	20 X 15MM
	TO	477	69	AXILLARY REGION-RIGHT	
				WEEK 68	
		484	70	MASS(ES)	30 X 30MM
	TO	498	72	AXILLARY REGION-RIGHT	
				WEEK 68	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93043	F3	505	73	MASS(ES)	50 X 50MM
	TO	540	78	AXILLARY REGION-RIGHT	
				WEEK 68	
		547	79	MASS(ES)	70 X 60MM
	TO	554	80	AXILLARY REGION-RIGHT	
				WEEK 68	
		561	81	MASS(ES)	80 X 60MM
	TO	596	86	AXILLARY REGION-RIGHT	
				WEEK 68	
		603	87	MASS(ES)	90 X 60MM
	TO	638	92	AXILLARY REGION-RIGHT	
				WEEK 68	
		645	93	MASS(ES)	100 X 70MM
	TO	673	97	AXILLARY REGION-RIGHT	
				WEEK 68	
		575	83	MASS(ES)	20 X 10MM
	TO	582	84	VENTRAL-ABDOMINAL	
				WEEK 83	
		589	85	MASS(ES)	20 X 20MM
	TO	596	86	VENTRAL-ABDOMINAL	
				WEEK 83	
		603	87	MASS(ES)	25 X 25MM
	TO	624	90	VENTRAL-ABDOMINAL	
				WEEK 83	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93043	F3	631	91	MASS(ES) VENTRAL-ABDOMINAL WEEK 83	30 X 30MM
		638 TO 673	92 97	MASS(ES) VENTRAL-ABDOMINAL WEEK 83	40 X 35MM
		505 TO 519	73 75	MASS(ES) VENTRAL-CERVICAL-LEFT WEEK 73	10 X 10MM
		526 TO 533	76 77	MASS(ES) VENTRAL-CERVICAL-LEFT WEEK 73	15 X 15MM
		540 TO 596	78 86	MASS(ES) VENTRAL-CERVICAL-LEFT WEEK 73	20 X 20MM
		603	87	MASS(ES) VENTRAL-CERVICAL-LEFT WEEK 73	30 X 30MM
		610 TO 666	88 96	MASS(ES) VENTRAL-CERVICAL-LEFT WEEK 73	20 X 20MM
		673	97	MASS(ES) VENTRAL-CERVICAL-LEFT WEEK 73	40 X 50MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93043	F3	673	97	MASS(ES)	20 X 20MM
	TO	673	97	VENTRAL-CERVICAL-LEFT	
				WEEK 73	
		582	84	MASS(ES)	20 X 20MM
				VENTRAL-CERVICAL-RIGHT	
				WEEK 84	
		589	85	MASS(ES)	30 X 30MM
	TO	624	90	VENTRAL-CERVICAL-RIGHT	
				WEEK 84	
		631	91	MASS(ES)	50 X 45MM
	TO	645	93	VENTRAL-CERVICAL-RIGHT	
				WEEK 84	
		652	94	MASS(ES)	50 X 55MM
	TO	673	97	VENTRAL-CERVICAL-RIGHT	
				WEEK 84	
C93044	F3	386	56	MASS(ES)	10 X 10MM
	TO	421	61	AXILLARY REGION-RIGHT	
				WEEK 56	
C93046	F3	519	75	MASS(ES)	10 X 10MM
	TO	554	80	INGUINAL REGION-LEFT	
				WEEK 73	
		407	59	MASS(ES)	10 X 10MM
				INGUINAL REGION-RIGHT	
				WEEK 58	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93046	F3	414	60	MASS(ES)	20 X 20MM
		TO 421	61	INGUINAL REGION-RIGHT	
				WEEK 58	
		428	62	MASS(ES)	50 X 50MM
				INGUINAL REGION-RIGHT	
				WEEK 58	
		435	63	MASS(ES)	40 X 35MM
		TO 477	69	INGUINAL REGION-RIGHT	
				WEEK 58	
		484	70	MASS(ES)	60 X 70MM
		TO 519	75	INGUINAL REGION-RIGHT	
				WEEK 58	
		526	76	MASS(ES)	70 X 70MM
				INGUINAL REGION-RIGHT	
				WEEK 58	
		533	77	MASS(ES)	80 X 80MM
		TO 547	79	INGUINAL REGION-RIGHT	
				WEEK 58	
		554	80	MASS(ES)	90 X 90MM
		TO 554	80	INGUINAL REGION-RIGHT	
				WEEK 58	
		442	64	MASS(ES)	10 X 10MM
		TO 463	67	VENTRAL-CERVICAL-LEFT	
				WEEK 64	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93046	F3	470	68	MASS(ES)	20 X 20MM
	TO	477	69	VENTRAL-CERVICAL-LEFT	
				WEEK 64	
		484	70	MASS(ES)	30 X 30MM
	TO	491	71	VENTRAL-CERVICAL-LEFT	
				WEEK 64	
		498	72	MASS(ES)	20 X 20MM
	TO	512	74	VENTRAL-CERVICAL-LEFT	
				WEEK 64	
		519	75	MASS(ES)	30 X 25MM
	TO	554	80	VENTRAL-CERVICAL-LEFT	
				WEEK 64	
C93050	F3	547	79	MASS(ES)	20 X 15MM
	TO	554	80	INGUINAL REGION-RIGHT	
				WEEK 79	
		561	81	MASS(ES)	40 X 40MM
	TO	568	82	INGUINAL REGION-RIGHT	
				WEEK 79	
		575	83	MASS(ES)	30 X 30MM
	TO	589	85	INGUINAL REGION-RIGHT	
				WEEK 79	
		596	86	MASS(ES)	45 X 35MM
				INGUINAL REGION-RIGHT	
				WEEK 79	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93050	F3	603	87	MASS(ES)	50 X 40MM
	TO	638	92	INGUINAL REGION-RIGHT	
				WEEK 79	
		645	93	MASS(ES)	65 X 50MM
	TO	659	95	INGUINAL REGION-RIGHT	
				WEEK 79	
		666	96	MASS(ES)	65 X 60MM
	TO	683	98	INGUINAL REGION-RIGHT	
				WEEK 79	
		526	76	MASS(ES)	15 X 10MM
	TO	547	79	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 76	
		554	80	MASS(ES)	30 X 30MM
	TO	568	82	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 76	
		575	83	MASS(ES)	40 X 30MM
	TO	603	87	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 76	
		610	88	MASS(ES)	40 X 35MM
	TO	624	90	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 76	
		631	91	MASS(ES)	50 X 35MM
	TO	645	93	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 76	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93050	F3	652	94	MASS(ES)	50 X 50MM
	TO	683	98	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 76	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93051	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C93052	M	72	APPEARANCE	
			HEAD TILT	
			LEFT	489, 491, 498, 500
			BEHAVIOR	
			COLD TO TOUCH	
			LIMBS-ALL	500
			EYES	
			RED DISCHARGE	
			EYE-LEFT	500
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484
C93053	M	66	APPEARANCE	
			HEAD TILT	
			RIGHT	459
			MALOCCLUSION	449, 456, 459
			SKIN & PELAGE	
			RED HAIR COAT	
			LATERAL-CERVICAL-RIGHT	449
			YELLOW HAIR COAT	421, 428, 435, 442, 449

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER	GROUP: F4 DOSE: 5 PPM DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93053	M	66	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281
			MASS(ES)	
			VENTRAL-CERVICAL-LEFT	
			WEEK 42	288C, 295C, 302C, 309C, 316C, 323C, 330C, 337C, 344C, 351C, 358C 365C, 372C, 379C, 386C, 393C, 400C, 407C, 414C, 421C, 428C, 435C 442C, 449C, 456C, 459C
C93054	M	72	APPEARANCE	
			HEAD TILT	
			RIGHT	504
			THIN	504
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	504
			EXCRETION	
			FEW FECES	504
			EYES	
			RED DISCHARGE	
			EYES	504
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93054	M	72	NORMAL	
			NO REMARKABLE OBSERVATIONS	386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484
			MASS(ES)	
			INGUINAL REGION-LEFT	
			WEEK 71	491C, 498C, 504C
C93055	M	77	BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	533
			EXCRETION	
			FEW FECES	532-533
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	533
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

CATEGORY GROUP: F4 DOSE: 5 PPM

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	KEYWORD / QUALIFIER	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93056	M	99	APPEARANCE	
			THIN	687, 691
			EXCRETION	
			FEW FECES	691
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 93	645, 652
			INGUINAL REGION-RIGHT	
			WEEK 95	659C, 666C, 673C, 680C, 687C, 691C
			VENTRAL-ABDOMINAL	
			WEEK 99	687C, 691C
C93057	M	99	APPEARANCE	
			THIN	691
			EXCRETION	
			FEW FECES	691
			SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL	554

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93057	M	99	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 68	470C, 477C, 484C, 491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C 547C, 554C, 561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C 624C, 631C, 638C, 645C, 652C, 659C, 666C, 673C, 680C, 687C, 691C
			VENTRAL-ABDOMINAL	
			WEEK 77	533, 540C, 547C
			WEEK 97	673C, 680C, 687C, 691C
C93058	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22
C93059	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 732

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93060	T	105	APPEARANCE	
			MALOCCLUSION	127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204, 211 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666 673, 680, 687, 694, 701, 708, 715, 722, 729, 733
			EYES	
			CLEAR DISCHARGE	
			EYE-LEFT	701
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 93	645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729 733
C93061	D	80	APPEARANCE	
			HUNCHED	554, 558
			THIN	554, 558
			EXCRETION	
			FEW FECES	533, 540, 554, 558
			SKIN & PELAGE	
			PALE	
			ENTIRE BODY	533, 540, 547, 554, 558

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93061	D	80	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 519, 526
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 73	505, 512
C93062	T	105	APPEARANCE	
			MALOCCLUSION	477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 731
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470
C93063	T	105	EYES	
			RED DISCHARGE	
			EYE-RIGHT	246, 253, 260, 267, 274, 281, 295, 302, 309, 316, 323, 330, 337 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512, 519 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610 652, 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 731

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93063	T	105	SKIN & PELAGE	
			SORE/SCAB	
			AXILLARY REGION-RIGHT	729, 731
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 288, 617, 624, 631, 638, 645
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 100	694C, 701C, 708C, 715C, 722C, 729C, 731C
			INGUINAL REGION-RIGHT	
			WEEK 101	701, 708, 715, 722, 729, 731
			VENTRAL-CERVICAL	
			WEEK 102	708C, 715C, 722C, 729C, 731C
C93064	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C93065	M	93	APPEARANCE	
			HUNCHED	547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 638
			THIN	554, 561, 568, 575, 582, 589, 596, 603, 610
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	533, 540, 547, 554, 561, 568
			EXCRETION	
			FEW FECES	532-533

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93065	M	93	EYES	
			RED DISCHARGE	
			EYE-LEFT	540, 547, 554
			EYES	532-533
			RESPIRATION	
			AUDIBLE	617, 645
			SKIN & PELAGE	
			RED HAIR COAT	
			VENTRAL-ABDOMINAL	554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 87	603, 610, 617, 624, 631, 638, 645
			AXILLARY REGION-RIGHT	
			WEEK 83	575, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 86	596, 603, 610, 617, 624, 631, 638C, 645C
			VENTRAL-CERVICAL	
			WEEK 72	498C, 505C, 512C, 519C, 526C, 532-533C, 540C, 547C, 554C, 561C 568C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93066	M	93	SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL-RIGHT	596, 603, 610, 617, 624, 631, 638, 645
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 84	582, 589, 596, 603, 610C, 617C, 624C, 631C, 638C, 645C
			INGUINAL REGION-LEFT	
			WEEK 70	484C, 491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C 561C, 568C, 575C, 582C, 589C, 596C, 603C
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 54	372C, 379C, 386C, 393C, 400C, 407C, 414C, 421C, 428C, 435C, 442C 449C, 456C, 463C, 470C, 477C, 484C, 491C, 498C, 505C, 512C, 519C 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C, 596C 603C, 610C, 617C, 624C, 631C, 638C, 645C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 70	484C, 491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C 561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C 638C, 645C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

CATEGORY GROUP: F4 DOSE: 5 PPM

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	KEYWORD / QUALIFIER	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93067	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22
C93068	D	103	APPEARANCE	
			HEAD TILT	
			RIGHT	715, 718
			MALOCCLUSION	183, 190, 197, 204, 211, 218, 225, 232, 239, 246, 253, 260, 267 274, 281, 288, 295, 302, 316, 323, 330, 337, 344, 351, 358, 365 372, 379, 386, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673 680, 687, 694, 701, 708, 715, 718
			THIN	715, 718
			SKIN & PELAGE	
			ALOPECIA	547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631 638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715, 718
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 309, 393, 400 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491 498, 505, 512
C93069	M	101	SKIN & PELAGE	
			ALOPECIA	470, 568, 575, 617, 624, 673, 680
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 477

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93069	M	101	NORMAL	
			NO REMARKABLE OBSERVATIONS	484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 582 589
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 87	603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C, 673C 680C, 687C, 694C, 701-702C
			AXILLARY REGION-RIGHT	
			WEEK 86	596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C 673C, 680C, 687C, 694C, 701-702C
			INGUINAL REGION-LEFT	
			WEEK 93	645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701-702C
			VENTRAL-THORACIC-RIGHT	
			WEEK 92	638C, 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701-702C
C93070	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22
C93071	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C93072	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93072	T	105	MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 87	603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C, 673C 680C, 687C, 694C, 701C, 708C, 715C, 722C, 729C, 732C
			INGUINAL REGION-LEFT	
			WEEK 103	715C, 722C, 729C, 732C
C93073	D	75	APPEARANCE	
			HEAD TILT	
			RIGHT	505, 512, 519, 522
			HUNCHED	519, 522
			THIN	498, 505, 512, 519, 522
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	505, 512
			HYPOACTIVE	
			<UNSPECIFIED>	519, 522
			EXCRETION	
			FEW FECES	491, 498, 505, 512
			RESPIRATION	
			AUDIBLE	519, 522
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93074	M	83	APPEARANCE	
			HEAD TILT	
			RIGHT	561, 568, 575
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	575
			HYPOACTIVE	
			<UNSPECIFIED>	575
			EXCRETION	
			FEW FECES	316, 575
			EYES	
			RED DISCHARGE	
			EYE-RIGHT	568
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93075	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22
C93076	M	94	APPEARANCE	
			MALOCCLUSION	43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113, 120, 127, 134, 141 148, 155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596 603, 610, 617, 624, 631, 638, 645, 652-653
			MISSING	
			TEETH	309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652-653
			THIN	652-653
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	645, 652-653
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 84	582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C 652-653C
			LIMB-HIND-LEFT	
			WEEK 59	407, 414C, 421C, 428C, 435C, 442C, 449C, 456C, 463C, 470C, 477C 484C, 491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93076	M	94	MASS(ES)	
			LIMB-HIND-LEFT	
			WEEK 59	561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C 638C, 645C, 652-653C
C93077	T	105	APPEARANCE	
			SWOLLEN	
			TAIL-PROXIMAL	631, 638, 645, 652, 659, 666
			SKIN & PELAGE	
			SORE/SCAB	
			TAIL-PROXIMAL	708, 715, 722, 729, 733
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 101	701C, 708C, 715C, 722C, 729C, 733C
			TAIL-PROXIMAL	
			WEEK 97	673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C, 729C, 733C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93078	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 104	722, 729, 731
			VENTRAL-ABDOMINAL	
			WEEK 98	680C, 687C, 694C, 701C
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 94	652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C 729C, 731C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 89	617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C, 673C, 680C, 687C 694C, 701C, 708C, 715C, 722C, 729C, 731C
C93079	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 101	701C, 708C, 715C, 722C, 729C, 732C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93079	T	105	MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 69	477C, 484C, 491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C 554C, 561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C 631C, 638C, 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C 708C, 715C, 722C, 729C, 732C
C93080	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 733
C93081	T	105	APPEARANCE	
			MALOCCLUSION	624, 631, 729, 732
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 638, 645, 652, 659, 666 673, 680, 687, 694, 701, 708, 715, 722

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93082	D	97	EXCRETION	
			FEW FECES	673, 677
			EYES	
			PALE	
			EYES	652, 659, 666, 673, 677
			SKIN & PELAGE	
			YELLOW HAIR COAT	673, 677
			YELLOW SKIN	
			PAWS-ALL	673, 677
			TAIL	673, 677
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 414, 421, 428, 435, 442, 449, 456, 463, 484, 491, 498 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589 596, 603, 610, 617, 624, 631, 638, 645
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 68	470, 477
			LIMB-FRONT-LEFT	
			WEEK 45	309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393 400, 407

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93083	M	105	APPEARANCE	
			THIN	729
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596
			MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 95	659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C, 729C
			VENTRAL-CERVICAL-LEFT	
			WEEK 87	603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C, 673C 680C, 687C, 694C, 701C, 708C, 715C, 722C, 729C
C93084	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22
C93085	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93086	M	90	APPEARANCE	
			HEAD TILT	
			LEFT	568, 575, 582, 589, 596, 601, 603, 610, 617, 624, 630
			SWOLLEN	
			MOUTH	601, 603, 610
			NOSE	601, 603, 610
			THIN	568, 575, 582, 589, 596, 601, 603, 610, 617, 624, 630
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	630
			HYPOACTIVE	
			<UNSPECIFIED>	630
			EYES	
			DILATED PUPIL	
			EYES	603, 610, 617, 624, 630
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	601, 603, 610
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 519

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93086	M	90	MASS(ES)	
			INGUINAL REGION-LEFT	
			WEEK 72	498C, 505C, 512C
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 76	526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C, 596C 601C, 603C, 610C, 617C, 624C, 630C
C93087	M	100	BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	697
			HYPOACTIVE	
			<UNSPECIFIED>	697
			DISCHARGE	
			NASAL	
			RED IN COLOR	694, 697
			EXCRETION	
			FEW FECES	694, 697
			EYES	
			RED DISCHARGE	
			EYES	694, 697
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	652
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93087	M	100	NORMAL	
			NO REMARKABLE OBSERVATIONS	295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638
			MASS(ES)	
			INGUINAL REGION-LEFT	
			WEEK 93	645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 697C
			INGUINAL REGION-RIGHT	
			WEEK 95	659C, 666C, 673C, 680C, 687C, 694C, 697C
C93088	D	78	APPEARANCE	
			HEAD TILT	
			LEFT	527, 533, 540, 544
			THIN	505-507, 512
			EXCRETION	
			FEW FECES	506-507, 527
			EYES	
			RED DISCHARGE	
			EYE-RIGHT	22, 351, 506-507, 512, 519
			HOUSING,FOOD,WATER & MAINT.	
			WATER BOTTLE PLACED ON CAGE	505
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	505-507, 512, 527, 533, 540, 544
			ROUGH HAIR COAT	505-507, 512, 519, 526-527, 533, 540, 544

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93088	D	78	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106, 113 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295 302, 309, 316, 323, 330, 337, 344, 358, 365, 372, 379, 386, 393 400, 407, 414, 421, 456, 463, 484, 491
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 62	428C, 435C, 442C, 449C
			WEEK 68	470
			INGUINAL REGION-LEFT	
			WEEK 69	477
			WEEK 72	498, 505-507, 512
C93089	M	94	APPEARANCE	
			HEAD TILT	
			LEFT	652, 656
			MALOCCLUSION	155, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225, 232, 239 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316, 323, 330 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603 610, 617, 624, 631, 638, 645, 652, 656
			SWOLLEN	
			NOSE	155
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93089	M	94	MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 92	638C, 645C, 652C, 656C
			INGUINAL REGION-LEFT	
			WEEK 73	505, 512
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 87	603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 656C
			VENTRAL-CERVICAL	
			WEEK 88	610, 617, 624, 631C, 638C, 645C, 652C, 656C
C93090	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 731
C93091	M	77	APPEARANCE	
			HUNCHED	512
			THIN	512, 519, 526, 533-535
			EYES	
			RED DISCHARGE	
			EYES	512
			SKIN & PELAGE	
			PALE	
			ENTIRE BODY	534-535

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93091	M	77	SKIN & PELAGE	
			SORE/SCAB	
			LATERAL-ABDOMINAL-RIGHT	534-535
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316
			MASS(ES)	
			LIMB-HIND-RIGHT	
			WEEK 47	323C, 330C, 337C, 344C, 351C, 358C, 365C, 372C, 379C, 386C, 393C 400C, 407C, 414C, 421C, 428C, 435C, 442C, 449C, 456C, 463C, 470C 477C, 484C, 491C, 498C, 505C, 512C, 519C, 526C, 533-535C
C93092	M	77	APPEARANCE	
			HEAD TILT	
			LEFT	519, 526, 533, 535
			THIN	505, 512, 519, 526, 533, 535
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	535
			EXCRETION	
			FEW FECES	505
			EYES	
			RED DISCHARGE	
			EYES	533, 535

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93092	M	77	HOUSING,FOOD,WATER & MAINT.	
			WATER BOTTLE PLACED ON CAGE	505
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 72	498C, 505C, 512C, 519C, 526C, 533C, 535C
C93093	M	96	APPEARANCE	
			MALOCCLUSION	71, 85, 92, 99, 106, 113, 120, 127, 134, 141, 148, 155, 162, 169 176, 183, 190, 197, 204, 211, 218, 225, 232, 239, 246, 253, 260 267, 274, 281, 288, 295, 302, 309, 316, 323, 330, 337, 344, 351 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442 449, 456, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624 631, 638, 645, 652, 659, 666, 670
			THIN	670
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	670
			EXCRETION	
			FEW FECES	670

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93093	M	96	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 78
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 91	631C, 638C, 645C, 652C, 659C, 666C, 670C
			AXILLARY REGION-RIGHT	
			WEEK 87	603C, 610C, 617C, 624C
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 70	484C, 491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C 561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C 638C, 645C, 652C, 659C, 666C, 670C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 89	617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C, 670C
			VENTRAL-CERVICAL-LEFT	
			WEEK 94	652C, 659C, 666C, 670C
			VENTRAL-CERVICAL-RIGHT	
			WEEK 94	652C, 659C, 666C, 670C
C93094	M	96	BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	670
			COLD TO TOUCH	
			ENTIRE BODY	670
			EYES	
			RED DISCHARGE	
			EYES	670
			SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-CERVICAL-RIGHT	659, 666, 670

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93094	M	96	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519
			MASS(ES)	
			VENTRAL-CERVICAL-RIGHT	
			WEEK 76	526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C, 596C 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C, 670C
C93095	D	105	BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	729
			COLD TO TOUCH	
			ENTIRE BODY	729
			EYES	
			PALE	
			EYES	719, 722, 729
			SKIN & PELAGE	
			PALE	
			ENTIRE BODY	610, 729
			SORE/SCAB	
			AXILLARY REGION-LEFT	617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701 708, 715, 719, 722, 729
			LATERAL-ABDOMINAL-LEFT	715, 719

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER	GROUP: F4 DOSE: 5 PPM DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93095	D	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 79	547, 554, 561, 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C 624C, 631C, 638C, 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C 701C, 708C, 715C, 719C, 722C, 729C
			HEAD-MAXILLARY-RIGHT	
			WEEK 78	540
			INGUINAL REGION-LEFT	
			WEEK 97	673C, 680C, 687C, 694C, 701C, 708C, 715C, 719C, 722C, 729C
			SHOULDER-LEFT	
			WEEK 100	694C, 701C, 708
			VENTRAL-ABDOMINAL	
			WEEK 97	673C, 680C, 687C, 694C, 701C, 708C, 715C, 719C, 722C, 729C
C93096	D	31	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 217

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93097	M	98	BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	680
			DISCHARGE	
			OTHER	680C
			SKIN & PELAGE	
			BLACK SKIN	
			VENTRAL-ABDOMINAL-LEFT	659, 666
			VENTRAL-THORACIC-LEFT	673, 680
			SORE/SCAB	
			VENTRAL-THORACIC-LEFT	673, 680
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 428
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 69	477C, 484C, 491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C 554C, 561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C 631C, 638C, 645C, 652C, 659C, 666C, 673C, 680C
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 63	435C, 442C, 449C, 456C, 463C, 470C, 477C, 484C, 491C, 498C, 505C 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C 666C, 673C, 680C
			VENTRAL-CERVICAL	
			WEEK 78	540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93097	M	98	MASS(ES)	
			VENTRAL-CERVICAL	
			WEEK 78	617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C, 673C, 680C
			VENTRAL-CERVICAL-LEFT	
			WEEK 54	372C, 379C, 386C, 393C, 400C, 407C, 414C, 421C
C93098	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 568, 575, 582 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673 680, 687
			MASS(ES)	
			INGUINAL REGION-LEFT	
			WEEK 100	694, 701, 708, 715, 722, 729, 732
			INGUINAL REGION-RIGHT	
			WEEK 79	547C, 554C, 561C
C93099	M	96	APPEARANCE	
			HEAD TILT	
			LEFT	671
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	671

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER	GROUP: F4 DOSE: 5 PPM DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93099	M	96	DISCHARGE	
			GENITAL	
			RED IN COLOR	671
			EXCRETION	
			NO FECES	671
			SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL-RIGHT	526
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 456, 463, 470
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 69	477C, 484C, 491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C 554C, 561C, 568C, 575C, 582C, 589C
			WEEK 79	596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C 671C
			INGUINAL REGION-LEFT	
			WEEK 65	449C
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 72	498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C 652C, 659C, 666C, 671C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 72	498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93099	M	96	MASS(ES)	
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 72	575C
C93100	D	89	APPEARANCE	
			MALOCCLUSION	428, 435, 442
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 449, 456, 463, 470, 477, 484, 491 498, 505, 512, 519, 526, 533, 561, 568, 575, 582, 589, 596, 603 610, 617-618
			MASS(ES)	
			VENTRAL-CERVICAL-RIGHT	
			WEEK 78	540, 547, 554
C93101	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 732

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93102	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 302 309, 316, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512, 519 526, 533, 540, 547, 554, 561, 568, 575, 617, 624, 631, 638, 645 652, 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 733
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 42	288, 295
			WEEK 84	582C, 589C, 596C, 603C, 610C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 47	323C, 330C, 337C, 344C, 351C
C93103	M	99	APPEARANCE	
			MALOCCLUSION	519, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666 673, 680, 687, 691
			MISSING	
			TEETH	687, 691
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	691
			EXCRETION	
			NO FECES	691
			SKIN & PELAGE	
			BROWN HAIR COAT	
			VENTRAL-ABDOMINAL	691

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER	GROUP: F4 DOSE: 5 PPM DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93103	M	99	SKIN & PELAGE	
			SORE/SCAB	
			HEAD-MAXILLARY-LEFT	540
			PAW-HIND-LEFT	568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 691
			PAW-HIND-RIGHT	547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631 638, 645, 652, 659, 666, 673, 680, 687, 691
			PAWS-HIND	505, 512, 519
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498
			MASS(ES)	
			HEAD-MAXILLARY-LEFT	
			WEEK 76	526, 533
			VENTRAL-CERVICAL-RIGHT	
			WEEK 57	393
C93104	M	84	APPEARANCE	
			HUNCHED	561, 568, 575
			THIN	533, 540, 547, 554, 561, 568, 575, 582-583
			EXCRETION	
			FEW FECES	533, 540

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93104	M	84	EYES	
			RED DISCHARGE	
			EYE-RIGHT	372, 379, 498, 519, 526
			SKIN & PELAGE	
			RED HAIR COAT	
			VENTRAL-ABDOMINAL	568, 575, 582
			SORE/SCAB	
			VENTRAL-THORACIC-LEFT	554, 561, 568, 575, 582-583
			YELLOW HAIR COAT	561
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 56	386, 393C, 400C, 407C, 414C, 421C, 428C, 435C, 442C, 449C, 456C 463C, 470C, 477C, 484C, 491C, 498C, 505C, 512C, 519C, 526C, 533C 540C, 547C, 554C, 561C, 568C, 575C
			INGUINAL REGION-LEFT	
			WEEK 67	463C, 470C, 477C, 484C, 491C, 498C, 505C, 512C, 519C, 526C
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 58	400C, 407C, 414C, 421C, 428C, 435C, 442C, 449C, 456C, 463C, 470C 477C, 484C, 491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C 554C, 561C, 568C, 575C, 582-583C
			VENTRAL-CERVICAL-LEFT	
			WEEK 65	449, 456, 463, 470, 477

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93105	D	89	APPEARANCE	
			HUNCHED	589, 596, 603
			MALOCCLUSION	589, 596, 603, 610, 617-618
			SWOLLEN	
			LIMB-HIND-RIGHT	491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575 582, 589, 596, 603, 610, 617-618
			THIN	589, 596, 603
			RESPIRATION	
			LABORED	610
			SKIN & PELAGE	
			SORE/SCAB	
			LIMB-HIND-RIGHT	470, 477, 484
			PAW-HIND-LEFT	498, 505, 519, 526, 533, 540, 547
			PAW-HIND-RIGHT	449
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 456, 463
C93106	M	95	APPEARANCE	
			MISSING	
			TAIL-DISTAL	554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638 645, 652, 659, 661
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	661

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93106	M	95	EXCRETION	
			FEW FECES	659, 661
			EYES	
			RED DISCHARGE	
			EYES	659, 661
			SKIN & PELAGE	
			SORE/SCAB	
			TAIL-DISTAL	554, 561, 568, 575, 582, 589, 596
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547
C93107	T	105	APPEARANCE	
			MALOCCLUSION	162, 169, 197, 204, 211, 218, 225, 232, 239, 246, 253, 260, 267 274, 281, 288, 295, 302, 309, 316, 323, 330, 337, 344, 351, 358 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442, 449 456, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533, 540 547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631 638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715, 722 729, 731
			MISSING	
			TEETH	428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 694 701, 708, 715, 722, 729, 731

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93107	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 176, 183, 190
			MASS(ES)	
			VENTRAL-CERVICAL-RIGHT	
			WEEK 81	561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C 638C, 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C 715C, 722C, 729C, 731C
C93108	D	52	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 364
C93109	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C93110	M	90	APPEARANCE	
			THIN	624, 630
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	630
			EXCRETION	
			FEW FECES	630
			NONFORMED FECES	630

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F4 DOSE: 5 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93110	M	90	EYES	
			RED DISCHARGE	
			EYE-LEFT	630
			EYE-RIGHT	470, 477
			SKIN & PELAGE	
			ROUGH HAIR COAT	624, 630
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 302, 309 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400 407, 414, 421, 428, 435, 442, 449, 456, 463, 484, 491, 498, 505 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596 603, 610, 617
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 41	281, 288, 295
			AXILLARY REGION-RIGHT	
			WEEK 90	624C, 630C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93053	F4	288	42	MASS(ES) VENTRAL-CERVICAL-LEFT WEEK 42	20 X 20MM
		295 TO 302	43 44	MASS(ES) VENTRAL-CERVICAL-LEFT WEEK 42	30 X 25MM
		309 TO 337	45 49	MASS(ES) VENTRAL-CERVICAL-LEFT WEEK 42	30 X 30MM
		344 TO 351	50 51	MASS(ES) VENTRAL-CERVICAL-LEFT WEEK 42	40 X 30MM
		358	52	MASS(ES) VENTRAL-CERVICAL-LEFT WEEK 42	50 X 40MM
		365 TO 386	53 56	MASS(ES) VENTRAL-CERVICAL-LEFT WEEK 42	50 X 50MM
		393 TO 428	57 62	MASS(ES) VENTRAL-CERVICAL-LEFT WEEK 42	60 X 50MM
		435 TO 459	63 66	MASS(ES) VENTRAL-CERVICAL-LEFT WEEK 42	70 X 55MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93054	F4	491	71	MASS(ES)	30 X 20MM
	TO	504	72	INGUINAL REGION-LEFT	
				WEEK 71	
C93056	F4	659	95	MASS(ES)	20 X 15MM
	TO	666	96	INGUINAL REGION-RIGHT	
				WEEK 95	
		673	97	MASS(ES)	30 X 25MM
				INGUINAL REGION-RIGHT	
				WEEK 95	
		680	98	MASS(ES)	25 X 25MM
	TO	691	99	INGUINAL REGION-RIGHT	
				WEEK 95	
		687	99	MASS(ES)	20 X 20MM
	TO	691	99	VENTRAL-ABDOMINAL	
				WEEK 99	
C93057	F4	470	68	MASS(ES)	15 X 15MM
	TO	519	75	AXILLARY REGION-RIGHT	
				WEEK 68	
		526	76	MASS(ES)	20 X 20MM
	TO	540	78	AXILLARY REGION-RIGHT	
				WEEK 68	
		547	79	MASS(ES)	30 X 30MM
	TO	554	80	AXILLARY REGION-RIGHT	
				WEEK 68	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93057	F4	561	81	MASS(ES)	40 X 40MM
	TO	589	85	AXILLARY REGION-RIGHT	
				WEEK 68	
		596	86	MASS(ES)	60 X 40MM
	TO	631	91	AXILLARY REGION-RIGHT	
				WEEK 68	
		638	92	MASS(ES)	75 X 75MM
	TO	659	95	AXILLARY REGION-RIGHT	
				WEEK 68	
		666	96	MASS(ES)	75 X 60MM
	TO	691	99	AXILLARY REGION-RIGHT	
				WEEK 68	
		540	78	MASS(ES)	15 X 15MM
	TO	547	79	VENTRAL-ABDOMINAL	
				WEEK 77	
		673	97	MASS(ES)	15 X 15MM
	TO	691	99	VENTRAL-ABDOMINAL	
				WEEK 97	
C93063	F4	694	100	MASS(ES)	10 X 10MM
				AXILLARY REGION-RIGHT	
				WEEK 100	
		701	101	MASS(ES)	20 X 20MM
	TO	708	102	AXILLARY REGION-RIGHT	
				WEEK 100	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD / QUALIFIER	FREE-TEXT COMMENT
C93063	F4	715	103	MASS(ES) AXILLARY REGION-RIGHT WEEK 100	20 X 30MM
		722	104	MASS(ES) AXILLARY REGION-RIGHT WEEK 100	30 X 30MM
		729 TO 731	105	MASS(ES) AXILLARY REGION-RIGHT WEEK 100	40 X 30MM
		708 TO 715	102 103	MASS(ES) VENTRAL-CERVICAL WEEK 102	20 X 20MM
		722 TO 731	104 105	MASS(ES) VENTRAL-CERVICAL WEEK 102	35 X 35MM
C93065	F4	582 TO 610	84 88	MASS(ES) AXILLARY REGION-RIGHT WEEK 83	10 X 10MM
		617 TO 645	89 93	MASS(ES) AXILLARY REGION-RIGHT WEEK 83	15 X 15MM
		638 TO 645	92 93	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 86	10 X 10MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93065	F4	498	72	MASS(ES)	10 X 10MM
	TO	568	82	VENTRAL-CERVICAL	
				WEEK 72	
C93066	F4	610	88	MASS(ES)	10 X 10MM
				AXILLARY REGION-LEFT	
				WEEK 84	
		617	89	MASS(ES)	20 X 15MM
	TO	631	91	AXILLARY REGION-LEFT	
				WEEK 84	
		638	92	MASS(ES)	30 X 20MM
	TO	645	93	AXILLARY REGION-LEFT	
				WEEK 84	
		484	70	MASS(ES)	25 X 25MM
	TO	505	73	INGUINAL REGION-LEFT	
				WEEK 70	
		512	74	MASS(ES)	40 X 40MM
	TO	603	87	INGUINAL REGION-LEFT	
				WEEK 70	
		372	54	MASS(ES)	20 X 10MM
	TO	386	56	VENTRAL-ABDOMINAL-LEFT	
				WEEK 54	
		393	57	MASS(ES)	25 X 15MM
	TO	407	59	VENTRAL-ABDOMINAL-LEFT	
				WEEK 54	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93066	F4	414	60	MASS(ES)	40 X 20MM
	TO	428	62	VENTRAL-ABDOMINAL-LEFT	
				WEEK 54	
		435	63	MASS(ES)	40 X 25MM
				VENTRAL-ABDOMINAL-LEFT	
				WEEK 54	
		442	64	MASS(ES)	50 X 40MM
	TO	456	66	VENTRAL-ABDOMINAL-LEFT	
				WEEK 54	
		463	67	MASS(ES)	60 X 45MM
	TO	477	69	VENTRAL-ABDOMINAL-LEFT	
				WEEK 54	
		484	70	MASS(ES)	70 X 50MM
	TO	526	76	VENTRAL-ABDOMINAL-LEFT	
				WEEK 54	
		533	77	MASS(ES)	80 X 60MM
	TO	554	80	VENTRAL-ABDOMINAL-LEFT	
				WEEK 54	
		561	81	MASS(ES)	90 X 55MM
	TO	568	82	VENTRAL-ABDOMINAL-LEFT	
				WEEK 54	
		575	83	MASS(ES)	75 X 50MM
	TO	582	84	VENTRAL-ABDOMINAL-LEFT	
				WEEK 54	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93066	F4	589	85	MASS(ES)	90 X 50MM
	TO	603	87	VENTRAL-ABDOMINAL-LEFT	
				WEEK 54	
		610	88	MASS(ES)	110 X 60MM
	TO	624	90	VENTRAL-ABDOMINAL-LEFT	MASSES ON LEFT SIDE ARE MEASURED AS ONE MASS.
				WEEK 54	
		631	91	MASS(ES)	110 X 90MM
				VENTRAL-ABDOMINAL-LEFT	MASSES ON LEFT SIDE ARE MEASURED AS ONE MASS
				WEEK 54	
		638	92	MASS(ES)	110 X 110MM
	TO	645	93	VENTRAL-ABDOMINAL-LEFT	MASSES ON LEFT SIDE ARE MEASURED AS ONE MASS
				WEEK 54	
		484	70	MASS(ES)	10 X 10MM
	TO	498	72	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 70	
		505	73	MASS(ES)	15 X 15MM
	TO	561	81	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 70	
		568	82	MASS(ES)	20 X 20MM
	TO	575	83	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 70	
		582	84	MASS(ES)	30 X 30MM
	TO	610	88	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 70	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93066	F4	617	89	MASS(ES)	35 X 35MM
	TO	645	93	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 70	
C93069	F4	603	87	MASS(ES)	20 X 20MM
	TO	624	90	AXILLARY REGION-LEFT	
				WEEK 87	
		631	91	MASS(ES)	30 X 30MM
	TO	652	94	AXILLARY REGION-LEFT	
				WEEK 87	
		659	95	MASS(ES)	40 X 30MM
	TO	680	98	AXILLARY REGION-LEFT	
				WEEK 87	
		687	99	MASS(ES)	50 X 40MM
	TO	694	100	AXILLARY REGION-LEFT	
				WEEK 87	
		701	101	MASS(ES)	60 X 50MM
	TO	702	101	AXILLARY REGION-LEFT	
				WEEK 87	
		596	86	MASS(ES)	10 X 10MM
	TO	603	87	AXILLARY REGION-RIGHT	
				WEEK 86	
		610	88	MASS(ES)	15 X 15MM
				AXILLARY REGION-RIGHT	
				WEEK 86	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93069	F4	617	89	MASS(ES)	20 X 20MM
	TO	631	91	AXILLARY REGION-RIGHT	
				WEEK 86	
		638	92	MASS(ES)	25 X 25MM
				AXILLARY REGION-RIGHT	
				WEEK 86	
		645	93	MASS(ES)	30 X 25MM
	TO	666	96	AXILLARY REGION-RIGHT	
				WEEK 86	
		673	97	MASS(ES)	45 X 30MM
	TO	702	101	AXILLARY REGION-RIGHT	
				WEEK 86	
		645	93	MASS(ES)	30 X 30MM
	TO	666	96	INGUINAL REGION-LEFT	
				WEEK 93	
		673	97	MASS(ES)	40 X 35MM
	TO	687	99	INGUINAL REGION-LEFT	
				WEEK 93	
		694	100	MASS(ES)	50 X 40MM
				INGUINAL REGION-LEFT	
				WEEK 93	
		701	101	MASS(ES)	50 X 50MM
	TO	702	101	INGUINAL REGION-LEFT	
				WEEK 93	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93069	F4	638	92	MASS(ES)	25 X 25MM
	TO	659	95	VENTRAL-THORACIC-RIGHT	
				WEEK 92	
		666	96	MASS(ES)	30 X 30MM
	TO	694	100	VENTRAL-THORACIC-RIGHT	
				WEEK 92	
		701	101	MASS(ES)	40 X 35MM
	TO	702	101	VENTRAL-THORACIC-RIGHT	
				WEEK 92	
C93072	F4	603	87	MASS(ES)	10 X 10MM
				AXILLARY REGION-RIGHT	
				WEEK 87	
		610	88	MASS(ES)	15 X 15MM
				AXILLARY REGION-RIGHT	
				WEEK 87	
		617	89	MASS(ES)	25 X 25MM
	TO	652	94	AXILLARY REGION-RIGHT	
				WEEK 87	
		659	95	MASS(ES)	30 X 30MM
	TO	673	97	AXILLARY REGION-RIGHT	
				WEEK 87	
		680	98	MASS(ES)	35 X 30MM
				AXILLARY REGION-RIGHT	
				WEEK 87	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93072	F4	687	99	MASS(ES)	45 X 40MM
	TO	732	105	AXILLARY REGION-RIGHT	
				WEEK 87	
		715	103	MASS(ES)	20 X 20MM
	TO	732	105	INGUINAL REGION-LEFT	
				WEEK 103	
C93076	F4	582	84	MASS(ES)	30 X 30MM
	TO	603	87	AXILLARY REGION-RIGHT	
				WEEK 84	
		610	88	MASS(ES)	35 X 40MM
	TO	624	90	AXILLARY REGION-RIGHT	
				WEEK 84	
		631	91	MASS(ES)	50 X 50MM
	TO	653	94	AXILLARY REGION-RIGHT	
				WEEK 84	
		414	60	MASS(ES)	55 X 55MM
	TO	428	62	LIMB-HIND-LEFT	
				WEEK 59	
		435	63	MASS(ES)	70 X 65MM
	TO	484	70	LIMB-HIND-LEFT	
				WEEK 59	
		491	71	MASS(ES)	90 X 75MM
	TO	547	79	LIMB-HIND-LEFT	
				WEEK 59	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93076	F4	554	80	MASS(ES)	110 X 100MM
	TO	631	91	LIMB-HIND-LEFT	
				WEEK 59	
		638	92	MASS(ES)	120 X 125MM
	TO	653	94	LIMB-HIND-LEFT	
				WEEK 59	
C93077	F4	701	101	MASS(ES)	20 X 20MM
	TO	722	104	AXILLARY REGION-LEFT	
				WEEK 101	
		729	105	MASS(ES)	30 X 30MM
	TO	733	105	AXILLARY REGION-LEFT	
				WEEK 101	
		673	97	MASS(ES)	25 X 20MM
	TO	687	99	TAIL-PROXIMAL	
				WEEK 97	
		694	100	MASS(ES)	30 X 25MM
	TO	701	101	TAIL-PROXIMAL	
				WEEK 97	
		708	102	MASS(ES)	25 X 15MM
	TO	733	105	TAIL-PROXIMAL	
				WEEK 97	
C93078	F4	680	98	MASS(ES)	10 X 10MM
	TO	701	101	VENTRAL-ABDOMINAL	
				WEEK 98	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93078	F4	652	94	MASS(ES)	10 X 10MM
	TO	666	96	VENTRAL-ABDOMINAL-LEFT	
				WEEK 94	
		673	97	MASS(ES)	15 X 15MM
				VENTRAL-ABDOMINAL-LEFT	
				WEEK 94	
		680	98	MASS(ES)	25 X 20MM
	TO	687	99	VENTRAL-ABDOMINAL-LEFT	
				WEEK 94	
		694	100	MASS(ES)	30 X 25MM
	TO	701	101	VENTRAL-ABDOMINAL-LEFT	
				WEEK 94	
		708	102	MASS(ES)	40 X 40MM
	TO	731	105	VENTRAL-ABDOMINAL-LEFT	
				WEEK 94	
		617	89	MASS(ES)	20 X 20MM
	TO	624	90	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 89	
		631	91	MASS(ES)	30 X 25MM
				VENTRAL-ABDOMINAL-RIGHT	
				WEEK 89	
		638	92	MASS(ES)	40 X 40MM
	TO	652	94	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 89	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93078	F4	659	95	MASS(ES)	50 X 45MM
	TO	666	96	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 89	
		673	97	MASS(ES)	50 X 50MM
	TO	680	98	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 89	
		687	99	MASS(ES)	60 X 50MM
	TO	694	100	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 89	
		701	101	MASS(ES)	70 X 65MM
	TO	731	105	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 89	
C93079	F4	701	101	MASS(ES)	10 X 10MM
	TO	732	105	AXILLARY REGION-LEFT	
				WEEK 101	
		477	69	MASS(ES)	10 X 10MM
				AXILLARY REGION-RIGHT	
				WEEK 69	
		484	70	MASS(ES)	20 X 20MM
	TO	498	72	AXILLARY REGION-RIGHT	
				WEEK 69	
		505	73	MASS(ES)	30 X 25MM
	TO	519	75	AXILLARY REGION-RIGHT	
				WEEK 69	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93079	F4	526	76	MASS(ES)	30 X 30MM
	TO	533	77	AXILLARY REGION-RIGHT	
				WEEK 69	
		540	78	MASS(ES)	30 X 40MM
	TO	547	79	AXILLARY REGION-RIGHT	
				WEEK 69	
		554	80	MASS(ES)	40 X 40MM
	TO	582	84	AXILLARY REGION-RIGHT	
				WEEK 69	
		589	85	MASS(ES)	40 X 55MM
	TO	631	91	AXILLARY REGION-RIGHT	
				WEEK 69	
		638	92	MASS(ES)	60 X 70MM
	TO	694	100	AXILLARY REGION-RIGHT	
				WEEK 69	
		701	101	MASS(ES)	70 X 80MM
	TO	732	105	AXILLARY REGION-RIGHT	
				WEEK 69	
C93083	F4	659	95	MASS(ES)	15 X 10MM
	TO	729	105	VENTRAL-ABDOMINAL	
				WEEK 95	
		603	87	MASS(ES)	15 X 15MM
				VENTRAL-CERVICAL-LEFT	
				WEEK 87	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93083	F4	610	88	MASS(ES)	30 X 30MM
	TO	624	90	VENTRAL-CERVICAL-LEFT	
				WEEK 87	
		631	91	MASS(ES)	50 X 45MM
				VENTRAL-CERVICAL-LEFT	
				WEEK 87	
		638	92	MASS(ES)	60 X 55MM
	TO	652	94	VENTRAL-CERVICAL-LEFT	
				WEEK 87	
		659	95	MASS(ES)	70 X 65MM
	TO	673	97	VENTRAL-CERVICAL-LEFT	
				WEEK 87	
		680	98	MASS(ES)	70 X 75MM
				VENTRAL-CERVICAL-LEFT	
				WEEK 87	
		687	99	MASS(ES)	80 X 75MM
				VENTRAL-CERVICAL-LEFT	
				WEEK 87	
		694	100	MASS(ES)	90 X 90MM
	TO	722	104	VENTRAL-CERVICAL-LEFT	
				WEEK 87	
		729	105	MASS(ES)	100 X 90MM
	TO	729	105	VENTRAL-CERVICAL-LEFT	
				WEEK 87	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93086	F4	498	72	MASS(ES)	15 X 15MM
	TO	512	74	INGUINAL REGION-LEFT	
				WEEK 72	
		526	76	MASS(ES)	30 X 30MM
	TO	533	77	VENTRAL-ABDOMINAL-LEFT	
				WEEK 76	
		540	78	MASS(ES)	40 X 30MM
	TO	568	82	VENTRAL-ABDOMINAL-LEFT	
				WEEK 76	
		575	83	MASS(ES)	40 X 40MM
	TO	589	85	VENTRAL-ABDOMINAL-LEFT	
				WEEK 76	
		596	86	MASS(ES)	50 X 40MM
	TO	610	88	VENTRAL-ABDOMINAL-LEFT	
				WEEK 76	
		617	89	MASS(ES)	60 X 50MM
	TO	630	90	VENTRAL-ABDOMINAL-LEFT	
				WEEK 76	
C93087	F4	645	93	MASS(ES)	20 X 20MM
				INGUINAL REGION-LEFT	
				WEEK 93	
		652	94	MASS(ES)	30 X 30MM
	TO	687	99	INGUINAL REGION-LEFT	
				WEEK 93	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93087	F4	694	100	MASS(ES)	40 X 30MM
	TO	697	100	INGUINAL REGION-LEFT	
				WEEK 93	
		659	95	MASS(ES)	20 X 20MM
	TO	697	100	INGUINAL REGION-RIGHT	
				WEEK 95	
C93088	F4	428	62	MASS(ES)	10 X 10MM
	TO	449	65	AXILLARY REGION-LEFT	
				WEEK 62	
C93089	F4	638	92	MASS(ES)	15 X 15MM
	TO	656	94	AXILLARY REGION-RIGHT	
				WEEK 92	
		603	87	MASS(ES)	15 X 15MM
	TO	656	94	VENTRAL-ABDOMINAL-LEFT	
				WEEK 87	
		631	91	MASS(ES)	20 X 20MM
	TO	645	93	VENTRAL-CERVICAL	
				WEEK 88	
		652	94	MASS(ES)	25 X 25MM
	TO	656	94	VENTRAL-CERVICAL	
				WEEK 88	
C93091	F4	323	47	MASS(ES)	20 X 15MM
				LIMB-HIND-RIGHT	
				WEEK 47	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93091	F4	330	48	MASS(ES)	25 X 25MM
	TO	351	51	LIMB-HIND-RIGHT	
				WEEK 47	
		358	52	MASS(ES)	25 X 15MM
				LIMB-HIND-RIGHT	
				WEEK 47	
		365	53	MASS(ES)	25 X 30MM
	TO	379	55	LIMB-HIND-RIGHT	
				WEEK 47	
		386	56	MASS(ES)	30 X 30MM
	TO	414	60	LIMB-HIND-RIGHT	
				WEEK 47	
		421	61	MASS(ES)	40 X 40MM
				LIMB-HIND-RIGHT	
				WEEK 47	
		428	62	MASS(ES)	30 X 30MM
				LIMB-HIND-RIGHT	
				WEEK 47	
		435	63	MASS(ES)	30 X 40MM
	TO	442	64	LIMB-HIND-RIGHT	
				WEEK 47	
		449	65	MASS(ES)	60 X 50MM
				LIMB-HIND-RIGHT	
				WEEK 47	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93091	F4	456	66	MASS(ES)	40 X 40MM
	TO	477	69	LIMB-HIND-RIGHT	
				WEEK 47	
		484	70	MASS(ES)	50 X 50MM
	TO	491	71	LIMB-HIND-RIGHT	
				WEEK 47	
		498	72	MASS(ES)	70 X 70MM
	TO	526	76	LIMB-HIND-RIGHT	
				WEEK 47	
		533	77	MASS(ES)	100 X 100MM
	TO	535	77	LIMB-HIND-RIGHT	
				WEEK 47	
C93092	F4	498	72	MASS(ES)	10 X 10MM
	TO	535	77	AXILLARY REGION-RIGHT	
				WEEK 72	
C93093	F4	631	91	MASS(ES)	10 X 10MM
	TO	670	96	AXILLARY REGION-LEFT	
				WEEK 91	
		603	87	MASS(ES)	10 X 10MM
	TO	624	90	AXILLARY REGION-RIGHT	
				WEEK 87	
		484	70	MASS(ES)	30 X 20MM
	TO	498	72	VENTRAL-ABDOMINAL-LEFT	
				WEEK 70	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93093	F4	505	73	MASS(ES)	40 X 30MM
	TO	519	75	VENTRAL-ABDOMINAL-LEFT	
				WEEK 70	
		526	76	MASS(ES)	40 X 40MM
				VENTRAL-ABDOMINAL-LEFT	
				WEEK 70	
		533	77	MASS(ES)	60 X 60MM
	TO	575	83	VENTRAL-ABDOMINAL-LEFT	
				WEEK 70	
		582	84	MASS(ES)	65 X 60MM
	TO	603	87	VENTRAL-ABDOMINAL-LEFT	
				WEEK 70	
		610	88	MASS(ES)	70 X 70MM
				VENTRAL-ABDOMINAL-LEFT	
				WEEK 70	
		617	89	MASS(ES)	75 X 75MM
	TO	631	91	VENTRAL-ABDOMINAL-LEFT	
				WEEK 70	
		638	92	MASS(ES)	80 X 80MM
	TO	652	94	VENTRAL-ABDOMINAL-LEFT	
				WEEK 70	
		659	95	MASS(ES)	70 X 70MM
	TO	670	96	VENTRAL-ABDOMINAL-LEFT	
				WEEK 70	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93093	F4	617	89	MASS(ES)	25 X 25MM
	TO	631	91	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 89	
		638	92	MASS(ES)	45 X 45MM
	TO	670	96	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 89	
		652	94	MASS(ES)	15 X 15MM
	TO	670	96	VENTRAL-CERVICAL-LEFT	
				WEEK 94	
		652	94	MASS(ES)	10 X 10MM
	TO	670	96	VENTRAL-CERVICAL-RIGHT	
				WEEK 94	
C93094	F4	526	76	MASS(ES)	30 X 30MM
	TO	547	79	VENTRAL-CERVICAL-RIGHT	
				WEEK 76	
		554	80	MASS(ES)	20 X 20MM
	TO	561	81	VENTRAL-CERVICAL-RIGHT	
				WEEK 76	
		568	82	MASS(ES)	10 X 10MM
				VENTRAL-CERVICAL-RIGHT	
				WEEK 76	
		575	83	MASS(ES)	20 X 20MM
	TO	582	84	VENTRAL-CERVICAL-RIGHT	
				WEEK 76	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93094	F4	589	85	MASS(ES)	30 X 30MM
	TO	596	86	VENTRAL-CERVICAL-RIGHT	
				WEEK 76	
		603	87	MASS(ES)	40 X 35MM
	TO	624	90	VENTRAL-CERVICAL-RIGHT	
				WEEK 76	
		631	91	MASS(ES)	50 X 35MM
				VENTRAL-CERVICAL-RIGHT	
				WEEK 76	
		638	92	MASS(ES)	55 X 45MM
	TO	645	93	VENTRAL-CERVICAL-RIGHT	
				WEEK 76	
		652	94	MASS(ES)	55 X 60MM
	TO	670	96	VENTRAL-CERVICAL-RIGHT	
				WEEK 76	
C93095	F4	568	82	MASS(ES)	10 X 10MM
	TO	575	83	AXILLARY REGION-LEFT	
				WEEK 79	
		582	84	MASS(ES)	15 X 15MM
	TO	596	86	AXILLARY REGION-LEFT	
				WEEK 79	
		603	87	MASS(ES)	25 X 25MM
	TO	645	93	AXILLARY REGION-LEFT	
				WEEK 79	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93095	F4	652	94	MASS(ES)	20 X 20MM
	TO	659	95	AXILLARY REGION-LEFT	
				WEEK 79	
		666	96	MASS(ES)	20 X 30MM
	TO	687	99	AXILLARY REGION-LEFT	
				WEEK 79	
		694	100	MASS(ES)	30 X 25MM
	TO	701	101	AXILLARY REGION-LEFT	
				WEEK 79	
		708	102	MASS(ES)	35 X 30MM
				AXILLARY REGION-LEFT	
				WEEK 79	
		715	103	MASS(ES)	40 X 35MM
	TO	729	105	AXILLARY REGION-LEFT	
				WEEK 79	
		673	97	MASS(ES)	20 X 20MM
	TO	687	99	INGUINAL REGION-LEFT	
				WEEK 97	
		694	100	MASS(ES)	30 X 30MM
	TO	701	101	INGUINAL REGION-LEFT	
				WEEK 97	
		708	102	MASS(ES)	30 X 45MM
				INGUINAL REGION-LEFT	
				WEEK 97	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93095	F4	715	103	MASS(ES)	40 X 50MM
	TO	719	103	INGUINAL REGION-LEFT	
				WEEK 97	
		722	104	MASS(ES)	55 X 40MM
	TO	729	105	INGUINAL REGION-LEFT	
				WEEK 97	
		694	100	MASS(ES)	10 X 10MM
	TO	701	101	SHOULDER-LEFT	
				WEEK 100	
		673	97	MASS(ES)	10 X 10MM
	TO	687	99	VENTRAL-ABDOMINAL	
				WEEK 97	
		694	100	MASS(ES)	20 X 20MM
	TO	729	105	VENTRAL-ABDOMINAL	
				WEEK 97	
C93097	F4	680	98	DISCHARGE	AXILLARY LEFT MASS BLEEDING
	TO	680	98	OTHER	
		477	69	MASS(ES)	10 X 10MM
				AXILLARY REGION-LEFT	
				WEEK 69	
		484	70	MASS(ES)	20 X 30MM
	TO	498	72	AXILLARY REGION-LEFT	
				WEEK 69	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93097	F4	505	73	MASS(ES)	30 X 30MM
		TO 519	75	AXILLARY REGION-LEFT	
				WEEK 69	
		526	76	MASS(ES)	20 X 20MM
		TO 547	79	AXILLARY REGION-LEFT	
				WEEK 69	
		554	80	MASS(ES)	30 X 30MM
		TO 624	90	AXILLARY REGION-LEFT	
				WEEK 69	
		631	91	MASS(ES)	40 X 40MM
				AXILLARY REGION-LEFT	
				WEEK 69	
		638	92	MASS(ES)	55 X 60MM
		TO 680	98	AXILLARY REGION-LEFT	
				WEEK 69	
		435	63	MASS(ES)	15 X 15MM
		TO 449	65	VENTRAL-ABDOMINAL-LEFT	
				WEEK 63	
		456	66	MASS(ES)	25 X 20M
		TO 498	72	VENTRAL-ABDOMINAL-LEFT	
				WEEK 63	
		505	73	MASS(ES)	40 X 25MM
		TO 512	74	VENTRAL-ABDOMINAL-LEFT	
				WEEK 63	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93097	F4	519	75	MASS(ES)	30 X 20MM
	TO	533	77	VENTRAL-ABDOMINAL-LEFT	
				WEEK 63	
		540	78	MASS(ES)	30 X 30MM
	TO	554	80	VENTRAL-ABDOMINAL-LEFT	
				WEEK 63	
		561	81	MASS(ES)	40 X 30MM
	TO	603	87	VENTRAL-ABDOMINAL-LEFT	
				WEEK 63	
		610	88	MASS(ES)	40 X 40MM
				VENTRAL-ABDOMINAL-LEFT	
				WEEK 63	
		617	89	MASS(ES)	40 X 50MM
	TO	645	93	VENTRAL-ABDOMINAL-LEFT	
				WEEK 63	
		652	94	MASS(ES)	40 X 35MM
	TO	659	95	VENTRAL-ABDOMINAL-LEFT	
				WEEK 63	
		666	96	MASS(ES)	40 X 35MM
	TO	680	98	VENTRAL-ABDOMINAL-LEFT	
				WEEK 63	
		540	78	MASS(ES)	15 X 15MM
				VENTRAL-CERVICAL	
				WEEK 78	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93097	F4	547	79	MASS(ES)	20 X 20MM
	TO	582	84	VENTRAL-CERVICAL	
				WEEK 78	
		589	85	MASS(ES)	30 X 30MM
				VENTRAL-CERVICAL	
				WEEK 78	
		596	86	MASS(ES)	40 X 30MM
	TO	610	88	VENTRAL-CERVICAL	
				WEEK 78	
		617	89	MASS(ES)	50 X 40MM
	TO	624	90	VENTRAL-CERVICAL	
				WEEK 78	
		631	91	MASS(ES)	40 X 40MM
	TO	638	92	VENTRAL-CERVICAL	
				WEEK 78	
		645	93	MASS(ES)	50 X 50MM
	TO	680	98	VENTRAL-CERVICAL	
				WEEK 78	
		372	54	MASS(ES)	15 X 15MM
	TO	421	61	VENTRAL-CERVICAL-LEFT	
				WEEK 54	
C93098	F4	547	79	MASS(ES)	20 X 20MM
	TO	561	81	INGUINAL REGION-RIGHT	
				WEEK 79	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93099	F4	477	69	MASS(ES)	10 X 10MM
	TO	554	80	AXILLARY REGION-LEFT	
				WEEK 69	
		561	81	MASS(ES)	15 X 15MM
	TO	589	85	AXILLARY REGION-LEFT	
				WEEK 69	
		596	86	MASS(ES)	20 X 20MM
	TO	638	92	AXILLARY REGION-LEFT	
				WEEK 79	
		645	93	MASS(ES)	30 X 25MM
				AXILLARY REGION-LEFT	
				WEEK 79	
		652	94	MASS(ES)	20 X 20MM
				AXILLARY REGION-LEFT	
				WEEK 79	
		659	95	MASS(ES)	30 X 20MM
	TO	671	96	AXILLARY REGION-LEFT	
				WEEK 79	
		449	65	MASS(ES)	10 X 10MM
				INGUINAL REGION-LEFT	
				WEEK 65	
		498	72	MASS(ES)	15 X 15MM
	TO	554	80	VENTRAL-ABDOMINAL-LEFT	
				WEEK 72	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93099	F4	561	81	MASS(ES)	20 X 20MM
	TO	603	87	VENTRAL-ABDOMINAL-LEFT	
				WEEK 72	
		610	88	MASS(ES)	30 X 25MM
	TO	645	93	VENTRAL-ABDOMINAL-LEFT	
				WEEK 72	
		652	94	MASS(ES)	20 X 20MM
	TO	671	96	VENTRAL-ABDOMINAL-LEFT	
				WEEK 72	
		498	72	MASS(ES)	20 X 20MM
				VENTRAL-ABDOMINAL-RIGHT	
				WEEK 72	
		505	73	MASS(ES)	15 X 15MM
	TO	575	83	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 72	
C93102	F4	582	84	MASS(ES)	10 X 10MM
	TO	610	88	VENTRAL-ABDOMINAL-LEFT	
				WEEK 84	
		323	47	MASS(ES)	10 X 10MM
	TO	351	51	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 47	
C93104	F4	393	57	MASS(ES)	10 X 10MM
	TO	421	61	AXILLARY REGION-LEFT	
				WEEK 56	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93104	F4	428	62	MASS(ES)	15 X 20MM
		TO 435	63	AXILLARY REGION-LEFT	
				WEEK 56	
		442	64	MASS(ES)	20 X 25MM
		TO 449	65	AXILLARY REGION-LEFT	
				WEEK 56	
		456	66	MASS(ES)	30 X 35MM
		TO 526	76	AXILLARY REGION-LEFT	
				WEEK 56	
		533	77	MASS(ES)	40 X 40MM
				AXILLARY REGION-LEFT	
				WEEK 56	
		540	78	MASS(ES)	20 X 40MM
		TO 554	80	AXILLARY REGION-LEFT	
				WEEK 56	
		561	81	MASS(ES)	15 X 35MM
		TO 575	83	AXILLARY REGION-LEFT	
				WEEK 56	
		463	67	MASS(ES)	15 X 15MM
		TO 505	73	INGUINAL REGION-LEFT	
				WEEK 67	
		512	74	MASS(ES)	20 X 20MM
		TO 526	76	INGUINAL REGION-LEFT	
				WEEK 67	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93104	F4	400	58	MASS(ES)	15 X 15MM
		TO 407	59	VENTRAL-ABDOMINAL-LEFT	
				WEEK 58	
		414	60	MASS(ES)	20 X 20MM
		TO 421	61	VENTRAL-ABDOMINAL-LEFT	
				WEEK 58	
		428	62	MASS(ES)	30 X 25MM
		TO 463	67	VENTRAL-ABDOMINAL-LEFT	
				WEEK 58	
		470	68	MASS(ES)	30 X 30MM
		TO 477	69	VENTRAL-ABDOMINAL-LEFT	
				WEEK 58	
		484	70	MASS(ES)	70 X 40MM
				VENTRAL-ABDOMINAL-LEFT	
				WEEK 58	
		491	71	MASS(ES)	40 X 30MM
		TO 505	73	VENTRAL-ABDOMINAL-LEFT	
				WEEK 58	
		512	74	MASS(ES)	60 X 40MM
		TO 519	75	VENTRAL-ABDOMINAL-LEFT	
				WEEK 58	
		526	76	MASS(ES)	45 X 30MM
		TO 583	84	VENTRAL-ABDOMINAL-LEFT	
				WEEK 58	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93107	F4	561	81	MASS(ES)	30 X 30MM
	TO	603	87	VENTRAL-CERVICAL-RIGHT	
				WEEK 81	
		610	88	MASS(ES)	40 X 30MM
	TO	624	90	VENTRAL-CERVICAL-RIGHT	
				WEEK 81	
		631	91	MASS(ES)	50 X 30MM
				VENTRAL-CERVICAL-RIGHT	
				WEEK 81	
		638	92	MASS(ES)	50 X 50MM
	TO	645	93	VENTRAL-CERVICAL-RIGHT	
				WEEK 81	
		652	94	MASS(ES)	60 X 60MM
	TO	687	99	VENTRAL-CERVICAL-RIGHT	
				WEEK 81	
		694	100	MASS(ES)	80 X 60MM
	TO	701	101	VENTRAL-CERVICAL-RIGHT	
				WEEK 81	
		708	102	MASS(ES)	70 X 60 MM
				VENTRAL-CERVICAL-RIGHT	
				WEEK 81	
		715	103	MASS(ES)	70 X 80MM
	TO	731	105	VENTRAL-CERVICAL-RIGHT	
				WEEK 81	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93110	F4	624	90	MASS(ES)	20 X 20MM
	TO	630	90	AXILLARY REGION-RIGHT	
				WEEK 90	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93111	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C93112	3	53	EYES	
			RED DISCHARGE	
			EYE-LEFT	316
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 323, 330, 337, 344, 351, 358, 365-366
			SURGERY	
			PERFORMED BY	
			PATTIE MURPHY	359
			ANTIBIOTIC	
			ADMINISTERED	
			0.5 ML	359-360
C93113	T	105	EYES	
			SCAB	
			EYE-RIGHT	554
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 519, 526, 533, 540, 547, 561, 568, 575, 582

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93113	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673 680, 687, 694, 701, 708
			MASS(ES)	
			INGUINAL REGION-RIGHT	
			WEEK 73	505, 512
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 103	715C, 722C, 729C, 731C
C93114	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22
C93115	T	105	SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	393
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673 680, 687, 694, 701, 708, 715, 722, 729, 732
			MASS(ES)	
			INGUINAL REGION-LEFT	
			WEEK 73	505, 512

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93116	3	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365-366
C93117	3	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365-366
C93118	M	93	APPEARANCE	
			MALOCCLUSION	190, 197, 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274 281, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645
			MISSING	
			TEETH	624, 631, 638, 645
			THIN	491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575 582, 589, 596, 603, 610, 617, 624, 631, 638, 645
			EYES	
			PROTRUDING	
			EYES	512
			SKIN & PELAGE	
			SORE/SCAB	
			MOUTH	99
			VENTRAL-ABDOMINAL-LEFT	624, 631, 638, 645

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93118	M	93	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 106, 113 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 288, 295, 302 309, 316, 323, 330
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 49	337C, 344C, 351C, 358C, 365C, 372C, 379C, 386C, 393C, 400C, 407C 414C, 421C, 428C, 435C, 442C, 449C, 456C, 463C, 470C, 477C, 484C 491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C 645C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 53	365C, 372C, 379C, 386C, 393C, 400C, 407C, 414C, 421C, 428C, 435C
C93119	M	92	APPEARANCE	
			MALOCCLUSION	441-442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512, 519 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610 617, 624, 631, 638
			EYES	
			DISCOLORED/LIGHT RED	
			EYE-RIGHT	505, 512
			RESPIRATION	
			AUDIBLE	441-442, 449
			SKIN & PELAGE	
			ROUGH HAIR COAT	554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638
			SORE/SCAB	
			DORSAL	617, 624, 631, 638
			MOUTH	449

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93119	M	92	SKIN & PELAGE	
			SORE/SCAB	
			SHOULDER-RIGHT	547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631 638
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435
C93120	3	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365-366
			SURGERY	
			PERFORMED BY	
			KATHY EWERS	359
			ANTIBIOTIC	
			ADMINISTERED	
			0.5 ML	359-360

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93121	M	79	APPEARANCE	
			HEAD TILT	
			LEFT	547, 549
			THIN	505, 512, 519, 526, 533, 540, 547, 549
			TREMORS	
			ENTIRE BODY	549
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	549
			COLD TO TOUCH	
			ENTIRE BODY	549
			EXCRETION	
			FEW FECES	512, 526, 533, 540
			SKIN & PELAGE	
			ROUGH HAIR COAT	519, 526, 533, 540, 547, 549
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93122	M	92	APPEARANCE	
			THIN	642
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	642
			EXCRETION	
			DISCOLORED FECES	
			YELLOW IN COLOR	642
			FEW FECES	641-642
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456
			MASS(ES)	
			INGUINAL REGION-LEFT	
			WEEK 71	491, 498, 505, 512C
			INGUINAL REGION-RIGHT	
			WEEK 72	498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C 641-642C
			WEEK 78	540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C 617C, 624C, 631C, 638C, 641-642C
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 71	519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C 596C, 603C, 610C, 617C, 624C, 631C, 638C, 641-642C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93122	M	92	MASS(ES)	
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 67	463C, 470C, 477C, 484C, 491C, 498C, 505C, 512C, 519C, 526C, 533C 540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C 617C, 624C, 631C, 638C, 641-642C
C93123	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22
C93124	T	105	APPEARANCE	
			THIN	673, 680, 687, 694, 701, 708, 715, 722, 729, 732
			SKIN & PELAGE	
			BLUE SKIN	
			VENTRAL-ABDOMINAL-LEFT	729, 732
			BLACK SKIN	
			VENTRAL-ABDOMINAL-LEFT	596, 603, 610, 617, 624, 631, 638
			PALE	
			ENTIRE BODY	589
			SORE/SCAB	
			VENTRAL-ABDOMINAL	666, 673, 680, 687, 694
			VENTRAL-ABDOMINAL-LEFT	610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 694 701, 708, 715, 722, 729, 732
			VENTRAL-ABDOMINAL-RIGHT	729, 732
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER	GROUP: F5 DOSE: 20 PPM DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93124	T	105	MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 73	505, 512, 519, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C 582C, 589C, 596C, 603C, 610C, 617C
			WEEK 94	652C, 659C
			WEEK 102	708C, 715C, 722C, 729C, 732C
			DORSAL	
			WEEK 76	526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C
			INGUINAL REGION-LEFT	
			WEEK 76	526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C
			INGUINAL REGION-RIGHT	
			WEEK 72	498C, 505C, 512C
			SHOULDER-LEFT	
			WEEK 95	659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C, 729C 732C
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 71	491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C 722C, 729C, 732C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 72	519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C 673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C, 729C, 732C
			WEEK 85	589C
			WEEK 94	652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C 729C, 732C
			VENTRAL-CERVICAL-LEFT	
			WEEK 102	708C, 715C, 722C, 729C, 732C
			VENTRAL-THORACIC-RIGHT	
			WEEK 71	491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93124	T	105	MASS(ES)	
			VENTRAL-THORACIC-RIGHT	
			WEEK 97	673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C, 729C, 732C
C93125	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 731
C93126	M	58	APPEARANCE	
			THIN	400, 406
			BEHAVIOR	
			HYPOACTIVE	
			MODERATE	406
			RECUMBENT	
			LATERAL	406
			DISCHARGE	
			NASAL	
			RED IN COLOR	406
			EYES	
			RED DISCHARGE	
			EYES	406

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93126	M	58	SKIN & PELAGE	
			ROUGH HAIR COAT	400, 406
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 330, 337, 344, 351, 358, 365, 372, 379, 386 393
			MASS(ES)	
			VENTRAL-THORACIC-LEFT	
			WEEK 47	323
C93127	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C93128	M	100	BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	694
			EYES	
			RED DISCHARGE	
			EYES	694
			RESPIRATION	
			LABORED	694
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	512, 519, 526, 533, 540, 547, 554

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93128	M	100	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 561, 568, 575, 582, 589, 596, 603, 610 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687
			MASS(ES)	
			INGUINAL REGION-RIGHT	
			WEEK 74	512
C93129	D	100	EYES	
			DILATED PUPIL	
			EYES	610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 694
			DISCOLORED/LIGHT RED	
			EYES	666, 673, 680, 687, 694
			PROTRUDING	
			EYES	491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666 673, 680, 687, 694
			SKIN & PELAGE	
			SORE/SCAB	
			MOUTH	554
			PAW-HIND-RIGHT	554, 561, 568
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93129	D	100	NORMAL	
			NO REMARKABLE OBSERVATIONS	295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484
C93130	3	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365-366
C93131	M	96	APPEARANCE	
			HUNCHED	666
			THIN	666
			EYES	
			RED DISCHARGE	
			EYES	652, 666
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	652
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93131	M	96	MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 91	631, 638, 645, 652
			AXILLARY REGION-RIGHT	
			WEEK 68	470C, 477C, 484C, 491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C 547C, 554C, 561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C 624C, 631C, 638C, 645C, 652C, 659C, 666C
			INGUINAL REGION-RIGHT	
			WEEK 89	617C, 624C, 631C, 638C, 645C, 652C, 659C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 58	400C, 407C, 414C, 421C, 428C, 435C, 442C, 449C, 456C, 463C, 470C 477C, 484C, 491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C 554C, 561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C 631C, 638C, 645C, 652C, 659C, 666C
C93132	M	105	APPEARANCE	
			HUNCHED	729
			THIN	729
			EXCRETION	
			FEW FECES	729
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-LEFT	617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701 708, 715, 722, 729
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93132	M	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	386, 393, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 519 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610
			MASS(ES)	
			INGUINAL REGION-RIGHT	
			WEEK 72	498, 505, 512
			VENTRAL-ABDOMINAL	
			WEEK 97	673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C, 729C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 58	400C, 407C, 414C, 421C
C93133	T	105	APPEARANCE	
			MALOCCLUSION	673
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 680, 687, 694, 701, 708, 715, 722, 729, 733

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

CATEGORY GROUP: F5 DOSE: 20 PPM

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	KEYWORD / QUALIFIER	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93134	D	68	APPEARANCE	
			MALOCCLUSION	78, 85, 92, 99, 106
			SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL	190, 197, 204, 211
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 113, 120, 127, 134 141, 148, 155, 162, 169, 176, 183, 218, 225, 232, 239, 246, 253 260, 267, 274, 281, 288, 295, 302, 309, 316, 323
			MASS(ES)	
			SHOULDER-LEFT	
			WEEK 48	330C, 337C, 344C, 351C, 358C, 365C, 372C, 379C, 386C, 393C, 400C 407C, 414C, 421C, 428C, 435C, 442C, 449C, 456C, 463C, 470C, 473C
C93135	T	105	APPEARANCE	
			MALOCCLUSION	169, 176, 183, 190, 197, 204, 211, 218, 225, 232, 239, 246, 253 260, 267, 274, 281, 288, 295, 302, 309, 316, 323, 330, 337, 344 351, 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435 442, 449, 456, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526 533, 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617 624, 631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708 715, 722, 729, 731
			MISSING	
			TEETH	512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687 694, 701, 708, 715, 722, 729, 731
			THIN	554, 561, 568, 575

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93135	T	105	SKIN & PELAGE	
			SORE/SCAB	
			PAWS-HIND	708, 715, 722, 729, 731
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162
			MASS(ES)	
			INGUINAL REGION-LEFT	
			WEEK 74	512
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 74	519, 526C, 533C
C93136	D	55	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 385
C93137	T	105	APPEARANCE	
			CONVULSIONS	295, 302, 316, 323, 428, 456, 477, 641, 708
			MALOCCLUSION	568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 641, 645 652, 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 732
			MISSING	
			TEETH	708, 722, 729, 732
			SKIN & PELAGE	
			SORE/SCAB	
			HEAD-ENTIRE	659, 666, 673, 680, 687, 694, 701, 708
			PAW-HIND-LEFT	617, 624, 631, 638, 641, 645, 652, 659, 666

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93137	T	105	SKIN & PELAGE	
			SORE/SCAB	
			PAWS-HIND	673, 680, 687, 694, 701, 708, 715, 722, 729, 732
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 309, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407 414, 421, 435, 442, 449, 463, 470, 484, 491, 498, 505, 512, 519 526
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 85	589C, 596C, 603C, 610C, 617C, 624C
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 77	533C, 540C, 547C, 554C, 561C, 568C, 575C
C93138	3	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365-366
C93139	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 477 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93139	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 733
			MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 68	470C
C93140	T	105	EYES	
			RED DISCHARGE	
			EYE-RIGHT	400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666 673, 680, 687, 694, 701, 708, 715, 722, 729, 732
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 102	708C, 715C, 722C, 729C, 732C
			INGUINAL REGION-RIGHT	
			WEEK 104	722C, 729C, 732C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 93	645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C 722C, 729C, 732C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93141	M	100	BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	698
			EXCRETION	
			NO FECES	698
			EYES	
			RED DISCHARGE	
			EYE-RIGHT	698
			SKIN & PELAGE	
			RED HAIR COAT	
			PERINEAL AREA	694, 698
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93142	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22
C93143	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C93144	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22
C93145	D	75	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 519, 523
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 72	498, 505, 512
C93146	T	105	APPEARANCE	
			THIN	554, 561
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 568, 575 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93146	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	673, 680, 687
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 100	694
			WEEK 102	708C, 715C, 722C, 729C, 732C
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 100	694C, 701C, 708C, 715C, 722C, 729C, 732C
C93147	3	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365-366
C93148	D	91	EYES	
			CLEAR DISCHARGE	
			EYE-RIGHT	547, 554, 561
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 589, 596, 603 610, 617, 624, 631, 636
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 79	547, 554, 561, 568, 575, 582

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93149	T	105	EXCRETION	
			FEW FECES	701, 708, 715, 722
			EYES	
			PROTRUDING	
			EYES	512
			SKIN & PELAGE	
			ALOPECIA	554
			RED HAIR COAT	
			HEAD-ENTIRE	547, 554
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 519, 526, 533, 540, 561, 568, 575, 582 589, 596, 603, 610, 617, 624
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 91	631C, 638C, 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C 708C, 715C, 722C, 729C, 731C
			HEAD-MAXILLARY-LEFT	
			WEEK 98	680
			VENTRAL-CERVICAL-LEFT	
			WEEK 100	694C, 701C, 708C, 715C, 722C, 729C, 731C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93150	M	92	APPEARANCE	
			HEAD TILT	
			RIGHT	610, 617, 624, 631, 638, 640
			THIN	624, 631
			BEHAVIOR	
			RECUMBENT	
			LATERAL	640
			DISCHARGE	
			NASAL	
			RED IN COLOR	640
			EXCRETION	
			FEW FECES	624, 631
			EYES	
			SQUINTED	
			PERI-ORBITAL-RIGHT	547, 554
			RESPIRATION	
			IRREGULAR	640
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 582, 589, 596 603

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93150	M	92	MASS(ES)	
			VENTRAL-CERVICAL-LEFT	
			WEEK 81	561, 568, 575
C93151	T	105	DISCHARGE	
			GENITAL	
			RED IN COLOR	610
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 89	617, 624, 631C, 638C, 645C, 652C, 659C, 666C, 673C, 680C, 687C 694C, 701C, 708C, 715C, 722C, 729C, 733C
			INGUINAL REGION-LEFT	
			WEEK 79	547, 554, 561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C 624C, 631C, 638C, 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C 701C, 708C, 715C, 722C, 729C, 733C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER	GROUP: F5 DOSE: 20 PPM DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93152	M	66	APPEARANCE	
			HUNCHED	449, 456
			THIN	456
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	456
			DISCHARGE	
			NASAL	
			RED IN COLOR	456
			EXCRETION	
			FEW FECES	442, 449
			EYES	
			RED DISCHARGE	
			EYES	442, 456
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 53	365C, 372C, 379C, 386C, 393C, 400C, 407C, 414C, 421C, 428C, 435C 442C, 449C, 456C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93153	T	105	APPEARANCE	
			SWOLLEN	
			PAW-HIND-LEFT	659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 732
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-LEFT	505, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624 631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701
			PAWS-HIND	708, 715, 722, 729, 732
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 512, 519, 526, 533, 540
			MASS(ES)	
			DORSAL	
			WEEK 91	631C, 638C, 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C 708C, 715C, 722C, 729C, 732C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 81	561, 568, 575, 582

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93154	3	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365-366
			SURGERY	
			PERFORMED BY	
			JOHN VAN BERKUM	359
			ANTIBIOTIC	
			ADMINISTERED	
			0.5 ML	359-360
C93155	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C93156	M	86	APPEARANCE	
			THIN	533, 540, 547, 554, 561, 568, 575, 582, 589, 595-596
			EXCRETION	
			FEW FECES	531, 533, 540
			EYES	
			CLEAR DISCHARGE	
			EYE-LEFT	561
			EYE-RIGHT	568, 575, 582, 589
			EYES	547, 554
			PALE	
			EYE-RIGHT	595-596
			PROTRUDING	
			EYE-RIGHT	595-596

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER	GROUP: F5 DOSE: 20 PPM DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93156	M	86	EYES	
			RED DISCHARGE	
			EYE-RIGHT	442, 449, 456, 463, 470, 561
			EYES	491, 498, 505, 512, 519, 526, 531, 533, 540
			SCAB	
			EYE-RIGHT	595-596
			SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-ABDOMINAL	435
			VENTRAL-CERVICAL	568, 575, 582, 589, 595-596
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358
			MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 84	582C, 589C, 595-596C
			VENTRAL-CERVICAL	
			WEEK 53	365C, 372C, 379C, 386C, 393C, 400C, 407C, 414C, 421C, 428C, 435C 442C, 449C, 456C, 463C, 470C, 477C, 484C, 491C, 498C, 505C, 512C 519C, 526C, 531C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C 589C, 595-596C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93157	T	105	EYES	
			PROTRUDING	
			EYES	512
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 435, 442, 449, 456, 463, 470, 477, 484, 491 498, 505, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680 687, 694, 701, 708, 715, 722, 729, 733
			WART LIKE LESION(S)	
			MOUTH	
			WEEK 47	323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407 414, 421, 428
C93158	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484
			MASS(ES)	
			INGUINAL REGION-RIGHT	
			WEEK 71	491C, 498C, 505C, 512C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 71	519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93158	T	105	MASS(ES)	
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 71	673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C, 729C, 731C
C93159	1	4	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22
C93160	M	76	APPEARANCE	
			SWOLLEN	
			VENTRAL-ABDOMINAL	519, 526
			THIN	519, 526
			BEHAVIOR	
			COLD TO TOUCH	
			ENTIRE BODY	526
			EXCRETION	
			FEW FECES	491, 498, 504-505, 512, 526
			NO FECES	506
			EYES	
			SQUINTED	
			PERI-ORBITAL-RIGHT	504
			SKIN & PELAGE	
			BROWN HAIR COAT	
			PERINEAL AREA	505-506, 512
			SORE/SCAB	
			HEAD-MAXILLARY-RIGHT	197, 204, 211
			PAWS-HIND	505-506, 512, 519, 526
			YELLOW HAIR COAT	519, 526

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93160	M	76	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 218 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484
			WART LIKE LESION(S)	
			NOSE	
			WEEK 72	498, 504-506, 512, 519, 526
C93161	T	105	APPEARANCE	
			SWOLLEN	
			DORSAL	589
			LIMB-HIND-LEFT	589, 596, 603, 610
			PAW-HIND-LEFT	589, 596, 603
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-LEFT	729, 731
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680 687, 694, 701, 708, 715, 722

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93162	T	105	APPEARANCE	
			MALOCCLUSION	90, 106, 113, 120, 127, 134, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 731
			MISSING	
			TEETH	90, 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190 197, 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281 288, 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372 379, 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463 470, 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645 652, 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 731
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99
			MASS(ES)	
			INGUINAL REGION-LEFT	
			WEEK 102	708C, 715C, 722C, 729C, 731C
			VENTRAL-ABDOMINAL	
			WEEK 93	645, 652, 659

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93163	3	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365-366
			SURGERY	
			PERFORMED BY	
			PATTIE MURPHY	359
			ANTIBIOTIC	
			ADMINISTERED	
			0.5 ML	359-360
C93164	T	105	SKIN & PELAGE	
			BLUE SKIN	
			VENTRAL-ABDOMINAL-LEFT	729, 731
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526
			MASS(ES)	
			INGUINAL REGION-LEFT	
			WEEK 77	533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C, 596C, 603C 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C, 673C, 680C 687C, 694C, 701C, 708C, 715C, 722C, 729C, 731C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93165	T	105	SKIN & PELAGE	
			ALOPECIA	554, 561, 666, 673, 680
			SORE/SCAB	
			DORSAL-CERVICAL	708, 715, 722, 729, 733
			DORSAL-CERVICAL-LEFT	666, 673, 708, 715, 722, 729, 733
			DORSAL-CERVICAL-RIGHT	729, 733
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 78	540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C 617C, 624C, 631C, 638C, 645C, 652C
			VENTRAL-THORACIC	
			WEEK 93	645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C 722C, 729C, 733C
C93166	T	105	SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	512, 519, 526
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93166	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 533, 540, 547, 554, 561, 568, 575, 582 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673 680, 687, 694, 701, 708, 715, 722, 729, 732
C93167	M	39	APPEARANCE	
			MALOCCLUSION	253, 260, 267-268
			MISSING	
			TEETH	253
			THIN	268
			EXCRETION	
			FEW FECES	260, 267-268
			SKIN & PELAGE	
			PALE	
			ENTIRE BODY	267-268
			ROUGH HAIR COAT	260, 267-268
			YELLOW HAIR COAT	260, 267-268
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93168	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 732
C93169	2	14	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92-93
C93170	M	94	APPEARANCE	
			HEAD TILT	
			RIGHT	645, 652-653
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	653
			EYES	
			RED DISCHARGE	
			EYE-LEFT	645, 652-653
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93170	M	94	NORMAL	
			NO REMARKABLE OBSERVATIONS	568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638
C93171	3	53	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365-366
			SURGERY	
			PERFORMED BY	
			JOHN VAN BERKUM	359
			ANTIBIOTIC	
			ADMINISTERED	
			0.5 ML	359-360
C93172	M	78	APPEARANCE	
			HEAD TILT	
			LEFT	519, 526, 528, 533, 540, 546
			HUNCHED	540, 546
			THIN	533, 540, 546
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	546
			HYPOACTIVE	
			<UNSPECIFIED>	546
			EXCRETION	
			FEW FECES	504-505, 512, 528, 533, 540, 546

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93172	M	78	EYES	
			RED DISCHARGE	
			EYE-RIGHT	546
			SQUINTED	
			PERI-ORBITAL-RIGHT	498, 504-505, 512, 519, 526, 528, 533, 540, 546
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	505, 512, 519
			SORE/SCAB	
			PAW-HIND-RIGHT	512
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491
C93173	M	102	DISCHARGE	
			NASAL	
			RED IN COLOR	705, 708-709
			EXCRETION	
			FEW FECES	705, 708-709
			EYES	
			RED DISCHARGE	
			EYES	705, 708-709

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93173	M	102	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 81	561, 568, 575, 582, 589, 596, 603
			SHOULDER-RIGHT	
			WEEK 88	610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C, 673C, 680C 687C, 694C, 701C, 705C, 708-709C
C93174	T	105	APPEARANCE	
			MALOCCLUSION	400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666 673, 680, 687, 694, 701, 708, 715, 722, 729, 731
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393
			MASS(ES)	
			VENTRAL-THORACIC	
			WEEK 100	694C, 701C, 708C, 715C, 722C, 729C, 731C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93175	M	92	APPEARANCE	
			THIN	638, 641
			TREMORS	
			ENTIRE BODY	641
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	641
			COLD TO TOUCH	
			ENTIRE BODY	641
			EXCRETION	
			FEW FECES	491, 638, 641
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 498, 505, 512
			MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 75	519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C 596C, 603C, 610C, 617C, 624C, 631C, 638C, 641C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93176	M	88	APPEARANCE	
			HUNCHED	610, 613
			THIN	610, 613
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	610, 613
			RECUMBENT	
			LATERAL	613
			EXCRETION	
			NO FECES	613
			EYES	
			PROTRUDING	
			EYES	512
			RED DISCHARGE	
			EYES	610, 613
			SKIN & PELAGE	
			BLACK SKIN	
			VENTRAL-ABDOMINAL-LEFT	596, 603, 610, 613
			ROUGH HAIR COAT	610, 613
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 400 428, 435, 442, 449, 456, 463, 470, 477, 484, 491

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93176	M	88	MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 59	407, 414, 421
			AXILLARY REGION-RIGHT	
			WEEK 55	379, 386, 393
			INGUINAL REGION-LEFT	
			WEEK 72	498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C 575C, 582C, 589C, 596C, 603C, 610C, 613C
			INGUINAL REGION-RIGHT	
			WEEK 74	512
			WEEK 76	526, 533
			WEEK 79	547C, 554C, 561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C, 613C
C93177	T	105	APPEARANCE	
			MALOCCLUSION	421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673, 680, 687 694, 701, 708, 715, 722, 729, 733
			SWOLLEN	
			VENTRAL-ABDOMINAL	554
			DISCHARGE	
			CLEAR ORAL	
			<UNSPECIFIED>	568, 575
			EYES	
			PROTRUDING	
			EYES	491, 498, 505, 512
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-LEFT	708, 715

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93177	T	105	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414
C93178	T	105	EYES	
			RED DISCHARGE	
			EYE-LEFT	708, 715, 722, 729, 733
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 470, 477 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659 666, 673, 680, 687, 694, 701
			MASS(ES)	
			HEAD-MAXILLARY-LEFT	
			WEEK 67	463

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F5 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93179	T	105	EXCRETION	
			FEW FECES	708
			SKIN & PELAGE	
			ALOPECIA	554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638 645, 652
			SORE/SCAB	
			AXILLARY REGION-LEFT	701, 708, 715, 722, 729, 733
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 95	659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C, 729C 733C
C93180	M	63	SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-CERVICAL-RIGHT	57
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 64, 71, 78, 85, 92, 99, 106, 113 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197, 204 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER	GROUP: F5 DOSE: 20 PPM DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93180	M	63	MASS(ES) VENTRAL-THORACIC-LEFT WEEK 56	386C, 393C, 400C, 407C, 414C, 421C, 428C, 435C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93113	F5	715	103	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 103	20 X 20MM
		722 TO 731	104 105	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 103	20 X 20MM
C93118	F5	337	49	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 49	10 X 15MM
		344	50	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 49	20 X 20MM
		351	51	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 49	30 X 25MM
		358 TO 365	52 53	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 49	25 X 20
		372 TO 386	54 56	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 49	30 X 25MM
		393 TO 421	57 61	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 49	30 X 30MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93118	F5	428	62	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 49	40 X 30MM
		435	63	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 49	30 X 30MM
		442	64	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 49	40 X 60MM VENTRAL HIND MASSES MERGED TOGETHER.
		449 TO 477	65 69	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 49	60 X 70MM VENTRAL HIND MASSES MERGED TOGETHER.
		484 TO 491	70 71	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 49	60 X 90MM
		498	72	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 49	70 X 90MM
		505	73	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 49	70 X 70MM
		512	74	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 49	70 X 90MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93118	F5	519	75	MASS(ES)	60 X 75MM
	TO	526	76	VENTRAL-ABDOMINAL-LEFT	
				WEEK 49	
		533	77	MASS(ES)	60 X 90MM
	TO	547	79	VENTRAL-ABDOMINAL-LEFT	
				WEEK 49	
		554	80	MASS(ES)	70 X 100MM
				VENTRAL-ABDOMINAL-LEFT	
				WEEK 49	
		561	81	MASS(ES)	70 X 85MM
	TO	582	84	VENTRAL-ABDOMINAL-LEFT	
				WEEK 49	
		589	85	MASS(ES)	80 X 85MM
	TO	624	90	VENTRAL-ABDOMINAL-LEFT	
				WEEK 49	
		631	91	MASS(ES)	90 X 90MM
	TO	645	93	VENTRAL-ABDOMINAL-LEFT	
				WEEK 49	
		365	53	MASS(ES)	10 X 10MM
				VENTRAL-ABDOMINAL-RIGHT	
				WEEK 53	
		372	54	MASS(ES)	15 X 15MM
	TO	386	56	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 53	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93118	F5	393	57	MASS(ES)	20 X 20MM
	TO	428	62	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 53	
		435	63	MASS(ES)	25 X 20MM
				VENTRAL-ABDOMINAL-RIGHT	
				WEEK 53	
C93122	F5	512	74	MASS(ES)	10 X 10MM
				INGUINAL REGION-LEFT	
				WEEK 71	
		498	72	MASS(ES)	10 X 10MM
	TO	533	77	INGUINAL REGION-RIGHT	
				WEEK 72	
		540	78	MASS(ES)	15 X 15MM
	TO	575	83	INGUINAL REGION-RIGHT	
				WEEK 72	
		582	84	MASS(ES)	20 X 15MM
	TO	642	92	INGUINAL REGION-RIGHT	
				WEEK 72	
		540	78	MASS(ES)	10 X 10MM
	TO	568	82	INGUINAL REGION-RIGHT	ANTERIOR TO OTHER MASS
				WEEK 78	
		575	83	MASS(ES)	20 X 20MM
	TO	642	92	INGUINAL REGION-RIGHT	ANTERIOR TO OTHER MASS
				WEEK 78	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93122	F5	519	75	MASS(ES)	10 X 10MM
	TO	540	78	VENTRAL-ABDOMINAL-LEFT	
				WEEK 71	
		547	79	MASS(ES)	20 X 10MM
	TO	568	82	VENTRAL-ABDOMINAL-LEFT	
				WEEK 71	
		575	83	MASS(ES)	20 X 20MM
	TO	582	84	VENTRAL-ABDOMINAL-LEFT	
				WEEK 71	
		589	85	MASS(ES)	30 X 30MM
	TO	610	88	VENTRAL-ABDOMINAL-LEFT	
				WEEK 71	
		617	89	MASS(ES)	40 X 40MM
	TO	642	92	VENTRAL-ABDOMINAL-LEFT	
				WEEK 71	
		463	67	MASS(ES)	20 X 20MM
	TO	470	68	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 67	
		477	69	MASS(ES)	20 X 30MM
				VENTRAL-ABDOMINAL-RIGHT	
				WEEK 67	
		484	70	MASS(ES)	30 X 40MM
				VENTRAL-ABDOMINAL-RIGHT	
				WEEK 67	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD / QUALIFIER	FREE-TEXT COMMENT
C93122	F5	491	71	MASS(ES)	20 X 40MM
	TO	512	74	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 67	
		519	75	MASS(ES)	20 X 30MM
	TO	526	76	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 67	
		533	77	MASS(ES)	25 X 35MM
	TO	568	82	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 67	
		575	83	MASS(ES)	35 X 35MM
				VENTRAL-ABDOMINAL-RIGHT	
				WEEK 67	
		582	84	MASS(ES)	40 X 35MM
				VENTRAL-ABDOMINAL-RIGHT	
				WEEK 67	
		589	85	MASS(ES)	50 X 40MM
	TO	603	87	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 67	
		610	88	MASS(ES)	60 X 40MM
	TO	642	92	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 67	
C93124	F5	526	76	MASS(ES)	10 X 10MM
	TO	617	89	AXILLARY REGION-LEFT	
				WEEK 73	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93124	F5	652	94	MASS(ES)	10 X 10MM
	TO	659	95	AXILLARY REGION-LEFT	
				WEEK 94	
		708	102	MASS(ES)	10 X 10MM
	TO	732	105	AXILLARY REGION-LEFT	
				WEEK 102	
		526	76	MASS(ES)	10 X 10MM
	TO	554	80	DORSAL	
				WEEK 76	
		561	81	MASS(ES)	20 X 20MM
	TO	582	84	DORSAL	
				WEEK 76	
		526	76	MASS(ES)	10 X 10MM
	TO	554	80	INGUINAL REGION-LEFT	
				WEEK 76	
		561	81	MASS(ES)	15 X 15MM
	TO	582	84	INGUINAL REGION-LEFT	
				WEEK 76	
		498	72	MASS(ES)	10 X 10MM
	TO	512	74	INGUINAL REGION-RIGHT	
				WEEK 72	
		659	95	MASS(ES)	10 X 10MM
	TO	732	105	SHOULDER-LEFT	
				WEEK 95	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93124	F5	491	71	MASS(ES)	10 X 10MM
	TO	568	82	VENTRAL-ABDOMINAL-LEFT	
				WEEK 71	
		575	83	MASS(ES)	20 X 20MM
	TO	582	84	VENTRAL-ABDOMINAL-LEFT	
				WEEK 71	
		589	85	MASS(ES)	30 X 30MM
	TO	603	87	VENTRAL-ABDOMINAL-LEFT	
				WEEK 71	
		610	88	MASS(ES)	20 X 25MM
	TO	652	94	VENTRAL-ABDOMINAL-LEFT	
				WEEK 71	
		659	95	MASS(ES)	30 X 20MM
	TO	666	96	VENTRAL-ABDOMINAL-LEFT	
				WEEK 71	
		673	97	MASS(ES)	30 X 30MM
	TO	687	99	VENTRAL-ABDOMINAL-LEFT	
				WEEK 71	
		694	100	MASS(ES)	10 X 10MM
	TO	701	101	VENTRAL-ABDOMINAL-LEFT	
				WEEK 71	
		708	102	MASS(ES)	20 X 20MM
	TO	722	104	VENTRAL-ABDOMINAL-LEFT	
				WEEK 71	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93124	F5	729	105	MASS(ES)	30 X 40 MM
	TO	732	105	VENTRAL-ABDOMINAL-LEFT	
				WEEK 71	
		519	75	MASS(ES)	10 X 10MM
	TO	582	84	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 72	
		589	85	MASS(ES)	35 X 25MM
	TO	596	86	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 72	
		603	87	MASS(ES)	50 X 30MM
	TO	638	92	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 72	
		645	93	MASS(ES)	50 X 40MM
	TO	652	94	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 72	
		659	95	MASS(ES)	50 X 50MM
	TO	701	101	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 72	
		708	102	MASS(ES)	60 X 60MM
	TO	722	104	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 72	
		729	105	MASS(ES)	70 X 60 MM
	TO	732	105	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 72	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93124	F5	589	85	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 85	10 X 10MM
		652 TO 701	94 101	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 94	20 X 15MM
		708 TO 715	102 103	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 94	10 X 10MM
		722	104	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 94	20 X 20MM
		729 TO 732	105 105	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 94	30 X 30 MM
		708 TO 732	102 105	MASS(ES) VENTRAL-CERVICAL-LEFT WEEK 102	10 X 10MM
		491 TO 561	71 81	MASS(ES) VENTRAL-THORACIC-RIGHT WEEK 71	15 X 10MM
		568 TO 582	82 84	MASS(ES) VENTRAL-THORACIC-RIGHT WEEK 71	20 X 20MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93124	F5	589	85	MASS(ES)	15 X 15MM
	TO	610	88	VENTRAL-THORACIC-RIGHT	
				WEEK 71	
		617	89	MASS(ES)	10 X 10MM
				VENTRAL-THORACIC-RIGHT	
				WEEK 71	
		673	97	MASS(ES)	20 X 15MM
	TO	732	105	VENTRAL-THORACIC-RIGHT	
				WEEK 97	
C93131	F5	470	68	MASS(ES)	20 X 20MM
	TO	484	70	AXILLARY REGION-RIGHT	
				WEEK 68	
		491	71	MASS(ES)	20 X 30MM
				AXILLARY REGION-RIGHT	
				WEEK 68	
		498	72	MASS(ES)	20 X 25MM
	TO	512	74	AXILLARY REGION-RIGHT	
				WEEK 68	
		519	75	MASS(ES)	30 X 20MM
				AXILLARY REGION-RIGHT	
				WEEK 68	
		526	76	MASS(ES)	30 X 30MM
	TO	554	80	AXILLARY REGION-RIGHT	
				WEEK 68	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93131	F5	561	81	MASS(ES)	50 X 40MM
	TO	582	84	AXILLARY REGION-RIGHT WEEK 68	
		589	85	MASS(ES)	40 X 40MM
	TO	666	96	AXILLARY REGION-RIGHT WEEK 68	
		617	89	MASS(ES)	15 X 15MM
	TO	659	95	INGUINAL REGION-RIGHT WEEK 89	
		400	58	MASS(ES)	15 X 10MM
	TO	421	61	VENTRAL-ABDOMINAL-RIGHT WEEK 58	
		428	62	MASS(ES)	15 X 20MM
				VENTRAL-ABDOMINAL-RIGHT WEEK 58	
		435	63	MASS(ES)	20 X 20MM
	TO	442	64	VENTRAL-ABDOMINAL-RIGHT WEEK 58	
		449	65	MASS(ES)	30 X 30MM
	TO	477	69	VENTRAL-ABDOMINAL-RIGHT WEEK 58	
		484	70	MASS(ES)	40 X 40MM
				VENTRAL-ABDOMINAL-RIGHT WEEK 58	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93131	F5	491	71	MASS(ES)	30 X 30MM
	TO	526	76	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 58	
		533	77	MASS(ES)	35 X 40MM
	TO	540	78	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 58	
		547	79	MASS(ES)	40 X 50MM
	TO	554	80	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 58	
		561	81	MASS(ES)	50 X 40MM
	TO	582	84	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 58	
		589	85	MASS(ES)	50 X 50MM
	TO	666	96	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 58	
C93132	F5	673	97	MASS(ES)	20 X 20MM
	TO	680	98	VENTRAL-ABDOMINAL	
				WEEK 97	
		687	99	MASS(ES)	30 X 30MM
				VENTRAL-ABDOMINAL	
				WEEK 97	
		694	100	MASS(ES)	30 X 35MM
	TO	715	103	VENTRAL-ABDOMINAL	
				WEEK 97	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93132	F5	722	104	MASS(ES)	30 X 40MM
	TO	729	105	VENTRAL-ABDOMINAL	
				WEEK 97	
		400	58	MASS(ES)	10 X 10MM
	TO	421	61	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 58	
C93134	F5	330	48	MASS(ES)	15 X 20MM
	TO	337	49	SHOULDER-LEFT	
				WEEK 48	
		344	50	MASS(ES)	30 X 30MM
	TO	365	53	SHOULDER-LEFT	
				WEEK 48	
		372	54	MASS(ES)	40 X 40MM
	TO	386	56	SHOULDER-LEFT	
				WEEK 48	
		393	57	MASS(ES)	50 X 55MM
				SHOULDER-LEFT	
				WEEK 48	
		400	58	MASS(ES)	60 X 65MM
	TO	414	60	SHOULDER-LEFT	
				WEEK 48	
		421	61	MASS(ES)	60 X 90MM
				SHOULDER-LEFT	
				WEEK 48	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93134	F5	428	62	MASS(ES) SHOULDER-LEFT WEEK 48	75 X 90MM
		435	63	MASS(ES) SHOULDER-LEFT WEEK 48	80 X 85MM
		442	64	MASS(ES) SHOULDER-LEFT WEEK 48	80 X 100MM
		449 TO 473	65 68	MASS(ES) SHOULDER-LEFT WEEK 48	100 X 100MM
C93135	F5	526 TO 533	76 77	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 74	10 X 10MM
C93137	F5	589 TO 624	85 90	MASS(ES) AXILLARY REGION-LEFT WEEK 85	20 X 20MM
		533 TO 575	77 83	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 77	30 X 30MM
C93139	F5	470	68	MASS(ES) VENTRAL-ABDOMINAL WEEK 68	10 X 10MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93140	F5	708	102	MASS(ES)	10 X 10MM
	TO	732	105	AXILLARY REGION-RIGHT	
				WEEK 102	
		722	104	MASS(ES)	10 X 10MM
	TO	732	105	INGUINAL REGION-RIGHT	
				WEEK 104	
		645	93	MASS(ES)	10 X 10MM
	TO	659	95	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 93	
		666	96	MASS(ES)	15 X 15MM
	TO	701	101	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 93	
		708	102	MASS(ES)	15 X 20MM
	TO	732	105	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 93	
C93146	F5	708	102	MASS(ES)	10 X 10MM
	TO	732	105	AXILLARY REGION-RIGHT	
				WEEK 102	
		694	100	MASS(ES)	15 X 15MM
	TO	722	104	VENTRAL-ABDOMINAL-LEFT	
				WEEK 100	
		729	105	MASS(ES)	20 X 20 MM
	TO	732	105	VENTRAL-ABDOMINAL-LEFT	
				WEEK 100	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93149	F5	631	91	MASS(ES)	10 X 10MM
	TO	645	93	AXILLARY REGION-LEFT	
				WEEK 91	
		652	94	MASS(ES)	15 X 15MM
	TO	687	99	AXILLARY REGION-LEFT	
				WEEK 91	
		694	100	MASS(ES)	20 X 20MM
	TO	731	105	AXILLARY REGION-LEFT	
				WEEK 91	
		694	100	MASS(ES)	10 X 10MM
	TO	708	102	VENTRAL-CERVICAL-LEFT	
				WEEK 100	
		715	103	MASS(ES)	15 X 15MM
				VENTRAL-CERVICAL-LEFT	
				WEEK 100	
		722	104	MASS(ES)	15 X 15MM
	TO	731	105	VENTRAL-CERVICAL-LEFT	
				WEEK 100	
C93151	F5	631	91	MASS(ES)	10 X 10MM
	TO	638	92	AXILLARY REGION-LEFT	
				WEEK 89	
		645	93	MASS(ES)	15 X 15MM
	TO	701	101	AXILLARY REGION-LEFT	
				WEEK 89	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93151	F5	708	102	MASS(ES)	20 X 20MM
	TO	722	104	AXILLARY REGION-LEFT	
				WEEK 89	
		729	105	MASS(ES)	30 X 20MM
	TO	733	105	AXILLARY REGION-LEFT	
				WEEK 89	
		561	81	MASS(ES)	10 X 10MM
	TO	589	85	INGUINAL REGION-LEFT	
				WEEK 79	
		596	86	MASS(ES)	15 X 15MM
				INGUINAL REGION-LEFT	
				WEEK 79	
		603	87	MASS(ES)	30 X 30MM
				INGUINAL REGION-LEFT	
				WEEK 79	
		610	88	MASS(ES)	23 X 45MM
				INGUINAL REGION-LEFT	
				WEEK 79	
		617	89	MASS(ES)	35 X 40MM
	TO	631	91	INGUINAL REGION-LEFT	
				WEEK 79	
		638	92	MASS(ES)	45 X 50MM
	TO	645	93	INGUINAL REGION-LEFT	
				WEEK 79	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93151	F5	652	94	MASS(ES) INGUINAL REGION-LEFT WEEK 79	45 X 70MM
		659 TO 673	95 97	MASS(ES) INGUINAL REGION-LEFT WEEK 79	70 X 55MM
		680 TO 701	98 101	MASS(ES) INGUINAL REGION-LEFT WEEK 79	70 X 80MM
		708 TO 733	102 105	MASS(ES) INGUINAL REGION-LEFT WEEK 79	70 X 100MM
C93152	F5	365	53	MASS(ES) AXILLARY REGION-RIGHT WEEK 53	10 X 10MM
		372 TO 442	54 64	MASS(ES) AXILLARY REGION-RIGHT WEEK 53	20 X 20MM
		449 TO 456	65 66	MASS(ES) AXILLARY REGION-RIGHT WEEK 53	25 X 25MM
C93153	F5	631 TO 645	91 93	MASS(ES) DORSAL WEEK 91	10 X 10MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93153	F5	652	94	MASS(ES)	15 X 20MM
	TO	666	96	DORSAL	
				WEEK 91	
		673	97	MASS(ES)	25 X 20MM
	TO	680	98	DORSAL	
				WEEK 91	
		687	99	MASS(ES)	30 X 20MM
	TO	715	103	DORSAL	
				WEEK 91	
		722	104	MASS(ES)	40 X 40MM
	TO	732	105	DORSAL	
				WEEK 91	
C93156	F5	582	84	MASS(ES)	10 X 10MM
	TO	596	86	VENTRAL-ABDOMINAL	
				WEEK 84	
		365	53	MASS(ES)	10 X 10MM
	TO	372	54	VENTRAL-CERVICAL	
				WEEK 53	
		379	55	MASS(ES)	15 X 20MM
	TO	421	61	VENTRAL-CERVICAL	
				WEEK 53	
		428	62	MASS(ES)	15 X 35MM
				VENTRAL-CERVICAL	
				WEEK 53	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93156	F5	435	63	MASS(ES) VENTRAL-CERVICAL WEEK 53	20 X 30MM
		442	64	MASS(ES) VENTRAL-CERVICAL WEEK 53	30 X 30MM
		449 TO 477	65 69	MASS(ES) VENTRAL-CERVICAL WEEK 53	30 X 40MM
		484	70	MASS(ES) VENTRAL-CERVICAL WEEK 53	45 X 55MM
		491 TO 554	71 80	MASS(ES) VENTRAL-CERVICAL WEEK 53	40 X 50MM
		561	81	MASS(ES) VENTRAL-CERVICAL WEEK 53	50 X 50MM
		568 TO 595	82 85	MASS(ES) VENTRAL-CERVICAL WEEK 53	50 X 40MM
		596 TO 596	86 86	MASS(ES) VENTRAL-CERVICAL WEEK 53	40 X 50MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93158	F5	491	71	MASS(ES)	10 X 10MM
	TO	498	72	INGUINAL REGION-RIGHT	
				WEEK 71	
		505	73	MASS(ES)	15 X 15MM
	TO	512	74	INGUINAL REGION-RIGHT	
				WEEK 71	
		519	75	MASS(ES)	15 X 15MM
	TO	526	76	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 71	
		533	77	MASS(ES)	20 X 20MM
	TO	554	80	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 71	
		561	81	MASS(ES)	30 X 20MM
	TO	603	87	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 71	
		610	88	MASS(ES)	60 X 50MM
				VENTRAL-ABDOMINAL-RIGHT	
				WEEK 71	
		617	89	MASS(ES)	50 X 40MM
	TO	680	98	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 71	
		687	99	MASS(ES)	70 X 40MM
	TO	701	101	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 71	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93158	F5	708	102	MASS(ES)	70 X 60MM
	TO	731	105	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 71	
C93162	F5	708	102	MASS(ES)	10 X 10MM
	TO	731	105	INGUINAL REGION-LEFT	
				WEEK 102	
C93164	F5	533	77	MASS(ES)	10 X 10MM
	TO	603	87	INGUINAL REGION-LEFT	
				WEEK 77	
		610	88	MASS(ES)	15 X 15MM
	TO	631	91	INGUINAL REGION-LEFT	
				WEEK 77	
		638	92	MASS(ES)	25 X 20MM
	TO	652	94	INGUINAL REGION-LEFT	
				WEEK 77	
		659	95	MASS(ES)	30 X 20MM
				INGUINAL REGION-LEFT	
				WEEK 77	
		666	96	MASS(ES)	40 X 30MM
				INGUINAL REGION-LEFT	
				WEEK 77	
		673	97	MASS(ES)	30 X 20MM
				INGUINAL REGION-LEFT	
				WEEK 77	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93164	F5	680	98	MASS(ES)	40 X 25MM
	TO	694	100	INGUINAL REGION-LEFT	
				WEEK 77	
		701	101	MASS(ES)	50 X 30MM
	TO	715	103	INGUINAL REGION-LEFT	
				WEEK 77	
		722	104	MASS(ES)	65 X 40MM
	TO	731	105	INGUINAL REGION-LEFT	
				WEEK 77	
C93165	F5	540	78	MASS(ES)	10 X 10MM
	TO	652	94	AXILLARY REGION-RIGHT	
				WEEK 78	
		645	93	MASS(ES)	20 X 20MM
	TO	652	94	VENTRAL-THORACIC	
				WEEK 93	
		659	95	MASS(ES)	30 X 20MM
	TO	701	101	VENTRAL-THORACIC	
				WEEK 93	
		708	102	MASS(ES)	30 X 30MM
	TO	733	105	VENTRAL-THORACIC	
				WEEK 93	
C93173	F5	610	88	MASS(ES)	15 X 25M
	TO	624	90	SHOULDER-RIGHT	
				WEEK 88	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93173	F5	631	91	MASS(ES) SHOULDER-RIGHT WEEK 88	15 X 20MM
		638 TO 687	92 TO 99	MASS(ES) SHOULDER-RIGHT WEEK 88	20 X 25MM
		694 TO 709	100 TO 102	MASS(ES) SHOULDER-RIGHT WEEK 88	20 X 30MM
C93174	F5	694 TO 701	100 TO 101	MASS(ES) VENTRAL-THORACIC WEEK 100	15 X 15MM
		708 TO 722	102 TO 104	MASS(ES) VENTRAL-THORACIC WEEK 100	20 X 20MM
		729 TO 731	105 TO 105	MASS(ES) VENTRAL-THORACIC WEEK 100	30 X 20 MM
C93175	F5	519 TO 540	75 TO 78	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 75	20 X 20MM
		547 TO 554	79 TO 80	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 75	30 X 30MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93175	F5	561	81	MASS(ES)	40 X 40MM
	TO	582	84	VENTRAL-ABDOMINAL-LEFT	
				WEEK 75	
		589	85	MASS(ES)	50 X 40MM
	TO	603	87	VENTRAL-ABDOMINAL-LEFT	
				WEEK 75	
		610	88	MASS(ES)	60 X 60MM
	TO	631	91	VENTRAL-ABDOMINAL-LEFT	
				WEEK 75	
		638	92	MASS(ES)	60 X 50MM
	TO	641	92	VENTRAL-ABDOMINAL-LEFT	
				WEEK 75	
C93176	F5	498	72	MASS(ES)	10 X 10MM
	TO	505	73	INGUINAL REGION-LEFT	
				WEEK 72	
		512	74	MASS(ES)	15 X 15MM
				INGUINAL REGION-LEFT	
				WEEK 72	
		519	75	MASS(ES)	15 X 15MM
				INGUINAL REGION-LEFT	
				WEEK 72	
		526	76	MASS(ES)	15 X 15MM
				INGUINAL REGION-LEFT	
				WEEK 72	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93176	F5	533	77	MASS(ES) INGUINAL REGION-LEFT WEEK 72	15 X 15MM
		540	78	MASS(ES) INGUINAL REGION-LEFT WEEK 72	20 X 20MM
		547	79	MASS(ES) INGUINAL REGION-LEFT WEEK 72	20 X 20MM
		554	80	MASS(ES) INGUINAL REGION-LEFT WEEK 72	20 X 20MM
		561	81	MASS(ES) INGUINAL REGION-LEFT WEEK 72	20 X 20MM
		568	82	MASS(ES) INGUINAL REGION-LEFT WEEK 72	30 X 20MM
		575	83	MASS(ES) INGUINAL REGION-LEFT WEEK 72	30 X 20MM
		582	84	MASS(ES) INGUINAL REGION-LEFT WEEK 72	30 X 20MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93176	F5	589	85	MASS(ES) INGUINAL REGION-LEFT WEEK 72	30 X 20MM
		596	86	MASS(ES) INGUINAL REGION-LEFT WEEK 72	30 X 20MM
		603	87	MASS(ES) INGUINAL REGION-LEFT WEEK 72	30 X 20MM
		610	88	MASS(ES) INGUINAL REGION-LEFT WEEK 72	30 X 20MM
		613	88	MASS(ES) INGUINAL REGION-LEFT WEEK 72	30 X 20MM
		613	88	MASS(ES) INGUINAL REGION-LEFT WEEK 72	30 X 20MM
		613	88	MASS(ES) INGUINAL REGION-LEFT WEEK 72	30 X 20MM
		547 TO 613	79 88	MASS(ES) INGUINAL REGION-RIGHT WEEK 79	10 X 10MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93179	F5	659	95	MASS(ES)	15 X 15MM
	TO	680	98	AXILLARY REGION-LEFT	
				WEEK 95	
		687	99	MASS(ES)	20 X 15MM
				AXILLARY REGION-LEFT	
				WEEK 95	
		694	100	MASS(ES)	20 X20MM
	TO	701	101	AXILLARY REGION-LEFT	
				WEEK 95	
		708	102	MASS(ES)	40 X 50MM
	TO	715	103	AXILLARY REGION-LEFT	
				WEEK 95	
		722	104	MASS(ES)	40 X 40MM
	TO	733	105	AXILLARY REGION-LEFT	
				WEEK 95	
C93180	F5	386	56	MASS(ES)	30 X 50MM
	TO	407	59	VENTRAL-THORACIC-LEFT	
				WEEK 56	
		414	60	MASS(ES)	40 X 60MM
				VENTRAL-THORACIC-LEFT	
				WEEK 56	
		421	61	MASS(ES)	80 X 60MM
				VENTRAL-THORACIC-LEFT	
				WEEK 56	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93180	F5	428	62	MASS(ES) VENTRAL-THORACIC-LEFT WEEK 56	90 X 80MM
		428	62	MASS(ES) VENTRAL-THORACIC-LEFT WEEK 56	80 X 60MM
		435 TO 435	63 63	MASS(ES) VENTRAL-THORACIC-LEFT WEEK 56	110 X 80MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

CATEGORY GROUP: F6 DOSE: 20 PPM

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	KEYWORD / QUALIFIER	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93181	U	106	APPEARANCE	
			MALOCCLUSION	190, 197, 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274 281, 288, 295, 302, 309, 316, 358, 365, 372, 379, 386, 393, 400 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666, 673 680, 687, 694, 701, 708, 715, 722, 729, 736
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 323, 330 337, 344, 351
C93182	U	106	SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	393
			ROUGH HAIR COAT	393
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659 666, 673, 680, 687, 694, 701
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 102	708C, 715C, 722C, 729C, 736C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93183	U	106	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624
			MASS(ES)	
			INGUINAL REGION-LEFT	
			WEEK 91	631C, 638C, 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C 708C, 715C, 722C, 729C, 736C
C93184	U	106	SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	190, 197, 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274
			SORE/SCAB	
			PAW-HIND-LEFT	561, 568, 708
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 575 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659, 666 673, 680, 687, 694, 701
			WART LIKE LESION(S)	
			MOUTH	
			WEEK 102	708, 715, 722, 729, 736

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93185	U	106	APPEARANCE	
			MALOCCLUSION	197, 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 351 358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442 449, 456, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624 631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715 722, 729, 736
			EYES	
			OPAQUE	
			EYE-LEFT	722, 729, 736
			RED DISCHARGE	
			EYE-LEFT	288, 295, 302, 309, 316, 323, 330, 337, 344
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 281
C93186	M	75	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302
			MASS(ES)	
			VENTRAL-CERVICAL	
			WEEK 45	309C, 316C, 323C, 330C, 337C, 344C, 351C, 358C, 365C, 372C, 379C 386C, 393C, 400C, 407C, 414C, 421C, 428C, 435C, 442C, 449C, 456C 463C, 470C, 477C, 484C, 491C, 498C, 505C, 512C, 519-520C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93187	M	104	APPEARANCE	
			HEAD TILT	
			LEFT	725
			MALOCCLUSION	715, 722, 725
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	722, 725
			HYPOACTIVE	
			<UNSPECIFIED>	725
			EXCRETION	
			FEW FECES	617, 705, 708, 715, 722, 725
			SKIN & PELAGE	
			PALE	
			ENTIRE BODY	725
			ROUGH HAIR COAT	722, 725
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 102	708C, 715C, 722C, 725C
			INGUINAL REGION-LEFT	
			WEEK 81	561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93187	M	104	MASS(ES)	
			INGUINAL REGION-LEFT	
			WEEK 81	638C, 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C, 705C 708C, 715C, 722C, 725C
			INGUINAL REGION-RIGHT	
			WEEK 101	701C, 705C
C93188	D	105	SKIN & PELAGE	
			SORE/SCAB	
			AXILLARY REGION-LEFT	729, 734
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 70	484C, 491C, 498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C 561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C 638C, 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C 715C, 722C, 729C, 734C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93189	M	87	APPEARANCE	
			HEAD TILT	
			LEFT	605
			HUNCHED	605
			MALOCCLUSION	232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589 596, 603, 605
			MISSING	
			TEETH	239, 246, 253, 260
			THIN	589, 596, 603, 605
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	605
			EXCRETION	
			FEW FECES	605
			EYES	
			RED DISCHARGE	
			EYE-RIGHT	155
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 162, 169, 176, 183, 190, 197, 204 211, 218, 225

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93190	U	106	APPEARANCE	
			THIN	701, 708, 715, 722, 729, 736
			EXCRETION	
			FEW FECES	680
			EYES	
			RED DISCHARGE	
			EYES	701, 708
			SKIN & PELAGE	
			ROUGH HAIR COAT	722, 729, 736
			SORE/SCAB	
			PAW-HIND-LEFT	561
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 568 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652, 659 666, 673, 687, 694

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93191	M	91	BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	633
			RECUMBENT	
			LATERAL	633
			EYES	
			RED DISCHARGE	
			EYES	633
			RESPIRATION	
			AUDIBLE	633
			LABORED	633
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631
C93192	U	106	APPEARANCE	
			MALOCCLUSION	155
			SKIN & PELAGE	
			SORE/SCAB	
			MOUTH	64, 71, 78
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 85, 92, 99, 106, 113, 120, 127

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93192	U	106	NORMAL	
			NO REMARKABLE OBSERVATIONS	134, 141, 148, 162, 169, 176, 183, 190, 197, 204, 211, 218, 225 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589 596, 603, 610, 617, 624
			MASS(ES)	
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 91	631C, 638C, 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C 708C, 715C, 722C, 729C, 736C
C93193	M	76	BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	530
			EXCRETION	
			FEW FECES	530
			NONFORMED FECES	530
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	512, 519, 526, 529-530
			YELLOW HAIR COAT	512, 519, 526, 529-530
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93193	M	76	NORMAL	
			NO REMARKABLE OBSERVATIONS	477, 484, 491, 498, 505
C93194	M	92	SKIN & PELAGE	
			ALOPECIA	575, 582, 589, 596, 603, 610, 617, 624, 631, 638
			RED HAIR COAT	
			VENTRAL-ABDOMINAL	498, 505
			ROUGH HAIR COAT	512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596 603, 610, 617, 624, 631, 638
			SORE/SCAB	
			DORSAL-CERVICAL	561, 568, 575, 582, 589, 596, 603
			LIMBS-HIND	582
			VENTRAL-ABDOMINAL-RIGHT	582, 589, 596, 603, 610, 617, 624, 631, 638
			VENTRAL-THORACIC	561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 76	526, 533, 540
			INGUINAL REGION-RIGHT	
			WEEK 81	568C, 575C, 582C, 589C, 596C
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 82	568, 575, 582, 589, 596, 603C, 610C, 617C, 624C, 631C, 638C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 81	561C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93194	M	92	WART LIKE LESION(S)	
			HEAD-MAXILLARY-RIGHT	
			WEEK 76	526
C93195	D	71	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491
C93196	M	88	BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	613-614
			EXCRETION	
			FEW FECES	613-614
			EYES	
			RED DISCHARGE	
			EYES	613-614
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93197	U	106	SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-LEFT	631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715 722, 729, 736
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 99	687, 694C, 701C, 708C, 715C, 722C, 729C, 736C
			INGUINAL REGION-LEFT	
			WEEK 93	645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C 722C, 729C, 736C
			WEEK 95	659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C, 729C 736C
C93198	U	106	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93198	U	106	MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 94	652, 659, 666, 673, 680, 687, 694C, 701C, 708C, 715C, 722C, 729C 736C
C93199	M	65	APPEARANCE	
			HEAD TILT	
			RIGHT	449-450
			THIN	442, 449-450
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435
C93200	M	96	APPEARANCE	
			THIN	671
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	666, 671
			DISCHARGE	
			NASAL	
			RED IN COLOR	666
			EXCRETION	
			FEW FECES	659
			NO FECES	671

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93200	M	96	EYES	
			RED DISCHARGE	
			EYE-RIGHT	561, 568, 575, 666
			EYES	671
			SKIN & PELAGE	
			RED HAIR COAT	
			HEAD-ENTIRE	666
			YELLOW HAIR COAT	666, 671
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 582 589, 596, 603, 610, 617, 624, 631, 638, 645, 652
C93201	U	106	APPEARANCE	
			CONVULSIONS	232, 239, 330, 400
			TREMORS	
			ENTIRE BODY	687
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 246, 253, 260, 267, 274, 281, 288, 295, 302 309, 316, 323, 337, 344, 351, 358, 365, 372, 379, 386, 393, 407 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589 596, 603, 610, 617, 624, 631, 638, 645, 680, 694, 701, 708, 715

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93201	U	106	NORMAL	
			NO REMARKABLE OBSERVATIONS	722, 729, 736
			MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 94	652, 659, 666, 673
C93202	U	106	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 736
C93203	M	90	SKIN & PELAGE	
			BLACK SKIN	
			VENTRAL-ABDOMINAL-LEFT	526, 533
			VENTRAL-ABDOMINAL-RIGHT	540
			SORE/SCAB	
			VENTRAL-ABDOMINAL-LEFT	540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624
			VENTRAL-ABDOMINAL-RIGHT	547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD / QUALIFIER (GROUP: F6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93203	M	90	MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 76	526, 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C, 596C 603C, 610C, 617C, 624C
			WEEK 81	561, 568, 575, 582, 589, 596, 603
			AXILLARY REGION-RIGHT	
			WEEK 82	568, 575
			INGUINAL REGION-LEFT	
			WEEK 81	561, 568, 575, 582, 589C, 596C, 603C, 610C, 617C, 624C
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 69	477C, 484C, 491C, 498C, 505C, 512C, 519C, 526C, 533C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 62	428C, 435C, 442C, 449C, 456C, 463C, 470C, 477C, 484C, 491C, 498C 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C, 575C 582C, 589C, 596C
			VENTRAL-THORACIC-LEFT	
			WEEK 81	561C, 568C, 575C, 582C
C93204	D	92	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449
			MASS(ES)	
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 66	456C, 463C, 470C, 477C, 484C, 491C, 498C, 505C, 512C, 519C, 526C 533C, 540C, 547C, 554C, 561C, 568C, 575C, 582C, 589C, 596C, 603C 610C, 617C, 624C, 631C, 638C, 642C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD / QUALIFIER (GROUP: F6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93205	U	106	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 736
C93206	M	104	APPEARANCE	
			THIN	701, 708, 715, 722, 727
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	727
			EXCRETION	
			FEW FECES	673, 701, 708, 715, 722, 727
			EYES	
			RED DISCHARGE	
			EYES	708, 722, 727
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93206	M	104	NORMAL	
			NO REMARKABLE OBSERVATIONS	659, 666, 680, 687, 694
C93207	M	41	APPEARANCE	
			HUNCHED	278, 281
			THIN	278, 281
			EXCRETION	
			NO FECES	278
			EYES	
			RED DISCHARGE	
			EYES	278, 281
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57
			MASS(ES)	
			VENTRAL-THORACIC-RIGHT	
			WEEK 10	64, 71C, 78C, 85C, 92C, 99C, 106C, 113C, 120C, 127C, 134C, 141C 148C, 155C, 162C, 169C, 176C, 183C, 190C, 197C, 204C, 211C, 218C 225C, 232C, 239C, 246C, 253C, 260C, 267C, 274C, 278C, 281C
C93208	D	83	BEHAVIOR	
			RECUMBENT	
			STERNAL	576
			DISCHARGE	
			GENITAL	
			RED IN COLOR	316

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93208	D	83	RESPIRATION	
			AUDIBLE	576
			IRREGULAR	576
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470, 477 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568 575
C93209	U	106	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 736
C93210	M	105	APPEARANCE	
			MALOCCLUSION	141, 148, 414, 421, 428, 435, 463, 470, 477, 582, 589, 596, 603
			THIN	722, 729, 734
			BEHAVIOR	
			HYPOACTIVE	
			<UNSPECIFIED>	729, 734

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93210	M	105	EXCRETION	
			FEW FECES	705, 708, 722, 729, 734
			SKIN & PELAGE	
			YELLOW HAIR COAT	722, 729, 734
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 155, 162, 169, 176, 183, 190, 197, 204, 211 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393 400, 407, 442, 449, 456, 498, 505, 512, 519, 526, 533, 540, 547 554, 561, 568, 575
			MASS(ES)	
			INGUINAL REGION-LEFT	
			WEEK 94	652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C, 705C, 708C, 715C 722C, 729C, 734C
			INGUINAL REGION-RIGHT	
			WEEK 88	610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C, 666C, 673C, 680C 687C, 694C, 701C, 705C, 708C, 715C, 722C, 729C, 734C
C93211	U	106	APPEARANCE	
			CONVULSIONS	400, 407, 414, 421, 428, 435, 442, 491, 498, 512, 638, 645, 652 722
			TREMORS	
			ENTIRE BODY	680, 687
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93211	U	106	NORMAL	
			NO REMARKABLE OBSERVATIONS	295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 449, 456, 463, 470, 477, 484, 505, 519, 526, 533, 540 547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624, 631 659, 666, 673, 694, 701, 708, 715
			MASS(ES)	
			INGUINAL REGION-LEFT	
			WEEK 104	722, 729, 736
C93212	D	84	SKIN & PELAGE	
			SORE/SCAB	
			LIMBS-HIND	533, 540, 547, 554
			PAWS-HIND	561, 568, 575, 582, 584
			WARM TO TOUCH	
			LIMBS-HIND	526
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93213	M	84	APPEARANCE	
			HEAD TILT	
			LEFT	586
			HUNCHED	586
			MALOCCLUSION	113, 120, 127, 134, 141, 148, 155, 190, 197, 204, 211, 218, 225 232, 239, 246, 253, 260, 267, 274, 281, 288, 295, 302, 309, 316 323, 330, 337, 344, 351, 358, 365, 372, 379, 386, 393, 400, 407 414, 421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498 505, 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 586
			THIN	554, 561, 568, 575, 582, 586
			TREMORS	
			ENTIRE BODY	586
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	561, 568, 575, 582, 586
			HYPOACTIVE	
			<UNSPECIFIED>	561, 568, 575, 582, 586
			COLD TO TOUCH	
			ENTIRE BODY	586
			DISCHARGE	
			NASAL	
			RED IN COLOR	561
			EXCRETION	
			FEW FECES	554, 586
			EYES	
			RED DISCHARGE	
			EYE-LEFT	393

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93213	M	84	SKIN & PELAGE	
			PALE	
			ENTIRE BODY	586
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 162, 169, 176, 183
			WART LIKE LESION(S)	
			TAIL-PROXIMAL	
			WEEK 76	526, 533, 540, 547, 554
C93214	D	98	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 638, 645, 652 659, 666, 673, 680, 684
C93215	M	86	APPEARANCE	
			THIN	582, 589, 596
			BEHAVIOR	
			ATAXIC	
			<UNSPECIFIED>	596
			HYPOACTIVE	
			<UNSPECIFIED>	575, 582, 589, 596

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93215	M	86	EXCRETION	
			FEW FECES	551, 554
			SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-RIGHT	568, 575
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505
			WART LIKE LESION(S)	
			HEAD-MAXILLARY-LEFT	
			WEEK 74	512, 519, 526, 533, 540, 547, 551, 554, 561, 568, 575, 582, 589
C93216	U	106	SKIN & PELAGE	
			SORE/SCAB	
			PAW-HIND-LEFT	666, 673, 680
			VENTRAL-ABDOMINAL-RIGHT	631, 638, 645, 652, 659, 694, 701, 708, 715, 722, 729, 736
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY / KEYWORD / QUALIFIER (GROUP: F6 DOSE: 20 PPM)	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93216	U	106	MASS(ES)	
			AXILLARY REGION-RIGHT	
			WEEK 81	561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C 638C, 645C, 652C, 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C 715C, 722C, 729C, 736C
			WEEK 93	645, 652, 659C, 666C, 673C, 680C, 687C, 694C, 701C, 708C, 715C 722C, 729C, 736C
			EAR-RIGHT	
			WEEK 61	421, 428, 435, 442, 449, 456, 463, 470, 477, 484, 491, 498, 505 512, 519, 526, 533, 540, 547, 554, 561, 568, 575, 582, 589, 596 603, 610C, 617C, 624C, 631, 638, 645, 652, 659, 666, 673, 680 687, 694, 701, 708, 715, 722, 729, 736
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 101	701C, 708C, 715C, 722C, 729C, 736C
			VENTRAL-ABDOMINAL-RIGHT	
			WEEK 79	547C
			WEEK 81	561C, 568C, 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C, 631C 638C
			WEEK 96	666, 673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C, 729C, 736C
C93217	D	91	NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561 568, 575, 582, 589, 596, 603, 610, 617, 624, 631, 635

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

CATEGORY GROUP: F6 DOSE: 20 PPM

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	KEYWORD / QUALIFIER	DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
C93218	M	90	SKIN & PELAGE	
			SORE/SCAB	
			AXILLARY REGION-LEFT	484, 491, 498, 505, 512, 519, 526, 533, 540, 547, 554, 561, 568 575, 582, 589, 596, 603, 610, 617, 624
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323
			MASS(ES)	
			AXILLARY REGION-LEFT	
			WEEK 50	344, 351, 358, 365C, 372C, 379C, 386C, 393C, 400C, 407C, 414C 421C, 428C, 435C, 442C, 449C, 456C, 463C, 470C, 477C, 484C, 491C 498C, 505C, 512C, 519C, 526C, 533C, 540C, 547C, 554C, 561C, 568C 575C, 582C, 589C, 596C, 603C, 610C, 617C, 624C
			INGUINAL REGION-LEFT	
			WEEK 48	330, 337
C93219	U	106	SKIN & PELAGE	
			SORE/SCAB	
			VENTRAL-THORACIC-RIGHT	659, 666, 673, 680, 687, 694, 701, 708, 715, 722, 729, 736
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351, 358, 365, 372, 379 386, 393, 400, 407, 414, 421, 428, 435, 442, 449, 456, 463, 470 477, 484, 491, 498, 505, 512, 519, 533, 540, 547, 554, 582

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	DEATH CODE	WK OF DEATH	CATEGORY KEYWORD QUALIFIER	GROUP: F6 DOSE: 20 PPM DAYS 1-736 - OBSERVED DURING THE DAYS LISTED BELOW; 'C' - COMMENTS LISTED AT END OF OBSERVATIONS
(CONTINUED FROM PREVIOUS PAGE)				
C93219	U	106	MASS(ES)	
			VENTRAL-ABDOMINAL-LEFT	
			WEEK 101	701, 708
			VENTRAL-THORACIC-RIGHT	
			WEEK 76	526
			WEEK 81	561, 568, 575
			WEEK 85	589C, 596C, 603C, 610C, 617C, 624C, 631C, 638C, 645C, 652C, 659C 666C, 673C, 680C, 687C, 694C, 701C, 708C
C93220	U	106	APPEARANCE	
			MALOCCLUSION	358, 365, 372, 379, 386, 393, 400, 407, 414, 421, 428, 435, 442 449, 456, 463, 470, 477, 484, 491, 498, 505, 512, 519, 526, 533 540, 547, 554, 561, 568, 575, 582, 589, 596, 603, 610, 617, 624 631, 638, 645, 652, 659, 666, 673, 680, 687, 694, 701, 708, 715 722, 729, 736
			NORMAL	
			NO REMARKABLE OBSERVATIONS	1, 8, 15, 22, 29, 36, 43, 50, 57, 64, 71, 78, 85, 92, 99, 106 113, 120, 127, 134, 141, 148, 155, 162, 169, 176, 183, 190, 197 204, 211, 218, 225, 232, 239, 246, 253, 260, 267, 274, 281, 288 295, 302, 309, 316, 323, 330, 337, 344, 351
			MASS(ES)	
			VENTRAL-ABDOMINAL	
			WEEK 97	673C, 680C, 687C, 694C, 701C, 708C, 715C, 722C, 729C, 736C

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93182	F6	708	102	MASS(ES)	15 X 15MM
	TO	736	106	AXILLARY REGION-LEFT	
				WEEK 102	
C93183	F6	631	91	MASS(ES)	25 X 25MM
				INGUINAL REGION-LEFT	
				WEEK 91	
		638	92	MASS(ES)	30 X 25MM
				INGUINAL REGION-LEFT	
				WEEK 91	
		645	93	MASS(ES)	40 X 25MM
				INGUINAL REGION-LEFT	
				WEEK 91	
		652	94	MASS(ES)	50 X 30MM
	TO	659	95	INGUINAL REGION-LEFT	
				WEEK 91	
		666	96	MASS(ES)	60 X 40MM
	TO	673	97	INGUINAL REGION-LEFT	
				WEEK 91	
		680	98	MASS(ES)	70 X 40MM
				INGUINAL REGION-LEFT	
				WEEK 91	
		687	99	MASS(ES)	70 X 50MM
				INGUINAL REGION-LEFT	
				WEEK 91	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93183	F6	694	100	MASS(ES)	80 X 50MM
	TO	701	101	INGUINAL REGION-LEFT	
				WEEK 91	
		708	102	MASS(ES)	90 X 70MM
	TO	715	103	INGUINAL REGION-LEFT	
				WEEK 91	
		722	104	MASS(ES)	110 X 80MM
	TO	729	105	INGUINAL REGION-LEFT	
				WEEK 91	
		736	106	MASS(ES)	125 X 100MM
	TO	736	106	INGUINAL REGION-LEFT	
				WEEK 91	
C93186	F6	309	45	MASS(ES)	20 X 15MM
	TO	316	46	VENTRAL-CERVICAL	
				WEEK 45	
		323	47	MASS(ES)	25 X 25MM
	TO	330	48	VENTRAL-CERVICAL	
				WEEK 45	
		337	49	MASS(ES)	30 X 25MM
				VENTRAL-CERVICAL	
				WEEK 45	
		344	50	MASS(ES)	35 X 30MM
				VENTRAL-CERVICAL	
				WEEK 45	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93186	F6	351	51	MASS(ES)	40 X 35MM
	TO	379	55	VENTRAL-CERVICAL	
				WEEK 45	
		386	56	MASS(ES)	40 X 40MM
	TO	393	57	VENTRAL-CERVICAL	
				WEEK 45	
		400	58	MASS(ES)	50 X 50MM
	TO	414	60	VENTRAL-CERVICAL	
				WEEK 45	
		421	61	MASS(ES)	60 X 60MM
	TO	435	63	VENTRAL-CERVICAL	
				WEEK 45	
		442	64	MASS(ES)	70 X 70MM
	TO	484	70	VENTRAL-CERVICAL	
				WEEK 45	
		491	71	MASS(ES)	80 X 70MM
				VENTRAL-CERVICAL	
				WEEK 45	
		498	72	MASS(ES)	80 X 80MM
				VENTRAL-CERVICAL	
				WEEK 45	
		505	73	MASS(ES)	95 X 80MM
				VENTRAL-CERVICAL	
				WEEK 45	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93186	F6	512	74	MASS(ES)	100 X 110MM
	TO	520	75	VENTRAL-CERVICAL	
				WEEK 45	
C93187	F6	708	102	MASS(ES)	10 X 10MM
	TO	725	104	AXILLARY REGION-RIGHT	
				WEEK 102	
		561	81	MASS(ES)	15 X 15MM
	TO	575	83	INGUINAL REGION-LEFT	
				WEEK 81	
		582	84	MASS(ES)	20 X 20MM
				INGUINAL REGION-LEFT	
				WEEK 81	
		589	85	MASS(ES)	30 X 30MM
	TO	596	86	INGUINAL REGION-LEFT	
				WEEK 81	
		603	87	MASS(ES)	45 X 40MM
	TO	645	93	INGUINAL REGION-LEFT	
				WEEK 81	
		652	94	MASS(ES)	50 X 45MM
	TO	705	101	INGUINAL REGION-LEFT	
				WEEK 81	
		708	102	MASS(ES)	65 X 60MM
	TO	725	104	INGUINAL REGION-LEFT	
				WEEK 81	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93187	F6	701	101	MASS(ES)	10 X 10MM
	TO	705	101	INGUINAL REGION-RIGHT	
				WEEK 101	
C93188	F6	484	70	MASS(ES)	25 X 30MM
	TO	505	73	AXILLARY REGION-LEFT	
				WEEK 70	
		512	74	MASS(ES)	40 X 40MM
	TO	519	75	AXILLARY REGION-LEFT	
				WEEK 70	
		526	76	MASS(ES)	40 X 50MM
	TO	540	78	AXILLARY REGION-LEFT	
				WEEK 70	
		547	79	MASS(ES)	55 X 60MM
	TO	582	84	AXILLARY REGION-LEFT	
				WEEK 70	
		589	85	MASS(ES)	60 X 65MM
	TO	596	86	AXILLARY REGION-LEFT	
				WEEK 70	
		603	87	MASS(ES)	65 X 70MM
	TO	631	91	AXILLARY REGION-LEFT	
				WEEK 70	
		638	92	MASS(ES)	75 X 80MM
	TO	659	95	AXILLARY REGION-LEFT	
				WEEK 70	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93188	F6	666	96	MASS(ES) AXILLARY REGION-LEFT WEEK 70	90 X 85MM
		673 TO 694	97 100	MASS(ES) AXILLARY REGION-LEFT WEEK 70	95 X 90MM
		701	101	MASS(ES) AXILLARY REGION-LEFT WEEK 70	80 X 85MM
		708 TO 715	102 103	MASS(ES) AXILLARY REGION-LEFT WEEK 70	95 X 95MM
		722 TO 734	104 105	MASS(ES) AXILLARY REGION-LEFT WEEK 70	100 X 100MM
C93192	F6	631	91	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 91	25 X 25MM
		638 TO 659	92 95	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 91	30 X 30MM
		666	96	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 91	45 X 30MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93192	F6	673	97	MASS(ES)	50 X 40MM
	TO	680	98	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 91	
		687	99	MASS(ES)	50 X 50MM
	TO	701	101	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 91	
		708	102	MASS(ES)	55 X 70MM
	TO	729	105	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 91	
		736	106	MASS(ES)	70 X 75MM
	TO	736	106	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 91	
C93194	F6	568	82	MASS(ES)	10 X 10MM
	TO	596	86	INGUINAL REGION-RIGHT	
				WEEK 81	
		603	87	MASS(ES)	10 X 10MM
	TO	638	92	VENTRAL-ABDOMINAL-LEFT	
				WEEK 82	
		561	81	MASS(ES)	10 X 10MM
				VENTRAL-ABDOMINAL-RIGHT	
				WEEK 81	
C93197	F6	694	100	MASS(ES)	10 X 10MM
	TO	736	106	AXILLARY REGION-LEFT	
				WEEK 99	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93197	F6	645	93	MASS(ES)	10 X 10MM
	TO	701	101	INGUINAL REGION-LEFT	
				WEEK 93	
		708	102	MASS(ES)	10 X 20MM
	TO	722	104	INGUINAL REGION-LEFT	
				WEEK 93	
		729	105	MASS(ES)	20 X 20MM
	TO	736	106	INGUINAL REGION-LEFT	
				WEEK 93	
		659	95	MASS(ES)	10 X 10MM
	TO	680	98	INGUINAL REGION-LEFT	POSTERIOR
				WEEK 95	
		687	99	MASS(ES)	15 X 15MM
	TO	701	101	INGUINAL REGION-LEFT	POSTERIOR
				WEEK 95	
		708	102	MASS(ES)	20 X 30MM
	TO	722	104	INGUINAL REGION-LEFT	POSTERIOR
				WEEK 95	
		729	105	MASS(ES)	30 X 40MM
				INGUINAL REGION-LEFT	POSTERIOR
				WEEK 95	
		736	106	MASS(ES)	40 X 40MM
	TO	736	106	INGUINAL REGION-LEFT	
				WEEK 95	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93198	F6	694	100	MASS(ES)	10 X 10MM
	TO	736	106	AXILLARY REGION-RIGHT	
				WEEK 94	
C93203	F6	533	77	MASS(ES)	10 X 10MM
	TO	561	81	AXILLARY REGION-LEFT	
				WEEK 76	
		568	82	MASS(ES)	15 X 15MM
	TO	603	87	AXILLARY REGION-LEFT	
				WEEK 76	
		610	88	MASS(ES)	15 X 25MM
	TO	624	90	AXILLARY REGION-LEFT	
				WEEK 76	
		589	85	MASS(ES)	20 X 20MM
	TO	603	87	INGUINAL REGION-LEFT	
				WEEK 81	
		610	88	MASS(ES)	25 X 30MM
	TO	624	90	INGUINAL REGION-LEFT	
				WEEK 81	
		477	69	MASS(ES)	10 X 10MM
	TO	505	73	VENTRAL-ABDOMINAL-LEFT	
				WEEK 69	
		512	74	MASS(ES)	20 X 20MM
	TO	519	75	VENTRAL-ABDOMINAL-LEFT	
				WEEK 69	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93203	F6	526	76	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 69	30 X 30MM
		533	77	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 69	20 X 25MM
		428 TO 463	62 67	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 62	10 X 10MM
		470 TO 477	68 69	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 62	15 X 15MM
		484 TO 505	70 73	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 62	20 X 20MM
		512	74	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 62	30 X 30MM
		519 TO 575	75 83	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 62	25 X 30MM
		582 TO 596	84 86	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 62	15 X 20MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93203	F6	561	81	MASS(ES)	20 X 20MM
	TO	582	84	VENTRAL-THORACIC-LEFT	
				WEEK 81	
C93204	F6	456	66	MASS(ES)	20 X 20MM
	TO	463	67	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 66	
		470	68	MASS(ES)	25 X 25MM
				VENTRAL-ABDOMINAL-RIGHT	
				WEEK 66	
		477	69	MASS(ES)	30 X 30MM
	TO	491	71	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 66	
		498	72	MASS(ES)	35 X 30MM
	TO	519	75	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 66	
		526	76	MASS(ES)	35 X 40MM
				VENTRAL-ABDOMINAL-RIGHT	
				WEEK 66	
		533	77	MASS(ES)	45 X 45MM
	TO	547	79	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 66	
		554	80	MASS(ES)	60 X 60MM
	TO	589	85	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 66	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93204	F6	596	86	MASS(ES)	70 X 60MM
	TO	603	87	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 66	
		610	88	MASS(ES)	70 X 70MM
	TO	631	91	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 66	
		638	92	MASS(ES)	70 X 80MM
	TO	642	92	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 66	
C93207	F6	71	11	MASS(ES)	15 X 20MM
	TO	78	12	VENTRAL-THORACIC-RIGHT	
				WEEK 10	
		85	13	MASS(ES)	20 X 25MM
	TO	155	23	VENTRAL-THORACIC-RIGHT	
				WEEK 10	
		162	24	MASS(ES)	25 X 25MM
	TO	169	25	VENTRAL-THORACIC-RIGHT	
				WEEK 10	
		176	26	MASS(ES)	35 X 35MM
	TO	204	30	VENTRAL-THORACIC-RIGHT	
				WEEK 10	
		211	31	MASS(ES)	45 X 45MM
				VENTRAL-THORACIC-RIGHT	
				WEEK 10	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93207	F6	218	32	MASS(ES)	40 X 40MM
	TO	239	35	VENTRAL-THORACIC-RIGHT	
				WEEK 10	
		246	36	MASS(ES)	45 X 50MM
	TO	260	38	VENTRAL-THORACIC-RIGHT	
				WEEK 10	
		267	39	MASS(ES)	55 X 55MM
	TO	281	41	VENTRAL-THORACIC-RIGHT	
				WEEK 10	
C93210	F6	652	94	MASS(ES)	25 X 25MM
				INGUINAL REGION-LEFT	
				WEEK 94	
		659	95	MASS(ES)	25 X 30MM
				INGUINAL REGION-LEFT	
				WEEK 94	
		666	96	MASS(ES)	35 X 30MM
	TO	705	101	INGUINAL REGION-LEFT	
				WEEK 94	
		708	102	MASS(ES)	40 X 40MM
				INGUINAL REGION-LEFT	
				WEEK 94	
		715	103	MASS(ES)	50 X 50MM
	TO	734	105	INGUINAL REGION-LEFT	
				WEEK 94	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93210	F6	610	88	MASS(ES)	15 X 15MM
	TO	624	90	INGUINAL REGION-RIGHT	
				WEEK 88	
		631	91	MASS(ES)	20 X 20MM
	TO	645	93	INGUINAL REGION-RIGHT	
				WEEK 88	
		652	94	MASS(ES)	30 X 25MM
	TO	666	96	INGUINAL REGION-RIGHT	
				WEEK 88	
		673	97	MASS(ES)	30 X 35MM
	TO	734	105	INGUINAL REGION-RIGHT	
				WEEK 88	
C93216	F6	561	81	MASS(ES)	10 X 10MM
	TO	582	84	AXILLARY REGION-RIGHT	
				WEEK 81	
		589	85	MASS(ES)	20 X 20MM
	TO	603	87	AXILLARY REGION-RIGHT	
				WEEK 81	
		610	88	MASS(ES)	20 X 25MM
	TO	624	90	AXILLARY REGION-RIGHT	
				WEEK 81	
		631	91	MASS(ES)	25 X30MM
	TO	638	92	AXILLARY REGION-RIGHT	
				WEEK 81	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93216	F6	645	93	MASS(ES) AXILLARY REGION-RIGHT WEEK 81	30 X 30MM
		652 TO 659	94 95	MASS(ES) AXILLARY REGION-RIGHT WEEK 81	40 X 40MM
		666 TO 701	96 101	MASS(ES) AXILLARY REGION-RIGHT WEEK 81	50 X 40MM
		708 TO 736	102 106	MASS(ES) AXILLARY REGION-RIGHT WEEK 81	50 X 60MM
		659 TO 687	95 99	MASS(ES) AXILLARY REGION-RIGHT WEEK 93	10 X 10MM
		694 TO 715	100 103	MASS(ES) AXILLARY REGION-RIGHT WEEK 93	15 X 15MM
		722 TO 736	104 106	MASS(ES) AXILLARY REGION-RIGHT WEEK 93	20 X 25MM
		610 TO 624	88 90	MASS(ES) EAR-RIGHT WEEK 61	10 X 10MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93216	F6	701	101	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 101	15 X 15MM
		708 TO 736	102 106	MASS(ES) VENTRAL-ABDOMINAL-LEFT WEEK 101	25 X 25MM
		547	79	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 79	10 X 10MM
		561 TO 582	81 84	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 81	10 X 10MM
		589 TO 603	85 87	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 81	20 X 20MM
		610 TO 631	88 91	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 81	20 X 30MM
		638	92	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 81	20 X 20MM
		673 TO 701	97 101	MASS(ES) VENTRAL-ABDOMINAL-RIGHT WEEK 96	15 X 20MM

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93216	F6	708	102	MASS(ES)	20 X 30MM
	TO	715	103	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 96	
		722	104	MASS(ES)	20 X 40MM
	TO	729	105	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 96	
		736	106	MASS(ES)	40 X 40MM
	TO	736	106	VENTRAL-ABDOMINAL-RIGHT	
				WEEK 96	
C93218	F6	365	53	MASS(ES)	10 X 10MM
	TO	393	57	AXILLARY REGION-LEFT	
				WEEK 50	
		400	58	MASS(ES)	20 X 20MM
	TO	575	83	AXILLARY REGION-LEFT	
				WEEK 50	
		582	84	MASS(ES)	15 X 15MM
	TO	596	86	AXILLARY REGION-LEFT	
				WEEK 50	
		603	87	MASS(ES)	20 X 20MM
	TO	624	90	AXILLARY REGION-LEFT	
				WEEK 50	
C93219	F6	589	85	MASS(ES)	10 X 10MM
	TO	708	102	VENTRAL-THORACIC-RIGHT	
				WEEK 85	

Appendix 2

Individual Clinical Observations

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL	GROUP	STUDY DAY	WK	CATEGORY KEYWORD QUALIFIER	FREE-TEXT COMMENT
C93220	F6	673	97	MASS(ES)	20 X 20MM
	TO	694	100	VENTRAL-ABDOMINAL	
				WEEK 97	
		701	101	MASS(ES)	30 X 20MM
				VENTRAL-ABDOMINAL	
				WEEK 97	
		708	102	MASS(ES)	45 X 40MM
	TO	715	103	VENTRAL-ABDOMINAL	
				WEEK 97	
		722	104	MASS(ES)	60 X 50MM
	TO	729	105	VENTRAL-ABDOMINAL	
				WEEK 97	
		736	106	MASS(ES)	70 X 60MM
	TO	736	106	VENTRAL-ABDOMINAL	
				WEEK 97	

COVANCE
THE DEVELOPMENT SERVICES COMPANY

Sponsor:

3M
St. Paul, Minnesota

FINAL REPORT

Study Title:

104-Week Dietary Chronic Toxicity and Carcinogenicity Study with Perfluorooctane Sulfonic Acid Potassium Salt (PFOS; T-6295) in Rats

Author:

Peter J. Thomford, PhD

Study Completion Date:

January 2, 2002

Testing Facility:

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

Laboratory Study Identification:

Covance 6329-183

Sponsor Study Identification:

3M T-6295

CONTENTS

VOLUME IV OF IX **Page**

APPENDIX 3 1257
Individual Body Weight Data (g) 1258

APPENDIX 4 1345
Individual Food Consumption Data (g) 1346
Individual Test Material Consumption Data (mg/kg/day) 1432

APPENDIX 5 1512
Individual Clinical Hematology Data 1513
Individual Clinical Chemistry Data 1585
Individual Clinical Urinalysis Data 1652
Individual Urine Chemistry Data 1724

APPENDIX 3

Individual Body Weight Data (g)

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 1 - 0 PPM										
C92501	193	257	315	369	415	456	479	514	535	571
C92502	184	235	275	316	349	371	385	406	419	434
C92503	180	237	292	347	380	415	435	464	479	501
C92504	167	221	272	317	343	368	391	432	456	473
C92505	154	201	234	273	298	328	352	379	395	411
C92506	188	247	303	355						
C92507	189	251	311	360	391	425	439	463	475	491
C92508	156	213	253	300	325	355	372	405	415	428
C92509	172	231	281	330	369	397	416	446	458	476
C92510	218	276	324	372	404	435	453	479	494	507
C92511	179	239	288	334	367	399	423	456	469	482
C92512	175	232	277	326	352	383	405	434	453	469
C92513	149	206	251	301	335	370	389	413	434	447
C92514	220	269	321	374	415	446	474	504	541	544
C92515	171	213	260	301	340	363	381	408	424	438
C92516	174	225	276	322	354	381	393	414	414	436
C92517	194	259	319	378	430	473	492	529	543	569
C92518	185	244	299	339	380	404	430	459	481	505
C92519	165	222	263	307	338	362	386	413	433	442
C92520	174	227	283	326	355	383	408	434	457	476
C92521	168	220	268	318	339	378	400	417	438	452
C92522	189	243	292	340	368	389	421	433	456	463
C92523	146	202	247	303	336	370	393	421	440	459
C92524	208	276	332	384						
C92525	158	217	267	324	366	398	425	451	473	486
C92526	178	240	291	348						
C92527	183	239	285	340	375	399	416	449	466	489
C92528	155	206	244	286	318	346	363	387	406	418
C92529	171	222	263	295						
C92530	207	267	307	350	380	407	431	456	474	486
C92531	155	210	267	312	341	375	393	420	440	456

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 1 - 0 PPM										
C92532	182	248	311	376	417	462	484	526	552	565
C92533	204	278	342	393	430	465	488	520	537	557
C92534	174	232	273	316	357	384	405	429	445	459
C92535	172	235	284	332	372	399	426	455	480	494
C92536	191	248	294	342	375	412	419	445	449	468
C92537	183	253	314	375	422	465	493	527	555	573
C92538	158	217	274	325	364	400	424	451	471	488
C92539	207	271	323	366	410	441	458	499	522	550
C92540	197	256	309	350	390	425	443	474	492	501
C92541	183	251	306	365	406	445	463	501	521	541
C92542	192	251	308	357	385	422	433	463	479	493
C92543	215	274	323	361	385	419	437	462	478	481
C92544	187	250	306	353	390	412	423	455	399	423
C92545	198	255	294	337	367	396	413	443	454	473
C92546	195	250	298	345						
C92547	208	271	328	384	432	469	496	528	555	569
C92548	173	231	277	320	341	369	400	420	433	445
C92549	158	207	252	299	327	360	374	403	410	420
C92550	148	198	253	305	352	396	396	440	471	495
C92551	160	217	267	302	339	361	380	409	424	433
C92552	178	234	287	328	366	401	417	451	469	486
C92553	141	186	222	266	275	302	312	335	341	353
C92554	164	219	266	304	335	357	379	404	417	430
C92555	176	225	271	305	332	362	395	422	440	458
C92556	196	247	300	348	381	403	414	440	456	472
C92557	165	221	269	314	353	382	403	430	447	466
C92558	177	238	297	353	392	431	457	492	507	527
C92559	198	257	303	339	367	398	416	442	456	466
C92560	197	256	303	346	373	401	418	451	460	476
C92561	154	208	260	308	351	389	409	431	452	474
C92562	184	246	300	337	371	399	414	439	449	463

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 1 - 0 PPM										
C92563	183	243	293	340	374	411	434	457	477	495
C92564	173	229	279	324	364	405	433	462	485	502
C92565	174	230	280	320	346	379	405	437	458	476
C92566	168	230	286	340	382	426	429	467	489	513
C92567	180	241	292	338	378	412	432	464	481	496
C92568	142	196	249	295	332	369	398	428	452	471
C92569	200	256	300	338	374	403	430	457	475	488
C92570	191	259	310	352	385	420	434	463	480	488
GROUP: MALE 2 - 0.5 PPM										
C92571	168	217	272	322	358	388	414	436	453	480
C92572	160	222	278	328	365	392	427	446	462	480
C92573	190	255	318	373	406	460	495	508	527	554
C92574	195	256	304	358						
C92575	184	239	283	310						
C92576	213	267	317	364	399	433	455	466	481	504
C92577	169	231	289	344	382	412	422	472	489	511
C92578	179	239	292	332	366	394	431	459	469	482
C92579	209	266	321	373	407	450	479	503	526	543
C92580	169	232	285	332	367	401	434	453	470	494
C92581	187	253	317	368	410	440	466	491	504	526
C92582	145	202	257	298	319	343	366	379	397	414
C92583	185	238	292	322	353	381	402	417	425	446
C92584	159	209	247	278	308	332	351	364	376	394
C92585	204	268	316	353	387	425	455	475	491	509
C92586	161	208	262	307	331	372	405	427	446	468
C92587	178	240	297	344	383	422	452	493	508	530
C92588	184	235	285	322	359	390	419	442	455	471
C92589	179	242	303	355	394	432	459	486	498	517
C92590	178	244	309	361	406	437	470	495	506	530

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 2 - 0.5 PPM										
C92591	176	229	275	311	351	373	392	409	424	441
C92592	143	208	268	316	369	395	427	456	474	497
C92593	195	251	310	342	389	406	428	450	454	470
C92594	181	238	293	334	379	402	427	441	456	475
C92595	180	238	293	332	370	398	423	449	453	468
C92596	199	253	297	330	362	391	417	433	445	465
C92597	188	240	287	320	355	382	397	412	422	438
C92598	171	230	283	329	366	395	425	447	465	479
C92599	219	285	341	382	420	462	488	510	517	545
C92600	176	228	275	312	351	382	406	429	440	457
C92601	149	206	259	305	349	376	403	423	436	450
C92602	169	224	267	302	341	365	381	399	403	418
C92603	196	259	312	356	396	421	443	462	472	490
C92604	200	252	304	343	381	405	432	458	472	489
C92605	202	263	311	348	388	420	451	471	486	508
C92606	152	209	260	305	343	375	395	420	436	455
C92607	157	219	283	336	381	415	438	468	488	507
C92608	210	272	320	371	406	454	470	495	505	526
C92609	179	239	298	334	373	403	428	448	457	473
C92610	187	249	301	336						
C92611	190	245	300	333	373	396	415	432	444	462
C92612	159	215	268	316	359	392	414	441	455	481
C92613	171	230	294	332						
C92614	197	260	317	353	396	426	450	477	490	514
C92615	168	231	284	327	361	391	424	448	459	475
C92616	144	189	235	266	295	323	342	361	374	389
C92617	184	249	309	359	409	447	483	513	528	552
C92618	165	225	284	338						
C92619	174	230	279	312	347	374	401	414	421	439
C92620	171	217	261	295	329	358	380	394	407	418
C92621	193	254	304	338	380	413	439	460	474	497

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 2 - 0.5 PPM										
C92622	145	210	269	322	364	399	431	452	466	473
C92623	162	214	259	297	326	359	380	402	386	416
C92624	202	255	297	331	351	379	401	418	438	451
C92625	159	223	288	351	393	443	476	499	516	545
C92626	173	236	287	335	379	414	440	463	488	510
C92627	191	257	312	354	392	427	453	474	494	515
C92628	194	258	312	351	394	422	457	474	494	518
C92629	149	215	274	321	364	400	430	454	473	497
C92630	193	259	315	359	395	427	455	475	484	501
GROUP: MALE 3 - 2 PPM										
C92631	186	240	290	323	361	384	403	425	435	456
C92632	220	290	344	396	435	469	496	528	553	577
C92633	159	213	257	270	312	349	380	411	426	449
C92634	147	199	248	288	328	357	377	397	413	430
C92635	178	245	303	349	387	418	437	467	471	497
C92636	197	263	308	342	373	401	413	437	440	466
C92637	169	218	257	287	319	346	361	380	384	400
C92638	184	248	292	343	389	435	466	503	516	555
C92639	169	219	259	301	335	370	401	425	438	464
C92640	191	248	286	319	344	366	377	393	397	410
C92641	179	233	284	323	367	398	425	452	459	488
C92642	201	254	304	344	386	413	432	458	459	486
C92643	151	211	256	304	339	359	374	403	407	430
C92644	185	245	295	333	365	382	394	406	408	420
C92645	176	238	281	319	361	390	415	432	442	463
C92646	226	282	329	369						
C92647	188	244	291	328	358	384	396	419	421	454
C92648	176	228	269	304	335	355	368	386	385	405
C92649	158	203	246	279	309	336	353	375	375	397

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 3 - 2 PPM										
C92650	158	215	271	315						
C92651	196	260	312	355	394	428	443	470	480	509
C92652	156	213	265	313						
C92653	173	230	284	330	375	404	423	453	464	494
C92654	171	233	282	335	376	400	421	459	456	483
C92655	157	218	277	328	374	407	438	474	489	514
C92656	162	220	273	322	376	415	435	474	476	514
C92657	176	234	286	333	367	402	421	447	451	481
C92658	192	249	297	344	383	411	437	464	470	499
C92659	206	269	319	358	402	430	449	477	480	508
C92660	195	257	299	339	375	395	419	434	436	454
C92661	205	260	302	341	377	404	419	439	448	464
C92662	164	214	261	299	335	362	379	404	410	435
C92663	171	233	292	350	401	428	443	479	483	507
C92664	197	256	310	349	392	416	435	462	469	490
C92665	187	252	309	356	402	433	457	487	503	525
C92666	199	257	310	358	399	435	455	477	483	506
C92667	181	243	298	344	392	425	452	484	490	523
C92668	190	243	289	332						
C92669	167	223	268	307	345	376	398	419	422	447
C92670	165	224	274	316	351	381	389	415	417	429
C92671	146	200	252	306	347	376	402	400	417	446
C92672	153	209	252	295	333	346	380	411	424	443
C92673	200	262	307	351	385	423	433	459	469	489
C92674	174	237	277	310	339	368	393	425	431	456
C92675	189	250	299	340	373	404	413	437	433	459
C92676	197	259	293	332	352	380	404	425	430	449
C92677	171	229	273	317	351	384	411	430	430	452
C92678	140	195	243	293						
C92679	180	237	285	331	374	407	425	451	464	487
C92680	209	269	323	365	403	439	462	490	500	524

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 3 - 2 PPM										
C92681	164	218	270	315	353	382	410	433	441	464
C92682	171	224	280	325	357	385	407	425	438	453
C92683	180	241	287	336	374	407	426	449	457	480
C92684	183	237	277	315	343	374	393	414	420	436
C92685	160	219	265	318	361	398	424	455	468	493
C92686	193	250	300	342	372	402	426	457	466	475
C92687	206	264	305	341	388	421	447	478	490	511
C92688	176	228	268	308	344	375	391	414	424	448
C92689	155	216	267	319	360	395	419	445	445	450
C92690	201	276	343	405	458	486	516	552	567	587
GROUP: MALE 4 - 5 PPM										
C92691	163	214	277	314	349	378	408	432	445	457
C92692	146	199	258	313	350	383	415	448	463	474
C92693	175	227	285	327	365	401	426	451	468	480
C92694	194	249	296	336	366	402	427	458	482	498
C92695	202	260	314	355	383	414	439	462	468	476
C92696	204	261	308	349	379	412	436	455	472	481
C92697	183	242	293	334	366	399	428	447	468	485
C92698	188	254	304	345	389	425	450	471	488	498
C92699	162	214	251	287	317	346	372	374	396	412
C92700	171	219	257	288	312	333	352	362	376	385
C92701	191	249	297	339	368	404	422	447	463	484
C92702	157	216	267	312	349	379	404	431	443	457
C92703	150	209	264	313	356	391	425	448	473	489
C92704	177	236	282	329	367	401	425	454	475	489
C92705	168	222	272	311	350	383	400	431	448	458
C92706	174	235	289	327	362	398	424	445	466	482
C92707	181	235	284	324	350	377	396	416	427	442
C92708	177	239	294	344	370	386	406	425	435	450

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 4 - 5 PPM										
C92709	199	255	297	325	354	387	413	443	456	463
C92710	162	217	267	311	349	386	418	442	456	472
C92711	179	229	282	319	350	385	414	440	460	473
C92712	192	257	321	361	398	435	467	482	503	516
C92713	217	280	345	393	431	458	475	501	517	527
C92714	176	233	300	346	379	407	432	455	480	499
C92715	194	249	310	349						
C92716	211	269	336	380	414	452	481	515	534	547
C92717	164	224	286	329	369	398	424	442	462	475
C92718	156	212	266	305						
C92719	139	190	251	299	333	362	391	415	428	436
C92720	189	248	321	363	397	434	460	480	498	514
C92721	186	236	292	333	326	353	378	392	412	425
C92722	194	248	304	347	380	417	439	459	473	490
C92723	188	242	307	352	393	423	430	476	492	513
C92724	206	264	330	374	413	448	481	503	523	527
C92725	165	217	274	312	330	365	386	408	416	428
C92726	168	224	284	331	370	403	431	453	474	484
C92727	182	233	286	330	357	391	419	441	459	470
C92728	162	227	284	348	401	437	478	507	531	544
C92729	201	263	331	384	428	463	493	516	532	542
C92730	158	215	268	308	339	374	397	419	439	448
C92731	199	260	309	336						
C92732	147	205	264	312	343	376	406	431	446	464
C92733	173	231	280	317	346	366	388	401	410	429
C92734	178	241	293	333						
C92735	217	273	321	354	391	421	444	464	479	492
C92736	175	229	281	318	352	381	400	422	439	454
C92737	183	240	290	328	363	391	415	431	450	467
C92738	141	198	254	302	335	368	394	420	438	463
C92739	164	215	259	292	319	345	358	379	397	409

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 4 - 5 PPM										
C92740	173	229	290	337	370	398	425	455	479	489
C92741	198	252	301	339	378	410	438	454	468	480
C92742	178	245	308	364	404	448	478	508	535	551
C92743	159	224	289	340	386	428	458	486	516	530
C92744	154	211	266	318						
C92745	198	252	304	356	389	429	454	480	499	516
C92746	209	272	332	381	409	452	474	502	519	533
C92747	184	234	283	321	356	384	418	434	453	464
C92748	193	252	302	350	387	415	452	480	497	515
C92749	154	207	254	289	323	355	378	401	417	430
C92750	189	248	301	340	374	406	429	443	463	470
GROUP: MALE 5 - 20 PPM										
C92751	164	219	275	317	364	400	421	454	468	490
C92752	167	223	263	295						
C92753	206	267	320	358	406	435	444	474	494	511
C92754	178	220	267	299	329	353	373	389	394	411
C92755	146	200	249	294	325	350	372	394	406	435
C92756	191	254	312	354	403	439	467	488	500	522
C92757	164	207	251	286	320	349	373	388	406	416
C92758	149	207	259	303	343	376	400	420	436	449
C92759	197	249	301	343						
C92760	196	252	303	344	382	407	424	455	464	476
C92761	183	237	289	323	358	383	406	417	431	441
C92762	183	238	288	324	367	397	426	446	458	468
C92763	182	246	307	355	395	431	463	488	511	529
C92764	197	264	327	369	398	435	456	470	494	513
C92765	185	240	295	335	378	409	434	453	470	487
C92766	171	230	282	318	356	385	403	420	432	449
C92767	168	233	293	345	388	411	450	475	503	525

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 5 - 20 PPM										
C92768	209	269	331	377	417	455	484	504	509	531
C92769	182	240	297	339	374	405	428	456	476	494
C92770	217	283	339	374	410	441	462	486	507	522
C92771	165	226	280	328	364	396	427	451	464	484
C92772	175	231	288	337	366	398	423	437	454	476
C92773	180	235	282	319	351	375	386	406	419	433
C92774	166	226	281	317	354	389	416	443	456	475
C92775	155	220	277	332	372	409	437	464	482	495
C92776	189	253	308	356	392	418	432	455	477	491
C92777	151	205	254	291	330	349	370	390	404	420
C92778	202	265	321	362	407	429	446	466	480	491
C92779	160	217	258	295						
C92780	159	211	250	280	310	336	356	374	392	408
C92781	183	241	288	320	362	385	407	423	433	455
C92782	138	196	247	295	334	363	382	407	428	452
C92783	200	266	319	360	402	436	464	482	494	517
C92784	183	242	288	334	361	394	415	425	430	455
C92785	190	239	290	324	359	387	411	428	439	457
C92786	172	232	280	317	356	383	412	427	440	459
C92787	206	260	308	342	383	406	425	438	452	471
C92788	181	248	310	354	387	418	445	460	474	502
C92789	155	211	262	303	338	369	387	408	433	447
C92790	150	216	266	312	352	384	409	434	447	471
C92791	179	229	272	307	346	372	393	405	417	438
C92792	186	243	297	337	380	409	427	447	463	487
C92793	192	247	290	325						
C92794	187	237	279	309	341	367	385	400	413	433
C92795	168	223	269	300	337	363	384	415	434	452
C92796	171	220	260	290	324	350	377	390	404	422
C92797	201	249	297	324	356	376	395	409	422	445
C92798	162	223	273	315						

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 5 - 20 PPM										
C92799	181	239	282	317	357	393	431	452	472	491
C92800	184	243	293	327	361	390	409	429	438	462
C92801	210	266	318	359	407	441	468	486	509	533
C92802	173	231	281	314	350	377	405	423	433	451
C92803	200	257	311	341	384	416	446	459	470	492
C92804	169	222	263	299	336	367	391	399	418	441
C92805	194	259	310	352	382	418	448	469	482	504
C92806	164	223	283	326	374	402	426	448	416	433
C92807	152	210	261	300	333	366	398	421	439	456
C92808	150	202	250	292	328	355	374	391	405	422
C92809	170	226	282	319	358	389	411	431	447	471
C92810	204	257	304	334	368	393	412	426	441	454
C92811	167	225	282	324	351	395	415	440	446	478
C92812	182	240	293	326	365	395	428	449	455	481
C92813	183	250	300	334	374	400	423	446	453	470
C92814	146	196	242	276	305	325	343	354	359	372
C92815	204	249	283	302	334	361	344	370	379	409
C92816	141	194	237	276	307	342	366	385	396	415
C92817	187	248	300	347	393	432	461	481	500	532
C92818	189	245	291	319	357	382	402	414	422	453
C92819	155	204	244	274	301	327	352	371	381	398
C92820	186	229	270	299	331	358	380	396	398	419
GROUP: MALE 6 - 20 PPM										
C92821	144	193	244	291	323	360	389	413	417	437
C92822	165	214	266	305	340	369	391	414	419	438
C92823	181	237	293	333	368	400	418	432	444	460
C92824	200	255	298	335	373	401	429	453	460	484
C92825	183	248	310	361	408	444	476	498	513	535
C92826	181	224	272	307	340	371	387	406	412	435

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 6 - 20 PPM										
C92827	192	236	284	322	353	385	408	427	435	456
C92828	184	247	300	342	380	412	437	460	472	493
C92829	187	241	293	332	376	418	440	463	480	507
C92830	158	210	259	294	330	361	370	390	404	425
C92831	202	258	318	353	389	418	438	457	475	488
C92832	153	200	257	299	334	360	385	400	415	426
C92833	164	220	279	331	367	403	427	458	478	497
C92834	177	225	280	326	364	392	412	431	442	463
C92835	168	221	273	301	332	362	378	400	409	431
C92836	213	268	329	370	405	436	449	477	446	476
C92837	175	233	301	347	395	433	457	478	494	509
C92838	172	226	282	319	359	384	407	424	435	458
C92839	187	254	329	392	441	490	521	554	559	586
C92840	187	236	282	315	340	366	384	403	407	419
C92841	185	227	281	314	350	376	389	407	414	431
C92842	213	275	340	378	421	443	466	490	495	511
C92843	210	273	331	371	407	434	458	478	490	512
C92844	152	199	248	281	306	329	347	363	368	379
C92845	193	237	285	320	351	373	392	411	418	441
C92846	166	224	281	321	364	396	423	451	468	489
C92847	170	227	298	349	397	436	465	496	512	538
C92848	135	178	221	252	283	306	328	352	358	383
C92849	173	226	287	332	368	400	424	449	454	477
C92850	205	250	296	321	359	379	396	411	420	435
C92851	173	222	283	325	368	403	419	445	457	475
C92852	156	207	263	299	339	370	388	411	412	439
C92853	192	242	292	325	357	383	403	422	434	454
C92854	193	254	317	352	386	420	430	460	460	475
C92855	175	229	284	323	359	387	406	370	405	431
C92856	151	200	262	301	339	367	388	413	422	437
C92857	189	247	308	355	395	426	447	476	487	506

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 6 - 20 PPM										
C92858	164	218	275	327	371	404	430	456	470	496
C92859	191	240	295	333	365	399	426	451	458	468
C92860	158	205	256	296	337	356	379	398	406	423
GROUP: FEMALE 1 - 0 PPM										
C92861	176	204	239	251						
C92862	134	153	174	191	198	213	217	226	229	235
C92863	147	179	202	218	232	247	244	264	267	277
C92864	156	193	223	245						
C92865	151	189	211	226	241	249	257	273	262	276
C92866	170	183	218	231	239	245	249	253	268	285
C92867	153	186	209	235	265	263	265	290	286	302
C92868	147	170	194	208	237	241	247	255	266	281
C92869	140	157	181	199	209	215	216	224	223	237
C92870	141	168	192	209	215	231	228	243	246	256
C92871	161	192	218	229	250	254	264	273	278	278
C92872	141	168	181	193	200	210	206	215	218	219
C92873	149	164	173	195	211	213	207	221	224	225
C92874	146	186	206	217	240	251	255	261	267	277
C92875	142	171	184	194	214	215	232	242	241	255
C92876	144	175	192	210	220	233	234	246	247	254
C92877	150	174	196	214	224	223	228	234	244	251
C92878	143	178	207	216	225	227	241	248	249	244
C92879	167	198	222	240	249	260	269	285	289	306
C92880	157	185	205	212	219	234	245	254	254	261
C92881	154	184	210	221	236	249	255	267	270	278
C92882	146	168	190	205	206	216	222	230	232	243
C92883	171	210	241	258	273	284	290	312	313	325
C92884	154	190	210	219	234	241	236	254	257	267
C92885	163	194	217	235	245	256	263	274	279	294

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 1 - 0 PPM										
C92886	149	180	199	201	209	227	231	235	234	252
C92887	159	188	214	233	238	266	263	258	259	267
C92888	165	191	232	254	269	282	302	304	317	324
C92889	141	167	190	202	218	231	235	240	242	254
C92890	176	216	246	267	275	291	297	307	301	322
C92891	144	173	199	212	218	230	240	245	246	256
C92892	161	198	226	249	278	302	311	329	323	344
C92893	151	176	201	215	216	233	235	244	237	250
C92894	162	183	206	217	227	227	232	241	249	248
C92895	165	190	202	231	246	255	252	271	269	272
C92896	140	173	199	217	226	244	249	262	258	275
C92897	142	167	188	197	204	214	223	237	234	244
C92898	146	181	202	218	236	248	253	262	270	280
C92899	163	200	225	258	279	298	307	330	323	351
C92900	168	195	223	240	250	263	274	288	294	303
C92901	143	171	190	206	225	235	235	254	245	259
C92902	168	200	232	254	272	289	301	334	348	362
C92903	182	232	257	283	299	300	306	329	332	342
C92904	145	173	184	202	211	227	225	244	241	255
C92905	143	175	193	212	224	235	238	250	253	261
C92906	138	168	193	210	212	227	232	240	241	251
C92907	143	169	189	210	227	229	242	249	251	266
C92908	152	182	207	211	238	249	251	263	272	286
C92909	156	178	199	215	229	234	243	262	262	268
C92910	156	182	211	227	250	269	272	296	292	310
C92911	146	167	184	189	212	210	218	233	227	248
C92912	155	184	211	232	240	264	267	286	286	296
C92913	161	190	217	236	242	253	257	271	275	286
C92914	149	170	190	192						
C92915	150	163	191	209	231	239	249	268	259	262
C92916	166	196	236	264	278	289	304	319	331	328

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 1 - 0 PPM										
C92917	164	204	226	264	273	290	302	306	324	339
C92918	167	196	214	229	240	253	256	265	267	271
C92919	153	187	219	265						
C92920	139	163	178	198	213	217	227	237	235	247
C92921	165	202	217	239	256	271	285	301	309	321
C92922	155	187	224	228	235	253	250	275	272	289
C92923	133	161	175	196	214	222	225	239	242	241
C92924	158	187	205	226	248	259	269	283	287	294
C92925	156	191	218	243	252	275	282	302	303	315
C92926	168	195	219	228						
C92927	159	180	205	213	234	241	255	260	261	280
C92928	163	195	215	221	250	259	263	266	274	290
C92929	152	174	202	216	229	238	247	260	253	266
C92930	172	199	246	270	297	305	324	330	335	352
GROUP: FEMALE 2 - 0.5 PPM										
C92931	156	191	220	240	260	273	282	292	309	316
C92932	150	184	207	221	228	242	246	259	256	269
C92933	151	173	192	211	231	252	268	277	293	315
C92934	148	170	189	200	215	221	231	244	247	250
C92935	150	176	198	219	241	252	259	270	279	295
C92936	138	169	195	210	214	227	232	247	245	259
C92937	150	180	195	217	229	239	250	257	262	273
C92938	156	180	200	213	243	252	258	280	283	287
C92939	152	166	179	190	206	223	216	234	233	240
C92940	144	165	187	202	216	224	228	238	242	255
C92941	156	184	207	229						
C92942	158	194	218	237	245	260	271	288	287	305
C92943	162	189	214	239	253	279	282	298	302	305
C92944	173	204	236	252	283	304	309	320	332	347

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 2 - 0.5 PPM										
C92945	146	161	193	207						
C92946	140	157	184	194	201	207	225	235	242	251
C92947	150	179	194	221	236	256	263	269	279	293
C92948	161	175	212	235	252	283	273	299	315	319
C92949	175	216	245	289	291	311	346	357	359	387
C92950	156	180	193	221						
C92951	153	174	189	195	202	216	222	238	233	248
C92952	141	163	181	195	218	223	230	248	248	260
C92953	147	175	189	210	217	229	237	246	245	256
C92954	141	163	195	209	229	244	245	261	262	270
C92955	157	188	210	226	245	259	257	280	276	301
C92956	165	196	216	246	259	271	273	289	298	311
C92957	148	177	198	209	216	229	226	246	246	248
C92958	146	161	181	188	205	218	218	224	233	244
C92959	167	201	231	245	255	272	269	286	295	313
C92960	165	192	235	255	270	272	285	291	302	294
C92961	181	226	247	263	302	313	319	332	331	342
C92962	157	178	205	210	222	234	232	241	249	255
C92963	150	169	187	194	205	217	220	224	231	245
C92964	165	189	208	231	226	246	242	250	254	268
C92965	141	175	199	211	234	242	247	256	261	271
C92966	142	167	186	198	210	223	226	235	234	241
C92967	144	173	202	224	241	256	263	274	276	290
C92968	151	186	215	241	242	263	274	283	288	301
C92969	149	167	183	197						
C92970	161	187	218	235	260	273	280	289	305	328
C92971	148	155	185	200	215	224	226	236	232	245
C92972	145	169	201	215	235	242	250	254	267	269
C92973	143	153	184	199	214	223	235	243	241	254
C92974	153	175	186	209	223	231	232	245	248	256
C92975	150	175	197	216	222	242	242	260	254	265

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 2 - 0.5 PPM										
C92976	178	204	233	253	264	277	279	296	303	310
C92977	140	165	191	216	221	248	265	275	275	287
C92978	170	208	237	270	278	304	305	324	334	339
C92979	147	173	191	209	229	242	246	259	262	270
C92980	147	171	193	217	231	253	259	267	278	285
C92981	162	192	227	244	248	259	263	278	283	289
C92982	153	176	202	211						
C92983	140	180	205	222	237	261	283	304	293	301
C92984	168	198	221	241	259	275	282	295	306	314
C92985	163	193	216	242	261	266	284	294	306	308
C92986	144	165	191	205	222	229	241	252	250	257
C92987	164	186	220	235	245	248	262	269	272	275
C92988	154	168	200	215	230	238	246	261	263	263
C92989	151	176	203	222	225	238	247	251	258	261
C92990	171	196	226	235	242	254	263	274	275	269
GROUP: FEMALE 3 - 2 PPM										
C92991	142	155	185	202	212	216	228	241	245	249
C92992	158	185	202	214	231	241	244	254	260	259
C92993	156	182	203	218	227	246	260	270	272	284
C92994	153	170	184	204	224	234	246	244	256	264
C92995	154	177	204	215	241	248	250	267	264	
C92996	157	172	205	221						
C92997	160	177	197	206	225	238	237	247	245	262
C92998	159	176	198	207	225	243	242	266	270	280
C92999	156	189	215	232	248	262	256	280	285	287
C93000	176	193	215	234	247	252	257	266	260	276
C93001	141	163	185	196	212	228	232	235	243	251
C93002	158	179	203	221	221	239	236	245	252	247
C93003	163	183	212	218	251	268	269	283	290	308

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 3 - 2 PPM										
C93004	150	170	194	206	223	226	235	261	252	268
C93005	160	184	197	218	225	230	241	247	251	248
C93006	160	175	206	212						
C93007	154	178	196	208	228	239	240	247	250	258
C93008	173	192	218	240						
C93009	150	165	186	201	218	232	245	255	258	268
C93010	152	183	207	225	243	250	255	264	267	271
C93011	156	186	210	234	257	263	269	272	280	286
C93012	167	192	228	236	271	290	289	317	308	319
C93013	139	148	177	190	198	214	219	238	231	233
C93014	165	200	221	247	270	296	287	303	295	308
C93015	165	187	215	237	248	260	268	284	286	291
C93016	135	144	160	166	191	199	212	220	225	226
C93017	152	162	184	197	218	224	235	248	248	260
C93018	163	180	209	233	237	250	260	273	273	278
C93019	163	188	213	234	248	263	269	279	289	292
C93020	156	167	203	228	239	248	258	266	270	280
C93021	141	171	191	220	236	251	259	276	274	279
C93022	164	187	210	230	246	262	261	285	281	295
C93023	144	155	174	196	208	214	227	239	241	243
C93024	163	193	206	234	248	257	257	268	266	269
C93025	174	198	220	250	255	270	286	300	303	315
C93026	141	161	188	206	221	240	254	261	260	273
C93027	156	179	203	224	231	246	256	264	261	271
C93028	156	178	200	219	224	237	247	261	260	261
C93029	146	162	191	200	223	228	235	244	239	234
C93030	146	169	193	204	225	238	242	238	248	268
C93031	143	162	184	203						
C93032	152	171	192	217	218	234	233	246	250	259
C93033	168	188	196	224	226	243	248	264	265	269
C93034	168	195	207	238	237	259	269	269	270	278

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 3 - 2 PPM										
C93035	151	179	207	226	238	257	266	273	274	287
C93036	157	173	191	216	222	237	246	253	259	267
C93037	143	168	188	216	236	244	258	265	264	276
C93038	140	156	170	192	197	215	216	218	222	236
C93039	144	160	188	202	228	244	254	272	274	281
C93040	134	151	162	180	188	205	212	213	223	230
C93041	158	182	196	219	235	240	254	263	267	273
C93042	163	194	216	244	261	276	272	294	291	292
C93043	148	163	195	208	226	248	245	269	267	273
C93044	154	168	195	208	229	232	239	253	256	257
C93045	162	200	221	243						
C93046	164	201	237	268	278	291	300	303	309	325
C93047	171	200	231	249	282	299	298	316	314	326
C93048	140	157	177	182	203	211	220	218	223	234
C93049	151	169	195	210	216	227	237	241	239	244
C93050	163	178	200	220	234	244	250	258	260	265
GROUP: FEMALE 4 - 5 PPM										
C93051	150	165	196	196	223	222	234	234	251	250
C93052	151	178	202	211	231	246	250	260	263	277
C93053	151	169	194	202	215	229	228	248	248	264
C93054	150	160	178	187	205	219	224	239	238	249
C93055	156	185	208	223	234	251	256	272	269	286
C93056	145	179	208	222	231	248	256	268	265	278
C93057	140	162	186	198	218	231	230	241	236	245
C93058	169	210	233	257						
C93059	150	181	203	223	233	250	254	269	267	274
C93060	161	185	198	219	238	249	247	275	276	280
C93061	159	184	200	226	238	249	252	269	267	278
C93062	146	165	189	198	215	229	234	244	253	264

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 4 - 5 PPM										
C93063	156	179	213	213	245	256	254	263	260	264
C93064	144	169	191	202	217	227	230	235	237	245
C93065	128	150	169	172	190	197	197	203	210	221
C93066	162	192	216	232	234	253	251	270	257	265
C93067	162	190	199	231						
C93068	158	174	200	220	222	237	246	254	254	264
C93069	168	207	237	267	275	288	296	303	309	326
C93070	164	192	219	236						
C93071	146	167	182	195	201	200	210	221	219	233
C93072	143	173	198	213	219	230	240	246	251	259
C93073	157	179	204	214	222	240	247	259	258	272
C93074	161	192	232	245	253	263	261	279	276	290
C93075	155	174	192	205						
C93076	146	172	192	214	225	255	241	257	264	265
C93077	164	197	220	242	255	261	262	284	283	296
C93078	150	171	195	205	215	232	246	254	247	261
C93079	159	188	212	225	254	250	267	286	310	299
C93080	146	171	207	218	238	251	253	265	259	266
C93081	143	167	177	198	205	223	233	240	244	248
C93082	169	196	208	230	254	264	265	289	291	294
C93083	155	181	208	221	231	251	251	265	265	277
C93084	144	167	193	206						
C93085	155	182	209	213	234	245	251	262	261	273
C93086	164	190	212	236	249	260	267	281	281	283
C93087	135	163	186	189	204	214	220	230	235	236
C93088	154	177	200	214	232	237	242	253	249	254
C93089	173	210	233	253	259	267	278	286	290	296
C93090	154	183	205	217	226	234	237	241	250	250
C93091	168	198	221	236	261	258	277	289	278	302
C93092	152	176	196	212	216	231	233	248	248	262
C93093	159	194	216	219	255	269	277	295	302	325

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 4 - 5 PPM										
C93094	132	159	188	202	215	230	257	257	254	271
C93095	143	177	200	212	225	233	238	249	246	261
C93096	145	176	209	236	248	258	274	294	295	308
C93097	154	166	183	188	209	221	230	246	247	256
C93098	143	168	190	206	218	224	231	242	247	256
C93099	153	176	207	221	235	248	251	255	260	274
C93100	170	196	217	231	242	244	251	265	263	284
C93101	156	170	196	204	219	218	233	245	244	263
C93102	165	200	230	241	260	269	284	290	296	310
C93103	151	184	200	225	223	252	249	263	273	278
C93104	171	199	229	245	267	285	304	328	337	361
C93105	158	188	227	233	261	278	263	278	277	292
C93106	158	178	201	212	227	228	236	253	247	253
C93107	143	172	198	210	228	243	249	260	268	280
C93108	148	166	191	197	213	219	227	244	244	264
C93109	150	174	200	207	228	245	244	254	257	272
C93110	173	193	234	261	288	307	316	341	343	361
GROUP: FEMALE 5 - 20 PPM										
C93111	160	192	224	257	261	275	277	295	295	306
C93112	175	191	221	237	240	259	265	264	264	265
C93113	139	155	161	177	194	199	200	217	220	219
C93114	162	194	219	222						
C93115	151	159	178	189	193	203	203	210	209	218
C93116	146	180	201	218	216	225	231	240	233	245
C93117	138	167	179	206	215	219	228	242	236	256
C93118	152	164	185	199	218	218	214	229	223	233
C93119	148	171	183	187	204	205	202	215	206	205
C93120	144	182	195	214	216	225	227	236	235	233
C93121	132	155	166	180	187	191	197	212	206	213

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 5 - 20 PPM										
C93122	167	194	229	232	261	272	266	273	282	293
C93123	166	192	212	228						
C93124	152	183	200	209	222	236	236	244	235	243
C93125	140	152	169	182	193	198	199	213	215	210
C93126	139	159	172	191	196	211	204	217	217	226
C93127	156	184	203	207	227	240	234	242	242	250
C93128	161	175	201	202	219	222	227	243	238	250
C93129	144	168	192	216	236	239	245	250	251	263
C93130	159	182	209	227	241	241	245	261	257	272
C93131	160	187	215	229	239	250	256	264	270	275
C93132	158	192	214	230	238	243	247	252	241	256
C93133	152	184	204	205	220	225	223	234	230	240
C93134	180	214	223	234	246	255	265	268	274	277
C93135	144	180	201	225	230	247	244	260	252	265
C93136	161	190	208	208	225	238	240	242	244	246
C93137	144	160	188	201	205	212	219	233	230	229
C93138	163	184	207	220	227	234	239	252	247	262
C93139	139	166	179	199	207	212	206	214	213	223
C93140	146	175	199	229	227	246	245	255	260	266
C93141	150	182	209	231	240	259	263	273	271	278
C93142	171	198	210	238						
C93143	169	191	222	238	238	257	266	276	277	274
C93144	137	149	176	184						
C93145	135	160	173	194	203	210	213	217	214	226
C93146	147	172	187	201	196	204	207	220	211	225
C93147	146	174	196	209	226	231	236	246	244	254
C93148	146	179	205	222	226	234	249	266	266	287
C93149	145	159	185	197	210	223	224	234	235	244
C93150	171	196	229	235	248	263	258	266	266	273
C93151	157	188	207	223	225	234	239	249	245	255
C93152	160	189	207	227	235	241	246	261	260	268

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 5 - 20 PPM										
C93153	168	194	204	226	230	236	233	246	241	236
C93154	150	179	205	220	226	243	246	252	251	264
C93155	151	168	196	220	220	221	222	244	231	236
C93156	139	164	180	201	201	211	218	227	223	236
C93157	161	181	192	221	223	229	229	244	243	255
C93158	147	175	200	212	225	234	235	240	251	260
C93159	151	168	189	204						
C93160	151	183	215	239	247	262	276	286	286	301
C93161	144	177	200	226	233	241	251	257	257	273
C93162	175	206	236	246	243	258	262	279	277	271
C93163	146	168	191	211	220	223	226	237	234	239
C93164	160	170	195	192	209	208	220	221	224	237
C93165	147	177	193	210	216	229	230	243	241	250
C93166	167	197	226	237	267	272	266	291	297	300
C93167	160	172	213	233	237	257	252	268	276	270
C93168	144	157	189	201	220	231	229	241	234	243
C93169	157	177	197	209	229	234	237	242	237	251
C93170	156	180	202	220	228	251	254	261	257	268
C93171	156	181	191	220	226	238	247	253	256	262
C93172	157	180	199	216	232	236	241	258	254	246
C93173	148	174	197	219	220	224	232	242	237	257
C93174	155	169	188	200	202	221	231	236	235	239
C93175	144	173	198	208	217	225	227	240	234	251
C93176	130	160	183	199	215	227	229	238	236	247
C93177	158	172	189	198	211	220	222	233	229	235
C93178	149	176	199	213	231	233	236	244	241	250
C93179	145	171	191	205	209	219	226	232	229	240
C93180	174	201	229	250	257	270	274	283	281	292

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 6 - 20 PPM										
C93181	151	170	187	203	208	220	233	248	240	249
C93182	150	171	192	205	211	217	222	238	231	250
C93183	161	184	197	227	239	248	262	275	276	285
C93184	134	159	168	194	206	218	215	229	227	231
C93185	163	181	204	222	229	240	245	253	250	261
C93186	156	162	182	200	210	201	215	221	217	213
C93187	157	180	200	204	232	234	242	251	252	256
C93188	160	188	208	231	237	245	246	260	263	272
C93189	147	171	192	197	213	216	222	231	228	240
C93190	152	181	199	220	229	243	244	257	251	262
C93191	167	191	231	244	260	276	278	298	306	306
C93192	161	179	198	203	218	220	225	227	231	232
C93193	157	173	199	217	229	233	240	246	245	240
C93194	173	202	220	246	264	271	274	289	285	297
C93195	170	192	218	237	244	252	262	274	266	270
C93196	135	152	174	179	199	200	211	216	213	224
C93197	151	167	181	188	201	205	210	213	215	225
C93198	157	179	197	215	236	239	247	250	245	257
C93199	161	189	205	221	226	233	235	245	243	248
C93200	151	167	189	198	212	224	230	241	231	241
C93201	133	158	183	202	209	222	228	237	230	238
C93202	140	153	194	207	228	234	236	248	249	239
C93203	156	183	208	220	245	241	258	266	262	271
C93204	156	191	201	226	236	234	242	254	246	245
C93205	179	205	221	249	254	265	269	276	273	282
C93206	148	159	176	191	195	213	216	227	220	232
C93207	139	161	184	195	210	222	222	228	229	238
C93208	163	187	197	225	223	238	234	246	241	249
C93209	168	190	201	202	224	240	228	238	238	244
C93210	161	193	210	213	239	245	257	257	263	266
C93211	145	165	173	198	203	216	217	227	223	231

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 6 - 20 PPM										
C93212	146	172	204	205	231	237	246	263	259	262
C93213	157	186	202	223	234	236	245	253	251	257
C93214	148	166	193	198	213	222	226	242	231	244
C93215	145	169	198	219	233	241	249	256	255	264
C93216	142	169	188	207	213	227	236	242	238	252
C93217	162	193	220	240	259	270	267	286	283	291
C93218	136	162	181	201	207	215	221	235	230	236
C93219	181	214	242	266	276	285	275	297	293	299
C93220	166	192	207	229	247	250	253	257	267	276

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 21	WEEK 25	WEEK 29
GROUP: MALE 1 - 0 PPM										
C92501	591	603	615	641	639	657	667	698	725	762
C92502	452	460	463	469	474	484	486	509	522	548
C92503	512	511	517	523	529	547	549	560	592	630
C92504	494	475	466	474	476	487	491	523	555	572
C92505	422	419	432	439	447	460	468	488	504	530
C92507	506	507	522	526	532	539	541	557	571	590
C92508	443	454	460	469	471	481	492	517	540	574
C92509	499	502	515	523						
C92510	528	531	541	555	568	572	575	602	616	627
C92511	500	515	526	541						
C92512	486	498	505	520	525	547	552	585	607	625
C92513	466	477	489	496	506	520	524	544	576	609
C92514	577	593	603	620	640	658	668	719	753	806
C92515	457	470	479	485	495	515	516	541	562	588
C92516	459	464	469	476	479	492	496	505	530	564
C92517	587	599	605	615	628	644	656	694	731	785
C92518	530	534	553	562	586	595	601	641	668	706
C92519	461	465	476	488	490	500	507	523	547	570
C92520	492	508	516	526	533	545	549	568	589	616
C92521	476	481	491	502						
C92522	484	490	495	508	506	519	519	531	548	581
C92523	477	496	503	520	521	539	545	576	619	655
C92525	508	523	540	554	560	581	592	613	645	670
C92527	503	517	528	534	535	556	556	592	609	645
C92528	432	447	454	464						
C92530	496	507	521	529	535	547	561	585	608	646
C92531	474	480	486	501	512	524	532	555	588	628
C92532	581	594	600	620						
C92533	573	589	592	612	611	627	643	658	675	719
C92534	473	482	484	489	500	509	516	531	559	601
C92535	503	514	512	519	524	547	559	578	603	642
C92536	480	491	497	515	526	541	548	581	610	661

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 21	WEEK 25	WEEK 29
GROUP: MALE 1 - 0 PPM										
C92537	594	612	632	647	654	665	685	724	767	808
C92538	506	521	534	551	571	581	594	631	668	733
C92539	566	582	591	607	620	635	643	685	721	764
C92540	523	536	545	557	562	576	583	613	662	694
C92541	566	583	593	602	610	622	640	667	701	742
C92542	508	512	509	517	518	526	534	559	584	607
C92543	500	505	509	517	531	542	539	558	579	606
C92544	420	468	495	505	521	529	538	560	589	616
C92545	482	497	502	513	518	538	546	575	609	639
C92547	591	606	614	632	632	648	644	668	689	716
C92548	465	469	480	489	498	512	510	537	575	630
C92549	438	441	445	449	458	463	468	479	509	538
C92550	521	535	548	559	571	591	602	644	686	730
C92551	455	458	471	475	480	496	499	527	542	556
C92552	507	516	524	541	553	567	573	600	631	687
C92553	362	365	372	371	376	376	383	378	375	368
C92554	449	457	461	465	470	484	487	511	534	565
C92555	475	489	502	526	536	553	562	610	661	700
C92556	489	496	508	517	524	544	553	576	610	662
C92557	483	494	502	514	520	536	536	562	598	623
C92558	555	557	562	576	582	593	597	626	646	696
C92559	484	489	490	500	505	517	524	539	568	599
C92560	492	506	512	524	526	541	546	572	602	655
C92561	500	512	527	534	544	553	555	588	618	650
C92562	483	493	499	518	512	528	536	560	588	619
C92563	514	522	534	540	542	561	572	594	618	656
C92564	524	537	561	576	589	606	620	662	705	760
C92565	498	517	521	531	534	542	550	571	620	672
C92566	534	544	553	566	559	576	577	552		
C92567	510	514	516	534	538	551	548	583	611	637
C92568	489	503	514	515	524	535	548	567	588	627

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 21	WEEK 25	WEEK 29
GROUP: MALE 1 - 0 PPM										
C92569	511	507	515	520	528	541	559	572	596	629
C92570	506	527	531	543	551	561	573	598	619	638
GROUP: MALE 2 - 0.5 PPM										
C92571	503	522	529	548	558	570	570	602	619	646
C92572	500	511	514	537	543	552	557	596	618	663
C92573	580	592	601	620	629	642	652	694	723	777
C92576	528	540	539	558	564	577	585	620	631	680
C92577	538	553	563	585	598	615	631	683	722	752
C92578	509	524	526	549	562	565	575	615	650	695
C92579	565	583	583	599	603	615	624	656	680	714
C92580	513	525	524	540	542	554	562	598	618	653
C92581	550	557	560	572	583	596	593	622	648	685
C92582	432	445	443	452	456	462	463	471	502	542
C92583	459	467	469	480	477	486	491	519	533	562
C92584	408	419	422	435	436	444	448	465	478	503
C92585	522	535	531	553	558	573	578	622	646	682
C92586	491	499	512	533	551	568	575	629	660	698
C92587	553	566	573	596	610	626	634	667	708	755
C92588	483	490	499	509	519	525	528	548	568	595
C92589	536	547	555	570	577	586	591	616	634	685
C92590	556	563	567	592	602	614	619	651	673	698
C92591	459	470	475	494	498	509	520	556	581	621
C92592	517	525	520	531	538	545	551	579	611	654
C92593	488	495	498	506						
C92594	495	497	498	505	513	520	532	559	581	614
C92595	482	490	487	495	501	517	521	533	547	587
C92596	488	496	503	521	524	536	542	567	602	648
C92597	451	454	459	474	478	487	497	520	540	571
C92598	497	509	513	529	525	534	537	568	591	616

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 21	WEEK 25	WEEK 29
GROUP: MALE 2 - 0.5 PPM										
C92599	559	569	568	587	592	605	603	642	663	693
C92600	471	480	487	499						
C92601	471	471	478	495	500	510	524	551	583	606
C92602	434	437	433	445	445	460	461	491	508	517
C92603	513	519	532	543	545	557	555			
C92604	510	518	532	550	557	575	580	627	659	698
C92605	528	541	551	570	576	592	608	647	695	735
C92606	483	495	504	519	529	540	546	592	621	643
C92607	528	541	552	571	576	588	600	626	660	673
C92608	557	574	587	604	579	576	578	623	667	710
C92609	487	490	493	504	509	518	528	562	600	629
C92611	474	483	487	497	505	510	512	540	563	580
C92612	506	516	523	538	534	551	562	615	586	670
C92614	537	539	548	563	574	582	587	617	654	675
C92615	498	507	520	539	548	565	566	612	658	696
C92616	406	411	416	428						
C92617	570	583	601	614	630	644	654	704	741	766
C92619	453	460	466	483	482	495	496	527	537	559
C92620	424	429	433	449	454	459	468	496	514	538
C92621	512	530	539	555						
C92622	504	515	528	538	543	555	564	592	634	662
C92623	434	447	458	468	474	482	494	524	543	578
C92624	468	479	487	511	513	514	529	567	610	650
C92625	567	578	595	610	616	637	647	689	728	756
C92626	529	539	548	561	572	560	566	598	639	645
C92627	529	545	554	560						
C92628	536	547	548	564	573	586	589	613	653	674
C92629	518	528	543	560	571	585	593	649	680	738
C92630	520	531	535	555	559	571	580	623	654	672

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 21	WEEK 25	WEEK 29
GROUP: MALE 3 - 2 PPM										
C92631	455	473	490	494	505	510	515	536	568	584
C92632	583	573	616	627	644	641	663	703	742	791
C92633	458	477	492	503	508	517	528	561	602	624
C92634	435	448	462	472	485	497	496	522	569	600
C92635	496	509	514	525	534	542	550	581	621	657
C92636	469	485	503	514	517	533	545	581	614	639
C92637	404	414	430	432	441	450	452	477	498	521
C92638	572	598	611	622	639	648	661	717	775	842
C92639	469	488	499	512	525	531	540	562	609	649
C92640	409	409	414	416						
C92641	496	477	502	525	544	561	580	606	649	664
C92642	494	510	531	541	547	560	566	583	615	654
C92643	435	450	467	472	480	483	495	507	533	554
C92644	420	441	451	458	459	468	480	491	514	537
C92645	469	480	499	510						
C92647	461	468	481	488	494	509	519	538	568	590
C92648	413	416	429	438	447	458	466	486	513	542
C92649	403	414	427	434	440	451	457	484	511	533
C92651	506	523	538	549	548	561	575	588	626	665
C92653	501	512	532	541	560	568	579	617	654	696
C92654	477	500	516	525	531	546	548	552	581	616
C92655	530	554	569	575	587	606	607	634	667	693
C92656	491	536	561	575	580	593	601	625	659	691
C92657	485	506	514	520	530	545	551	586	615	639
C92658	501	521	537	553	560	577	581	623	640	671
C92659	509	529	548	562	570	585	589	627	665	694
C92660	451	468	473	480	483	488	492	506	527	534
C92661	464	477	486	497	508	528	534	561	597	627
C92662	438	444	448	459						
C92663	521	526	542	552	560	577	579	615	665	711
C92664	495	515	533	538	540	550	558	592	621	646

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 21	WEEK 25	WEEK 29
GROUP: MALE 3 - 2 PPM										
C92665	543	555	568	578	590	606	614	639	680	721
C92666	509	531	551	557	563	571	581	590	620	653
C92667	530	556	577	592	604	614	620	666	694	704
C92669	452	471	489	497	505	515	529	567	592	628
C92670	432	449	461	463	469	474	482	507	516	538
C92671	462	477	487	499	512	522	527	559	581	608
C92672	454	478	496	508	515	528	539	568	602	628
C92673	501	516	524	537	540	552	559	594	618	634
C92674	470	485	498	513	526	544	551	597	633	663
C92675	460	479	479	487	496	506	516	539	558	577
C92676	453	463	477	482						
C92677	461	469	479	473	486	491	501	542	552	582
C92679	499	510	526	539	546	560	575	618	640	672
C92680	533	553	568	576	577	589	596	642	652	676
C92681	473	492	506	516	524	533	547	570	600	629
C92682	465	479	490	499	507	518	533	570	594	626
C92683	492	507	519	526	537	544	552	593	622	662
C92684	436	450	454	457						
C92685	508	517	534	538	555	570	579	619	652	683
C92686	488	494	507	517	524	527	539	576	600	630
C92687	522	552	567	581	596	607	619	658	685	715
C92688	457	467	480	488	492	499	501	530	543	563
C92689	457	469	468	478	491	503	511	545	576	595
C92690	603	612	630	642	652	668	677	727	736	773
GROUP: MALE 4 - 5 PPM										
C92691	472	487	486	496	506	526	532	566	595	620
C92692	487	512	517	529	534	547	547	581	592	622
C92693	498	513	514	526	541	554	561	581	603	633
C92694	517	530	529	532	546	560	572	603	616	651

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 21	WEEK 25	WEEK 29
GROUP: MALE 4 - 5 PPM										
C92695	494	504	506	513	521	533	537	570	582	603
C92696	494	508	513	517	530	549	551	563	567	575
C92697	495	507	518	532	540	555	559	575	592	611
C92698	522	534	546	566	579	597	600	643	665	688
C92699	428	440	450	463	470	485	491	483	521	530
C92700	394	399	398	412	413	426	428	443	448	460
C92701	482	506	516	534	546	549	555	589	607	642
C92702	473	478	484	491	499	510	518	538	555	568
C92703	513	528	538	546	561	574	589	625	657	678
C92704	508	525	533	546	556	571	583	605	625	666
C92705	477	493	499	511	524	541	542	570	592	624
C92706	500	518	523	540	552	566	571	594	630	670
C92707	449	467	469	471	475	489	498	523	536	556
C92708	462	478	482	496	503	513	520	541	557	566
C92709	466	480	478	489	496	515	525	554	571	593
C92710	497	509	516	527	545	559	563	584	600	613
C92711	492	501	509	520	519	537	549	578	598	624
C92712	533	549	548	561	578	595	602	641	679	719
C92713	545	554	563	576						
C92714	526	542	551	567						
C92716	569	570	580	595	601	622	633	667	682	711
C92717	493	501	517	534	545	559	567	600	624	659
C92719	459	467	474	491						
C92720	532	548	549	562	577	591	599	626	641	673
C92721	438	447	457	467	480	489	492	513	528	554
C92722	473	504	518	536						
C92723	526	544	558	572	583	597	603	634	663	687
C92724	538	549	561	581	603	614	625	655	681	718
C92725	449	456	460	469	478	484	488	528	541	559
C92726	498	512	517	525	528	539	552	558	574	605
C92727	484	490	498	509	515	527	542	577	620	648

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 21	WEEK 25	WEEK 29
GROUP: MALE 4 - 5 PPM										
C92728	567	587	596	611						
C92729	554	566	581	596	621	635	641	683	716	764
C92730	467	483	483	491	505	523	530	553	591	628
C92732	477	486	495	507	525	533	546	572	599	639
C92733	442	448	446	458	473	486	492	513	537	574
C92735	507	513	521	531	541	554	565	575	598	622
C92736	470	477	488	504	518	537	545	557	587	629
C92737	481	490	494	505	521	537	543	565	595	630
C92738	471	492	495	508	520	529	532	545	560	591
C92739	424	436	439	447	460	472	476	488	521	545
C92740	504	509	521	529	543	553	566	578	597	625
C92741	499	511	508	527	533	546	560	578	600	618
C92742	567	587	604	623	639	655	663	680	713	751
C92743	545	565	575	591	612	631	638	672	706	741
C92745	536	557	567	590	605	624	636	678	721	756
C92746	548	575	578	592	596	613	622	646	665	706
C92747	479	488	498	511	522	543	545	551	570	602
C92748	530	544	558	570	569	585	604	615	638	664
C92749	440	450	458	465	486	504	510	522	544	573
C92750	484	495	499	513	527	546	552	547	594	629
GROUP: MALE 5 - 20 PPM										
C92751	506	515	524	539	547	564	577	613	647	681
C92753	496	499	501	514	514	529	535	567	559	556
C92754	420	426	431	441	440	448	449	459	467	499
C92755	449	461	463	479	491	504	509	538	569	595
C92756	531	541	552	573	584	602	603	630	648	679
C92757	431	426	432	447	451	465	467	489	514	538
C92758	464	477	485	500	506	520	518	542	559	576
C92760	486	494	500	513	522	528	527	546	554	582

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 21	WEEK 25	WEEK 29
GROUP: MALE 5 - 20 PPM										
C92761	453	454	459	471	481	486	482	498	504	516
C92762	481	486	492	506	509	518	520	533	553	578
C92763	548	565	575	589	612	624	629	676	724	777
C92764	515	527	534	546	556	558	565	582	599	621
C92765	498	512	516	526						
C92766	453	461	461	477	486	497	494	516	545	575
C92767	545	569	578	600	599	622	637	680	733	799
C92768	535	552	548	562	568	581	576	609	624	653
C92769	504	517	528	545	553	569	564	610	629	651
C92770	533	554	563	570	578	584	583	598	616	649
C92771	495	506	514	528	545	554	547	582	610	653
C92772	483	496	500	513	522	533	540	563	588	610
C92773	435	451	456	457	455	462	455	463	467	491
C92774	488	498	510	526	533	541	543	579	604	616
C92775	509	526	542	549	561	569	579	598	630	668
C92776	501	522	530	545	559	568	562	581	599	624
C92777	424	439	446	455						
C92778	505	521	530	537	549	557	560	580	595	623
C92780	413	420	428	439	451	465	462	471	498	515
C92781	461	469	473	484	495	506	504	517	537	563
C92782	458	467	476	490	500	515	516	540	557	597
C92783	527	537	544	559	569	580	589	614	635	680
C92784	463	475	489	497	503	514	523	531	556	587
C92785	469	479	483	495	507	517	524	520	537	561
C92786	470	483	494	503	502	518	523	557	579	613
C92787	482	488	499	509	517	526	528	551	572	590
C92788	515	525	539	552	561	570	565	572	589	609
C92789	459	466	479	449						
C92790	480	491	497	518	528	541	535	543	563	582
C92791	444	451	458	470	481	484	493	503	525	546
C92792	498	498	509	526	529	538	544	560	591	604

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 21	WEEK 25	WEEK 29
GROUP: MALE 5 - 20 PPM										
C92794	444	456	460	474	479	488	489	505	531	549
C92795	462	472	480	489	502	515	521	543	571	599
C92796	427	430	437	448	453	462	466	480	499	519
C92797	453	465	479	487	493	505	512	537	561	590
C92799	503	521	535	552						
C92800	470	481	484	498	501	509	511	513	525	556
C92801	538	560	571	590	596	612	615	643	677	722
C92802	456	470	476	483	493	501	508	523	551	589
C92803	495	502	514	520	524	528	536	544	558	547
C92804	448	461	467	483	490	498	510	520	541	560
C92805	510	527	543	555	563	575	581	611	629	661
C92806	456	473	496	518	524	538	535	555	571	604
C92807	470	479	491	499	513	530	536	548	569	599
C92808	433	443	446	457	462	473	478	483	493	527
C92809	481	494	503	509	520	527	529	546	561	588
C92810	465	472	481	494	503	514	518	533	561	586
C92811	486	496	509	513	526	539	551	581	609	648
C92812	491	504	513	523						
C92813	479	483	495	506	516	519	526	541	562	584
C92814	376	375	375	374	377	377	389	392	406	436
C92815	415	419	430	442	452	450	460	462	479	507
C92816	428	436	445	456	463	472	474	493	514	542
C92817	547	550	568	581	592	600	613	657	702	744
C92818	460	470	475	482	491	495	499	522	537	566
C92819	412	416	414	416	426	430	432	457	476	508
C92820	398	405	415	415	427	442	442	455	466	489
GROUP: MALE 6 - 20 PPM										
C92821	447	456	471	481	485	491	488	508	475	518
C92822	440	448	455	465	480	488	491	520	542	580

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 21	WEEK 25	WEEK 29
GROUP: MALE 6 - 20 PPM										
C92823	469	481	487	499	510	522	531	544	550	576
C92824	487	498	510	519	533	539	543	561	584	621
C92825	551	557	566	583	597	611	610	664	705	752
C92826	441	450	463	475	485	488	498	507	539	569
C92827	459	465	475	492	498	501	507	524	547	581
C92828	504	518	513	516	527	533	532	563	583	605
C92829	521	528	545	552	570	580	583	611	645	680
C92830	437	442	447	464	476	487	493	492	512	541
C92831	494	506	521	512	524	528	538	577	606	629
C92832	430	441	450	462	478	480	476	502	520	535
C92833	508	520	529	542	557	570	577	606	642	677
C92834	473	484	488	498	510	513	517	544	565	592
C92835	433	444	443	454	459	477	481	515	534	565
C92836	500	514	526	533	542	547	544	564	580	609
C92837	520	522	535	545	546	556	555	584	610	641
C92838	462	469	476	491	506	511	510	534	559	586
C92839	602	619	634	656	663	670	685	732	775	811
C92840	423	432	438	453	462	471	474	496	516	538
C92841	434	444	450	443	459	468	468	484	497	516
C92842	517	530	540	550	561	559	564	581	601	624
C92843	528	532	538	542	545	549	558	587	613	648
C92844	379	384	385	390	391	398	405	419	431	450
C92845	442	454	457	467	476	483	486	497	521	546
C92846	496	513	531	541	538	551	563	582	592	637
C92847	550	566	582	593	605	622	622	641	672	700
C92848	388	402	414	428	438	441	445	464	485	506
C92849	482	488	498	510	521	524	530	555	580	618
C92850	438	436	436	444	442	448	452	474	477	499
C92851	483	488	495	507	512	525	535	546	568	602
C92852	442	449	451	460	462	464	472	479	502	528
C92853	449	462	463	473	477	487	490	517	541	564

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 21	WEEK 25	WEEK 29
GROUP: MALE 6 - 20 PPM										
C92854	477	493	501	510	516	527	530	553	583	626
C92855	450	456	464	471	480	493	487	499	524	559
C92856	441	448	454	461	474	484	487	503	525	543
C92857	512	517	520	527	537	544	551	572	601	629
C92858	503	518	532	553	563	575	576	608	631	663
C92859	479	488	498	510	517	526	525	547	573	602
C92860	433	442	442	454	465	465	475	491	522	549
GROUP: FEMALE 1 - 0 PPM										
C92862	241	241	243	246	261	260	257	253	258	268
C92863	277	281	284	290	287	290	287	303	315	333
C92865	276	280	292	284	286	293	289	322	337	344
C92866	279	289	296	296	296	304	304	317	320	345
C92867	300	329	324	323	318	324	311	329	346	363
C92868	283	290	302	311	315	314	308	316	335	343
C92869	235	239	244	248	256	259	259	267	273	280
C92870	259	265	272	272	276	290	287	291	307	316
C92871	287	295	295	299	292	291	296	307	324	351
C92872	224	233	234	235	240	239	244	274	291	309
C92873	226	236	243	246	246	253	256	261	269	279
C92874	273	281	287	290	293	294	298	306	321	324
C92875	251	264	261	263	272	283	282	286	292	299
C92876	258	266	266	272	271	279	278	290	298	301
C92877	259	264	267	277	272	279	289	295	326	328
C92878	256	261	269	262	272	272	279	283	285	293
C92879	310	327	320	325	331	331	331	332	357	380
C92880	267	274	273	283						
C92881	286	295	301	296	306	314	313	321	333	360
C92882	245	244	243	251	250	249	258	264	254	272
C92883	327	337	344	338	346	352	350	357	367	383

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 21	WEEK 25	WEEK 29
GROUP: FEMALE 1 - 0 PPM										
C92884	265	264	281	275	267	273	276	286	287	307
C92885	296	304	307	313	317	324	316	330	350	359
C92886	255	260	260	266	269	265	275	283	288	312
C92887	277	287	289	296						
C92888	315	332	343	357	356	370	370	369	399	405
C92889	254	261	260	260	264	266	264	278	284	296
C92890	323	330	329	338	342	343	343	350	367	377
C92891	256	262	259	273	281	279	275	285	298	306
C92892	348	361	366	370	369	371	375	382	409	426
C92893	250	248	250	257	260	260	259	259	265	281
C92894	255	264	272	277	281	281	279	295	304	315
C92895	279	288	289	297	295	296	295	306	322	324
C92896	273	280	285	298	303	301	308	328	352	370
C92897	243	247	250	260	260	263	261	274	284	290
C92898	290	296	300	306						
C92899	346	362	374	366	366	375	386	399	413	414
C92900	310	322	299	331	329	330	329	345	363	369
C92901	263	270	275	280	279	288	289	296	306	318
C92902	368	374	383	398	417	420	408	418	447	470
C92903	351	353	378	378						
C92904	255	265	262	273	265	273	261	275	273	278
C92905	256	267	267	280						
C92906	252	254	257	262	264	265	267	275	289	296
C92907	258	277	278	284	292	289	299	296	316	322
C92908	288	292	303	315	313	314	319	321	356	369
C92909	269	281	287	289	291	297	297	299	313	321
C92910	305	316	319	325	333	339	324	306	330	347
C92911	241	253	260	255	263	269	266	282	281	293
C92912	294	308	317	318	322	335	351	353	366	356
C92913	281	288	292	292	294	296	299	298	310	314
C92915	271	287	297	297	302	310	304	307	323	338

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 21	WEEK 25	WEEK 29
GROUP: FEMALE 1 - 0 PPM										
C92916	336	357	369	388	403	414	426	439	457	472
C92917	346	359	354	367	372	381	375	390	409	425
C92918	274	292	295	295	305	313	313	311	324	336
C92920	252	264	267	277	280	285	284	290	309	326
C92921	318	338	353	355	373	380	369	389	420	445
C92922	282	291	300	298	304	307	299	314	332	345
C92923	246	243	253	260	268	270	271	285	299	303
C92924	301	312	316	315	319	324	320	320	333	336
C92925	315	325	326	330	332	333	331	339	358	373
C92927	282	286	281	287	288	292	291	295	315	324
C92928	286	290	302	304	309	311	323	331	352	344
C92929	268	269	281	278	281	288	288	289	312	327
C92930	361	388	406	421	435	448	455	473	510	532
GROUP: FEMALE 2 - 0.5 PPM										
C92931	333	336	334	348	348	370	368	395	417	461
C92932	272	264	270	280	282	290	294	305	306	305
C92933	318	337	337	353	355	355	367	390	415	452
C92934	254	263	266	271	275	277	281	286	300	313
C92935	304	307	311	321	315	320	327	341	359	374
C92936	266	263	270	273	275	274	285	288	286	307
C92937	279	279	285	291	293	296	304	318	330	342
C92938	298	310	309	307	311	323	322	341	354	358
C92939	245	239	246	244	247	254	257	272	274	295
C92940	259	256	265	270	268	272	278	286	295	302
C92942	314	314	317	325	334	335	334	338	347	354
C92943	320	315	319	324	330	343	344	348	345	361
C92944	365	380	369	380						
C92946	259	249	260	267	259	264	268	274	292	301
C92947	300	302	305	311	300	307	306	324	326	342

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 21	WEEK 25	WEEK 29
GROUP: FEMALE 2 - 0.5 PPM										
C92948	322	327	329	338	327	337	340	360	373	387
C92949	388	383	395	415	421	438	437	449	461	485
C92951	258	250	243	256	264	271	265	276	274	273
C92952	269	278	276	283	291	294	298	315	326	336
C92953	262	264	261	270	272	273	273	286	288	294
C92954	281	277	285	288	292	293	294	301	305	308
C92955	297	308	309	319	312	324	329	343	378	397
C92956	317	324	326	332	324	337	341	357	374	384
C92957	267	272	272	274	282	288	284	297	307	323
C92958	245	241	248	255	251	254	262	272	283	288
C92959	313	313	319	332	333	336	341	337	358	363
C92960	304	301	314	316	323	326	325	331	361	375
C92961	366	376	386	399	408	418	419	432	461	473
C92962	261	263	269	274						
C92963	249	244	250	262	263	265	267	280	278	284
C92964	271	275	279	283	286	300	292	308	329	346
C92965	275	270	280	284	285	290	291	297	309	304
C92966	249	250	250	257	259	259	261	269	274	276
C92967	299	297	303	310						
C92968	317	313	318	328	337	343	340	353	370	390
C92970	334	325	336	347	354	355	359	361	381	387
C92971	246	249	249	248	260	251	257	259	263	268
C92972	287	279	287	297	297	304	312	332	335	350
C92973	259	263	259	271	282	286	287	288	313	329
C92974	253	261	265	267	269	277	283	290	294	296
C92975	271	277	280	288	287	291	295	305	313	331
C92976	326	326	331	333	341	347	341	350	371	393
C92977	295	295	301	313	317	322	323	330	348	349
C92978	349	347	363	366						
C92979	277	281	281	289	299	304	302	300	317	330
C92980	290	303	311	312	328	336	329	343	379	379

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 21	WEEK 25	WEEK 29
GROUP: FEMALE 2 - 0.5 PPM										
C92981	300	292	307	303	316	323	313	331	361	349
C92983	313	301	310	325	326	329	324	333	338	354
C92984	317	320	325	333	330	337	337	349	364	374
C92985	316	313	322	338	330	343	342	356	358	375
C92986	267	269	272	272	267	279	279	288	293	309
C92987	287	288	286	287						
C92988	281	283	280	283	298	309	303	318	331	353
C92989	273	278	279	284	290	290	288	311	326	339
C92990	282	285	287	283	292	299	296	296	303	325
GROUP: FEMALE 3 - 2 PPM										
C92991	250	250	259	261	265	267	273	278	284	305
C92992	265	272	272	273	275	286	282	301	318	331
C92993	289	292	291	302						
C92994	272	277	278	285	273	287	285	302	301	304
C92997	253	255	255	269	264	267	273	289	289	296
C92998	290	295	304	309	309	307	318	324	339	367
C92999	302	295	299	308	299	314	315	335	342	356
C93000	285	286	290	293						
C93001	256	261	268	271	274	280	279	298	316	347
C93002	267	259	263	280	277	276	288	302	307	317
C93003	305	300	315	324	327	333	337	329	343	361
C93004	273	274	283	287	288	298	294	310	321	326
C93005	257	255	265	275	282	291	289	313	316	341
C93007	267	264	273	277	272	275	280	291	303	320
C93009	265	275	288	289	294	290	300	301	333	320
C93010	277	280	289	295	292	301	308	314	318	338
C93011	294	299	299	309	311	311	323	321	337	341
C93012	316	321	325	328	330	337	347	365	376	397
C93013	240	246	250	256	261	263	269	273	281	285

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 21	WEEK 25	WEEK 29
GROUP: FEMALE 3 - 2 PPM										
C93014	317	308	325	325	328	336	331	359	354	381
C93015	301	295	306	307	311	316	318	324	335	340
C93016	228	213	231	239	235	242	246	249	268	268
C93017	269	272	277	292	304	308	308	314	328	349
C93018	286	290	296	299						
C93019	301	305	317	321	313	324	335	373	388	405
C93020	282	284	290	294	309	309	308	325	353	336
C93021	287	299	295	300	304	308	317	336	363	377
C93022	308	306	307	315	315	319	321	333	342	367
C93023	246	250	256	257						
C93024	274	279	289	294	287	297	302	305	314	320
C93025	324	323	339	359	360	379	354	389	353	411
C93026	279	279	283	291	285	287	289	294	299	313
C93027	276	273	279	285	296	298	297	299	311	315
C93028	272	276	273	276	282	295	291	299	311	321
C93029	249	257	255	264	267	268	273	278	285	298
C93030	269	265	283	293	288	291	301	310	322	342
C93032	271	264	279	283	281	289	297	315	326	339
C93033	277	279	279	294	303	309	319	332	352	374
C93034	290	291	289	301	303	303	305	303	317	325
C93035	292	292	297	304						
C93036	280	278	284	297	305	307	305	330	359	388
C93037	274	279	288	299	301	316	333	316	300	317
C93038	239	241	247	257	257	256	268	271	279	293
C93039	291	303	304	312	316	319	316	325	330	350
C93040	229	229	239	246	250	248	255	260	266	276
C93041	283	288	285	306	305	302	312	338	351	379
C93042	297	293	303	316	324	318	316	343	359	393
C93043	283	276	292	303	314	317	324	334	347	364
C93044	255	256	265	267	264	265	281	294	304	314
C93046	318	304	315	317	324	325	333	344	335	350

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 21	WEEK 25	WEEK 29
GROUP: FEMALE 3 - 2 PPM										
C93047	331	330	346	348	357	367	373	373	401	410
C93048	238	238	239	250	249	247	257	259	270	282
C93049	258	260	261	268	276	273	277	289	295	301
C93050	280	274	281	297	309	305	303	309	311	319
GROUP: FEMALE 4 - 5 PPM										
C93051	261	260	255	260						
C93052	279	279	284	286	302	297	308	316	335	340
C93053	260	274	272	283	290	285	305	319	361	381
C93054	260	258	263	264	271	267	284	287	293	303
C93055	288	286	293	303	306	307	307	318	332	346
C93056	284	276	279	291	294	298	299	302	313	332
C93057	254	254	259	270	275	279	283	274	296	309
C93059	280	278	283	293	292	297	299	300	315	337
C93060	275	285	294	299	302	307	310	304	320	318
C93061	281	281	279	290	300	300	306	322	354	379
C93062	265	262	267	275	278	287	280	291	296	311
C93063	272	274	272	288	285	298	299	302	308	324
C93064	252	255	257	266						
C93065	223	221	228	232	238	235	240	249	260	269
C93066	267	266	275	282	278	289	278	298	302	342
C93068	274	275	278	285	289	294	295	305	326	332
C93069	328	329	336	346	352	356	358	369	400	417
C93071	244	239	248	249						
C93072	272	272	278	283	288	293	289	308	314	333
C93073	278	273	279	288	295	303	302	310	315	321
C93074	298	298	304	313	314	316	322	345	368	391
C93076	279	290	296	296	297	299	303	319	336	356
C93077	296	299	305	315	314	319	321	339	364	379
C93078	270	266	268	278	275	283	279	296	305	311

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 21	WEEK 25	WEEK 29
GROUP: FEMALE 4 - 5 PPM										
C93079	305	291	307	308	320	332	323	345	349	368
C93080	264	269	281	282	292	292	294	298	306	320
C93081	259	254	267	271	271	276	280	285	304	306
C93082	294	292	294	304	302	306	318	319	350	378
C93083	284	279	280	285	298	300	303	307	326	336
C93085	269	277	285	290						
C93086	287	295	299	309	314	314	317	324	329	333
C93087	238	243	252	253	252	260	261	269	276	283
C93088	261	253	273	275	288	282	294	297	306	318
C93089	292	300	308	305	308	320	314	327	329	335
C93090	253	257	262	267	262	281	275	279	294	295
C93091	297	298	305	305	319	320	321	330	352	368
C93092	254	263	267	268	265	273	276	288	306	318
C93093	326	323	333	350	331	347	347	353	374	380
C93094	273	274	279	287	287	304	308	287	299	309
C93095	260	261	270	283	286	291	288	291	310	317
C93096	306	311	318	324	341	341	347	364	406	441
C93097	261	263	271	276	275	280	286	292	308	327
C93098	256	261	272	269	279	284	281	287	302	313
C93099	269	276	287	297	298	304	310	298	318	349
C93100	280	279	290	295	295	291	305	297	324	330
C93101	257	264	265	260	268	270	271	275	288	296
C93102	301	306	315	323	324	333	335	347	359	363
C93103	280	285	288	305	309	311	314	325	338	331
C93104	360	367	380	392	400	405	411	423	449	464
C93105	291	289	302	300	305	312	309	312	325	329
C93106	253	262	264	263	266	278	278	279	291	305
C93107	274	276	282	290	290	293	296	302	309	323
C93108	264	265	268	278	274	283	283	279	287	304
C93109	267	274	278	287						
C93110	364	386	403	425	438	446	459	479	496	538

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 21	WEEK 25	WEEK 29
GROUP: FEMALE 5 - 20 PPM										
C93111	311	300	305	312						
C93112	271	275	278	279	284	283	285	299	309	325
C93113	229	240	242	237	241	251	248	253	262	267
C93115	224	223	223	228	235	233	234	243	253	262
C93116	248	242	250	254	256	254	263	267	273	280
C93117	258	259	265	261	271	266	279	290	296	305
C93118	236	232	234	246	250	254	261	275	293	276
C93119	220	216	220	224	223	233	232	245	253	251
C93120	244	235	244	244	240	251	249	256	267	278
C93121	218	219	222	218	223	226	227	235	246	250
C93122	293	295	303	299	305	305	311	311	329	344
C93124	246	258	271	288	270	264	264	276	272	286
C93125	216	220	221	218	227	232	232	237	244	254
C93126	226	229	233	231	239	243	242	256	266	285
C93127	255	251	253	258						
C93128	250	249	258	266	268	266	272	276	289	295
C93129	248	265	256	266	271	259	271	306	282	287
C93130	268	274	281	281	290	289	292	298	317	319
C93131	278	277	284	291	287	293	302	309	320	327
C93132	258	268	264	268	269	277	274	298	315	332
C93133	238	242	245	241	250	249	253	262	275	267
C93134	281	286	291	285	287	296	297	311	318	328
C93135	273	269	273	275	275	284	288	297	275	289
C93136	248	243	259	265	262	269	280	275	292	301
C93137	240	236	245	242	249	252	255	264	271	284
C93138	269	261	271	271	275	280	290	292	304	308
C93139	224	226	232	238	236	240	245	262	264	272
C93140	271	275	276	282	285	298	307	324	343	367
C93141	290	286	286	292	294	298	300	316	324	341
C93143	291	277	287	293						
C93145	230	231	226	235	235	232	240	248	255	263

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 21	WEEK 25	WEEK 29
GROUP: FEMALE 5 - 20 PPM										
C93146	236	231	226	240	238	238	244	245	248	244
C93147	258	250	251	260	259	261	266	268	274	283
C93148	294	290	289	301	303	306	307	324	350	356
C93149	256	253	258	258	266	269	267	280	288	286
C93150	278	276	295	295	283	290	289	295	302	308
C93151	262	260	260	266	268	270	268	275	281	289
C93152	270	271	273	277	278	277	278	282	290	297
C93153	248	245	252	252	255	252	255	264	271	270
C93154	269	266	262	266	266	274	274	278	282	286
C93155	249	249	247	243						
C93156	245	243	244	250	248	250	255	259	266	277
C93157	256	259	264	265	263	266	270	273	279	289
C93158	269	271	272	278	275	274	281	292	298	314
C93160	308	299	306	318	324	330	330	334	346	366
C93161	268	273	275	287	278	290	290	294	306	326
C93162	287	278	280	275	280	277	291	298	312	318
C93163	244	247	248	252	253	261	258	260	274	288
C93164	245	244	239	244	247	248	255	256	262	271
C93165	255	250	255	260	261	262	261	277	281	292
C93166	310	302	313	316	315	318	326	325	358	347
C93167	284	272	288	296	288	305	302	318	349	359
C93168	248	243	239	247	253	245	256	266	271	279
C93169	247	248	249	257						
C93170	273	269	267	276	277	283	286	285	305	317
C93171	266	267	273	276	276	279	282	291	292	318
C93172	265	267	268	275	279	280	280	282	295	317
C93173	258	257	262	272	264	271	274	280	291	290
C93174	249	256	253	259	270	267	268	279	289	297
C93175	253	246	250	255	258	255	260	259	275	283
C93176	249	250	254	259	267	266	279	288	307	323
C93177	240	240	242	249	247	245	247	259	266	269

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 21	WEEK 25	WEEK 29
GROUP: FEMALE 5 - 20 PPM										
C93178	251	253	250	255	252	258	257	267	271	283
C93179	244	241	241	250	248	251	250	259	264	265
C93180	298	293	297	299	299	305	311	315	327	337
GROUP: FEMALE 6 - 20 PPM										
C93181	252	255	255	259	267	268	265	272	284	291
C93182	245	247	245	257	261	268	257	268	269	277
C93183	287	290	295	297	303	309	312	313	328	356
C93184	233	238	235	241	244	239	244	242	253	260
C93185	260	265	265	273	280	282	278	287	299	286
C93186	224	226	228	221	232	228	236	239	251	242
C93187	256	269	267	270	280	282	292	318	345	358
C93188	267	272	281	290	290	292	295	302	318	331
C93189	237	242	242	243	249	246	242	249	259	259
C93190	263	265	274	274	275	280	280	289	300	315
C93191	319	309	310	316	317	311	319	323	342	343
C93192	236	234	241	247	246	248	247	262	267	282
C93193	249	256	260	262	274	266	278	294	314	341
C93194	293	300	306	308	308	316	315	320	327	334
C93195	272	278	280	285	288	290	291	291	305	315
C93196	226	231	229	235	238	240	244	250	260	269
C93197	222	225	232	237	234	233	238	236	239	245
C93198	251	257	266	271	273	278	277	280	292	301
C93199	250	255	260	262	263	266	267	271	275	286
C93200	238	245	245	255	256	257	255	261	270	280
C93201	238	236	234	243	247	249	249	257	261	271
C93202	247	244	248	254	253	251	242	258	263	268
C93203	264	275	270	276	278	282	292	313	324	339
C93204	249	255	253	255	258	267	268	273	282	293
C93205	283	291	295	295	296	302	300	305	309	308

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 17	WEEK 21	WEEK 25	WEEK 29
GROUP: FEMALE 6 - 20 PPM										
C93206	230	232	239	241	239	250	245	263	272	289
C93207	234	233	243	247	247	249	256	261	269	277
C93208	240	244	250	256	256	260	265	264	274	277
C93209	247	247	249	254	254	257	260	262	275	285
C93210	268	266	271	285	281	287	293	295	310	319
C93211	234	232	238	238	243	248	248	241	244	251
C93212	272	285	282	280	284	286	292	300	315	326
C93213	253	265	259	269	268	272	272	278	288	303
C93214	240	246	248	253	254	261	267	269	285	295
C93215	263	268	275	276	275	282	282	289	301	315
C93216	249	252	261	263	260	264	270	273	295	313
C93217	291	297	304	306	313	316	312	323	340	344
C93218	233	237	239	246	246	252	247	259	268	278
C93219	301	302	293	309	310	309	313	312	327	341
C93220	278	284	299	303	308	314	315	334	344	359

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 33	WEEK 37	WEEK 41	WEEK 45	WEEK 49	WEEK 53	WEEK 57	WEEK 61	WEEK 65	WEEK 69
GROUP: MALE 1 - 0 PPM										
C92501	796	822	812	835	855	890				
C92502	578	593	596	603	617	631	646	647	653	668
C92503	655	674	695	713	729	673	700	759	766	780
C92504	591	607	621	633	673	690				
C92505	551	580	609	617	632	649	666	686	697	711
C92507	618	621	631	647	659	675				
C92508	589	607	600	613	617	651	669	683	680	680
C92510	660	685	688	716	711	713	731	726	735	746
C92512	635	662	676	691	693	684				
C92513	642	662	655	683	684	694	713	718	710	727
C92514	821	842	846	854	836	866	868	875	912	949
C92515	609	641	649	577	641	674	696	715	729	737
C92516	606	622	625	644						
C92517	821	854	870	897	922	938				
C92518	734	750	759	783	790	816	835	875	877	884
C92519	592	610	618	631	638	650	665	691	688	700
C92520	637	668	664	693	706	711	710	720	708	684
C92522	616	644	645	678	693	720	750	766	787	804
C92523	693	722	718	757	777	805				
C92525	695	727	741	764	776	795	812	679	550	506
C92527	674	697	706	731	757	767	779	772	803	819
C92530	675	693	700	715	734	739	731	758	765	775
C92531	648	671	662	670	665	671	669	659	665	
C92533	727	765	777	806	820	846	865	873	890	901
C92534	627	647	640	642	666	665				
C92535	671	698	690	617	692	729	750	766	794	811
C92536	681	701	703	738	746	774	792	805	837	815
C92537	857	891	905	937	961	966	984	1015	1024	1064
C92538	774	821	866	911	968	1008	1071	1109	1150	1192
C92539	795	822	816	835	846	884	901	924	941	950
C92540	719	755	779	807	827	855				
C92541	753	765	792	812	830	849	864	893	897	920

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 33	WEEK 37	WEEK 41	WEEK 45	WEEK 49	WEEK 53	WEEK 57	WEEK 61	WEEK 65	WEEK 69
GROUP: MALE 1 - 0 PPM										
C92542	615	632	645	664	687	705	704	730	729	749
C92543	620	634	632	651	669	685	697	703	711	724
C92544	632	618	629	615	629	642	643	656	629	662
C92545	678	715	736	746	795	824	846	869	888	911
C92547	739	754	758	770	794	794	805	814	826	837
C92548	664	688	708	735	757	769	775	791	790	783
C92549	544	555	567	588	614	622	631	652	619	667
C92550	757	780	803	832	870	889	904	914	937	947
C92551	576	593	610	619	638	645	664	673	683	716
C92552	712	731	738	769	799	826	843	850	871	895
C92553	384	401	372	377	390	371	366	353		
C92554	577	591	597	610	637	648	645	658	662	684
C92555	736	754	791	806	808	828	784			
C92556	693	717	710	739	770	767	672	499		
C92557	651	680	693	715	725	732	755	775	800	805
C92558	722	752	755	770	784	793	800	811	818	819
C92559	613	643	661	668	692	707	715	738	744	758
C92560	691	713	722	746	771	792	807	831	833	839
C92561	675	701	715	729	753	756	774	747		
C92562	641	656	665	681	711	703				
C92563	683	684	689	682	701	704	720	732	717	717
C92564	786	823	821	850	870	877	883	894	904	826
C92565	707	721	741	770	800	816	824	850	864	868
C92567	688	692	702	729	753	772	784	818	829	849
C92568	670	685	687	709	725	745	754	759	779	785
C92569	640	655	644	659	667	668	679	681	686	683
C92570	661	665	667	680	696	686				

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 33	WEEK 37	WEEK 41	WEEK 45	WEEK 49	WEEK 53	WEEK 57	WEEK 61	WEEK 65	WEEK 69
GROUP: MALE 2 - 0.5 PPM										
C92571	689	695	706	722	767	786	800	833	852	869
C92572	696	716	734	749	774	772	801	827	832	854
C92573	814	837	823	858	892	910	929	946	956	850
C92576	721	748	771	797	819	828	868	887	901	920
C92577	811	838	851	882	907	917	936	963	966	965
C92578	720	748	779	804	837	856	888	911	938	965
C92579	757	780	788	804	813	822	842	851	838	842
C92580	687	706	716	740	767	780	798	829	849	872
C92581	719	739	758	787	808	829	849	873	907	934
C92582	574	586	590	587	617	629	627	642	658	656
C92583	587	599	622	641	665	700	718	724	739	744
C92584	539	551	550	558	582	594	576			
C92585	697	575								
C92586	749	795	833	865	892	921	944	911	912	748
C92587	777	797	803	813	836	851	836	844	850	856
C92588	617	638	635	653	667	683	674	672	685	685
C92589	707	729	729	757	790	810	824	826	827	826
C92590	712	731	748	764	790	801	812	816	833	845
C92591	652	677	688	703	726	745	753	761	782	801
C92592	699	723	736	759	789	807	813	837	859	875
C92594	632	654	665	670	694	712	720	721	736	756
C92595	607	626	622	631	657	684	691	701	703	695
C92596	678	699	706	719	733	750	756	752	729	575
C92597	591	605	604	614	629	647	657	664	667	686
C92598	645	660	665	679	701	707	713	728	746	745
C92599	721	749	758	787	815	816				
C92601	639	661	674	700	726	736	756	758	768	789
C92602	533	563	563	565	600	602	599	599	600	604
C92604	739	768	795	820	843	867	877	913	942	950
C92605	765	787	812	824	854	848	863	867	887	886
C92606	671	696	714	733	758	766	768	769	764	757

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 33	WEEK 37	WEEK 41	WEEK 45	WEEK 49	WEEK 53	WEEK 57	WEEK 61	WEEK 65	WEEK 69
GROUP: MALE 2 - 0.5 PPM										
C92607	700	731	754	778	794	799	815	842	849	861
C92608	745	741	784	786	813	832	870	868	836	790
C92609	652	663	692	714	743	752	764	768	781	792
C92611	605	623	629	636	647	652	665	665	679	685
C92612	696	721	741	763	787	805	823	844	864	870
C92614	679	693	699	709	718	730	722	726	732	751
C92615	732	766	781	811	838	862	873	884	913	918
C92617	804	829	852	891	894	889	871	824	810	818
C92619	578	576	583	599	624	620	636	650	650	660
C92620	554	567	575	595	603	601	614	611	616	629
C92622	694	721	739	772	796	805	822	839	848	863
C92623	598	608	612	631	636	645	659	666	668	670
C92624	688	726	755	768	804	827	829	783		
C92625	777	804	826	843	874	886	887	901	900	891
C92626	655	632	653	661	697	703	710	721	696	736
C92628	694	705	698	738	768	698	758	628	557	513
C92629	776	805	834	871	906	924	918	922	919	869
C92630	694	719	731	742	755	757	764	750	747	733
GROUP: MALE 3 - 2 PPM										
C92631	600	625	632	653	670	674	679	698	705	718
C92632	801	837	857	869	888	901	914	901	861	848
C92633	670	697	715	740	766	785	787	797	817	835
C92634	617	646	655	688	715	733	737	770	787	791
C92635	681	696	714	739	755	764	757	780	766	775
C92636	666	689	705	734	743	771	792	823	827	841
C92637	551	560	574	595	614	625	629	661	676	691
C92638	877	917	931	955	988	998	1003	1020	1007	1002
C92639	664	696	706	721	743	755	770	783	798	792
C92641	667	689	726	735	723	726	749	717	732	729

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 33	WEEK 37	WEEK 41	WEEK 45	WEEK 49	WEEK 53	WEEK 57	WEEK 61	WEEK 65	WEEK 69
GROUP: MALE 3 - 2 PPM										
C92642	685	697	705	721	737	751	751	764	763	772
C92643	574	581	587	599	616	624	623	636	638	656
C92644	555	577	578	589	608	625	632	660	671	678
C92647	626	644	654	673	700	708	714	739	748	767
C92648	565	591	598	619	624	640	648	669	685	689
C92649	547	559	568	585	598	610	617	635	644	664
C92651	691	719	730	744	780	799	818	844	841	805
C92653	739	767	795	820	841	864	842	879	889	909
C92654	637	666	667	665	680	682	689	699	710	726
C92655	721	736	758	775	795	804	812	821	832	850
C92656	706	738	742	756	777	789	799	815	836	843
C92657	664	694	700	705	721	733	742	753	759	760
C92658	708	727	744	762	781	804	815	837	846	860
C92659	718	735	751	772	784	792	800	823	817	821
C92660	552	567	570	586	596	603	601	606	603	615
C92661	648	638	642	654	686	703	715	714	721	735
C92663	749	779	795	825	843	879	886	924	924	935
C92664	672	704	707	714	740	756	760	758	760	769
C92665	756	775	794	811	827	844	856	891	915	908
C92666	679	705	717	738	771	780	799	805	823	745
C92667	733	755	786	802	817	821	819	856	864	894
C92669	658	678	705	717	739	755	759	783	804	812
C92670	553	570	584	593	598	594	582	569	530	481
C92671	622	664	674	675	697	685	705	727	734	759
C92672	660	685	713	728	755	782	800	825	852	863
C92673	656	676	687	713	728	737	761	784	814	832
C92674	704	723	747	771	783	809	822	850	864	876
C92675	596	615	630	655	667	683	701	721	732	750
C92677	612	635	648	666	681	685	705	728	734	753
C92679	709	748	765	811	849	845				
C92680	704	720	731	736	760	778	795	802	799	646

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 33	WEEK 37	WEEK 41	WEEK 45	WEEK 49	WEEK 53	WEEK 57	WEEK 61	WEEK 65	WEEK 69
GROUP: MALE 3 - 2 PPM										
C92681	650	672	684	704	716	739	748	765	776	771
C92682	652	676	697	720	738	753	778	798	806	820
C92683	697	726	757	782	800	820	818	809	844	886
C92685	711	737	750	773	800	805	825	837	854	867
C92686	654	684	709	734	764	787	799	832	855	881
C92687	745	704	758	787	779	784	780	766	691	545
C92688	586	590	582	610	623	634	638	648	658	668
C92689	609	621	647	667	689	693				
C92690	795	817	835	863	895	916	934	961	986	1009
GROUP: MALE 4 - 5 PPM										
C92691	641	671	675	700	707	720	721	748	758	772
C92692	642	660	680	673	632					
C92693	654	674	679	704	721	733	731	754	770	777
C92694	675	700	720	739	758	778	778	801	807	838
C92695	611	629	648	664	675	686	690	692	708	720
C92696	598	616	618	651	678	684	685	703	728	728
C92697	626	645	657	676	703	709	721	743	643	
C92698	718	735	760	794	829	856	890	921	944	977
C92699	555	576	583	593	586	593	597	606	631	634
C92700	471	493	507	533	546	553	563	570	579	590
C92701	659	670	688	709	730	560				
C92702	590	607	619	633	643	655	671	686	699	701
C92703	684	711	739	760	785	811	804	686		
C92704	685	715	723	743	755	773	779	808	823	843
C92705	650	683	702	726	748	766	771	772	793	807
C92706	712	742	785	825	861	878	900	933	978	1001
C92707	582	594	608	630	638	649	658	675	692	703
C92708	574	596	611	637	655	668	663	682	698	709
C92709	593	596	604	628	655	669	665	681	685	675

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 33	WEEK 37	WEEK 41	WEEK 45	WEEK 49	WEEK 53	WEEK 57	WEEK 61	WEEK 65	WEEK 69
GROUP: MALE 4 - 5 PPM										
C92710	616	637	652	670	692	702	703	712	711	720
C92711	645	667	679	701	721	745	746	760	787	800
C92712	739	761	779	816	842	863	878	877	894	905
C92716	733	734	673	647	629	618	566	531	566	545
C92717	684	710	720	738	762	779	782	802	821	828
C92720	690	721	739	770	791	816	824	832	858	884
C92721	570	587	603	590	598	621	624	651	657	673
C92723	701	717	729	746	769	767	791	820	830	837
C92724	740	767	784	822	851	871	878	907	937	954
C92725	576	596	609	613	610					
C92726	596	611	623	647	666	679	687	695	717	723
C92727	667	700	714	747	780	796	790	813	845	845
C92729	785	812	850	879	903	917	937	960	888	790
C92730	649	677	674	690	714	740	747	769	778	797
C92732	647	689	707	738	755	773	774	796	812	820
C92733	567	582	612	628	644	656	666	682	690	695
C92735	652	676	685	704	717	732	741	759	772	770
C92736	663	700	719	737	769	788	793	821	835	854
C92737	653	686	698	715	728	753	767	788	798	805
C92738	599	624	633	649	659	665	682	695	714	733
C92739	562	568	585	598	613	625	630	657	670	682
C92740	651	661	668	681	697	714	731	746	750	769
C92741	636	650	663	682	697	718	711	725	738	745
C92742	789	813	834	844	862	886	889	906	904	922
C92743	780	829	859	883	905	931	965	984	1017	1026
C92745	820	867	904	941	967	1010	1029	1065	1104	1123
C92746	736	759	770	778	795	819	827	850	853	886
C92747	632	666	672	681	696	722	726	757	779	792
C92748	682	710	729	732	750	767	764	787	784	809
C92749	593	608	636	658	672	686	695	703	723	729
C92750	655	681	696	708	725	729	755	771	794	812

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 33	WEEK 37	WEEK 41	WEEK 45	WEEK 49	WEEK 53	WEEK 57	WEEK 61	WEEK 65	WEEK 69
GROUP: MALE 5 - 20 PPM										
C92751	710	722	764	791	818	843				
C92753	581	616	643	644	617	640	663	682	698	719
C92754	518	542	553	558	573	588				
C92755	620	651	671	689	699	732				
C92756	701	739	761	774	800	815	834	836	863	865
C92757	557	566	587	597	603	617	634	656	668	683
C92758	589	612	635	641	630	576	510	423		
C92760	604	628	648	663	685	707	730	754	765	713
C92761	532	552	572	578	594	604	617	603	619	641
C92762	597	629	649	678	712	727	760	789	799	816
C92763	830	886	919	962	992	1017	1044	1082	1080	1100
C92764	642	673	690	703	731	741	758	765	788	746
C92766	587	625	637	650	654	638	632	650	653	659
C92767	857	921	974	1026	1088	1114	1124	1196	1225	1246
C92768	669	706	722	731	766	777	789	791	808	817
C92769	665	670	696	706	724	743	764	780	799	815
C92770	687	724	758	783	826	846	877	904	923	916
C92771	673	716	734	756	770	799	824	859	876	905
C92772	620	648	665	666	684					
C92773	496	515	539	546	559	560	565	564	549	557
C92774	652	664	683	695	708	730	742	745	744	757
C92775	697	728	765	751	800	813	831	843	863	878
C92776	642	659	678	686	700	708	729	736	750	755
C92778	648	680	683	701	726	724				
C92780	525	550	561	583	596	619	631	640	640	654
C92781	587	607	626	639	660	671	682	705	718	708
C92782	613	645	681	708	735	755	766	802	831	862
C92783	701	745	769	796	813	846	878	910	926	938
C92784	615	644	677	698	729	749	778	784	806	814
C92785	582	611	630	646	663	678	702	719	731	752
C92786	630	663	684	696	716	726	752	769	785	790

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 33	WEEK 37	WEEK 41	WEEK 45	WEEK 49	WEEK 53	WEEK 57	WEEK 61	WEEK 65	WEEK 69
GROUP: MALE 5 - 20 PPM										
C92787	600	607	625	589						
C92788	625	648	661	683	697	715	720	745	771	776
C92790	597	611	625	638	655	667				
C92791	574	609	639	661	693	717	733	754	768	786
C92792	625	643	646	665	678	697	704	722	747	755
C92794	573	598	602	625	632	630	541			
C92795	621	640	664	679	702	710				
C92796	521	544	556	570	583	573				
C92797	610	635	662	680	691	694	711	725	737	754
C92800	572	594	586	586	610	625	635	662	664	665
C92801	767	818	846	855	880	910				
C92802	625	646	666	696	733	752	786	824	829	865
C92803	599	622	618	623	644	657	667	676	679	697
C92804	602	632	661	678	713	732	740	769	792	813
C92805	681	694	716	720	739	747	783	802	816	692
C92806	631	640	669	664	670	680	694	684	711	719
C92807	629	670	679	690	725	737	760	789	801	818
C92808	534	554	555	553	574	583	591	602	609	617
C92809	602	623	641	648	661	672	684	697	710	726
C92810	622	650	671	686	716	737	746	780	796	809
C92811	677									
C92813	612	637	651	679	698	722	741	747	769	778
C92814	456	471	470	478	495	512	517	535	541	540
C92815	522	535	538	545	557	573	590	604	609	616
C92816	569	584	593	605	625	630	649	665		
C92817	809	853	890	933	982	1008				
C92818	591	621	626	632	659	672	685	696	712	714
C92819	537	562	578	583	617	633	654	669	687	700
C92820	504	516	520	497	530	537				

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 33	WEEK 37	WEEK 41	WEEK 45	WEEK 49	WEEK 53	WEEK 57	WEEK 61	WEEK 65	WEEK 69
GROUP: MALE 6 - 20 PPM										
C92821	546	570	577	589	600	605	631	640	639	638
C92822	615	630	638	648	679	703	744	749	767	753
C92823	595	616	628	640	646	664	663	681	709	732
C92824	639	654	651	669	693	699	718	747	767	785
C92825	787	823	863	911	961	998	1036	1081	974	1038
C92826	600	630	641	655	683	703				
C92827	601	625	636	648	672	683	748	744	756	767
C92828	634	655	669	671	696	714	745	764	790	796
C92829	704	734	740	770	789	800	817	849	870	902
C92830	574	576	572	593	608	591	587	605	628	629
C92831	639	644	637	636	660	682	699	701	701	700
C92832	555	571	571	585	602	610	630	649	651	636
C92833	715	758	782	814	856	882	918	957	983	992
C92834	620	631	661	668	690	702	726	742	755	766
C92835	591	608	621	631	644	647	660	672	691	698
C92836	635	656	681	706	727	742	771	660	785	821
C92837	673	699	716	730	751	772	794	722	464	
C92838	613	628	646	660	685	697	717	745	644	
C92839	866	917	966	1003	1043	1059	1107	1103	1118	1140
C92840	557	586	598	610	631	648	667	670	696	705
C92841	530	569	582	594	613	624	652	680	716	
C92842	665	689	696	718	745	765	756	786	804	809
C92843	676	712	728	756	790	808	849	879	908	937
C92844	475	491	486	481	497	509	514	524	523	535
C92845	571	585	590	606	620	619	634	655	653	661
C92846	670	709	716	749	774	789	762	781	790	777
C92847	735	784	806	820	855	874	913	938	941	950
C92848	529	548	551	549	583	588	585	576	542	525
C92849	646	672	692	723	747	764	794	808	727	537
C92850	504	537	550	560	581	589	589	620	635	663
C92851	613	654	670	687	714	731	767	786	799	812

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 33	WEEK 37	WEEK 41	WEEK 45	WEEK 49	WEEK 53	WEEK 57	WEEK 61	WEEK 65	WEEK 69
GROUP: MALE 6 - 20 PPM										
C92852	557	582	593	613	641	650	680	685	691	
C92853	597	615	632	648	674	676	717	752	773	798
C92854	647	679	693	716	743	759	783	820	847	880
C92855	573	594	618	619	631	664	685	646	557	481
C92856	565	572	581	594	618	625	653	661	661	678
C92857	646	677	702	714	744	785	809	736	805	862
C92858	684	696	701	717	748	765	794	811	837	834
C92859	613	630	638	661	680	690	703	683	617	544
C92860	562	570	572	586	585	608	622	646	663	670
GROUP: FEMALE 1 - 0 PPM										
C92862	269	278	283	304	315	310				
C92863	369	369	396	389	400	434	452	474	482	498
C92865	361	381	397	408	421	428	444	461		
C92866	356	340	358	377	408	413	421	438	451	456
C92867	380	384	405	414	433	440	467	485	481	501
C92868	360	376	389	407	420	423	442	444	449	456
C92869	290	293	300	312	345	328	357	366	374	386
C92870	338	346	364	380	389	410	422	440	453	482
C92871	367	371	384	397	416	435	452	474	506	531
C92872	336	348	353	377	392	401	422	435	434	459
C92873	289	290	313	328	339	352	362	378	381	403
C92874	355	377	401	426	437	453	467	481	488	506
C92875	316	322	350	369	385	392	412	414	398	422
C92876	326	330	347	370	377	384				
C92877	357	382	393	417	433	438	454	481	492	493
C92878	308	311	328	349	363	374	401	401	419	441
C92879	399	424	441	462	475	483	485	512	511	537
C92881	361	374	388	414	424	431	447	459	467	467
C92882	288	300	311	341	353	367	375	398	413	418

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 33	WEEK 37	WEEK 41	WEEK 45	WEEK 49	WEEK 53	WEEK 57	WEEK 61	WEEK 65	WEEK 69
GROUP: FEMALE 1 - 0 PPM										
C92883	388	382	398	412	418	424	442	471	471	470
C92884	313	327	344	356	367	385	390	410	405	426
C92885	375	399	418	418	457	462	476	494	492	513
C92886	323	347	373	398	415	426	440	441	442	402
C92888	436	480	499	538	549	568	599	623	645	669
C92889	319	348	347	357	385	398				
C92890	377	385	395	417	436	463	473	493	500	515
C92891	318	331	337	349	358	358	370	380	382	393
C92892	442	479	504	538	577	580	591	641	652	668
C92893	290	295	304	312	315	323	332	339	336	350
C92894	323	326	342	352	358	363				
C92895	321	332	351	367	374	374	401	424	416	436
C92896	373	384	404	421	437	440	468	476	486	505
C92897	294	299	312	333	344	348	366	382	388	390
C92899	430	450	462	469	483	478				
C92900	368	396	423	443	466	488	520	533	554	577
C92901	333	353	359	375	386	392	421	423	432	444
C92902	514	531	571	607	628	648	680	704	726	763
C92904	290	278	307	334	344	321	347	386	401	417
C92906	317	327	338	348	359	362	385	383	397	404
C92907	335	372	348	353	359	358	372	389	407	414
C92908	377	408	445	465	485	507	535	551	560	573
C92909	327	355	354	369	387	384	397	418	422	431
C92910	349	359	377	403	412	420				
C92911	305	312	313	331	345	351	350	355	357	368
C92912	386	420	428	473	508	522	560	593	611	640
C92913	323	326	327	325	347	347	358	371	381	390
C92915	363	392	414	441	453	470	502	514	526	542
C92916	503	527	548	570	579	579	607	640	654	686
C92917	454	474	501	522	542	560				
C92918	344	364	380	399	423	426	457	485	492	476

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 33	WEEK 37	WEEK 41	WEEK 45	WEEK 49	WEEK 53	WEEK 57	WEEK 61	WEEK 65	WEEK 69
GROUP: FEMALE 1 - 0 PPM										
C92920	330	340	348	371	375	383	404	413	421	442
C92921	486	514	542	554	477	350	306			
C92922	370	398	426	462	477	487				
C92923	319	340	361	381	393	403				
C92924	347	365	372	396	417	422	449	472	478	485
C92925	395	417	432	464	487	492	524	543	572	596
C92927	334	338	354	366	372	371	387	394	391	401
C92928	356	387	425	456	477	491	525	546	569	594
C92929	360	347	364	391	347	304	294			
C92930	559	593	617	646	666	668				
GROUP: FEMALE 2 - 0.5 PPM										
C92931	499	519	564	596	607	640	667	715	755	758
C92932	330	316	267							
C92933	484	508	519	519	531	545	554	581	591	591
C92934	310	336	363	370	382	413	432	446	438	439
C92935	415	427	463	479	496	518	550	579	603	619
C92936	320	336	352	362	368	377	387	389	398	414
C92937	356	374	393	408	420	431	370	388	283	
C92938	364	397	408	431	463	493	522	552	584	615
C92939	300	321	339	351	360	374	389	378	379	410
C92940	306	310	326	347	354	372	398	399	429	437
C92942	360	370	389	427	438					
C92943	404	427	458	472	489	503	533	540	550	585
C92946	335	352	380	401	408	421	423	426	447	480
C92947	340	347	368	383	385	411	421	425	436	440
C92948	408	431	451	473	485	510	552	562	570	586
C92949	472									
C92951	282	290	323	327	317	325	356	372	387	401
C92952	344	363	386	398	411	415	429	438	357	

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 33	WEEK 37	WEEK 41	WEEK 45	WEEK 49	WEEK 53	WEEK 57	WEEK 61	WEEK 65	WEEK 69
GROUP: FEMALE 2 - 0.5 PPM										
C92953	301	305	337	328	343	344	360	368	375	379
C92954	321	340	356	373	389	402	415	436	456	479
C92955	422	443	475	485	492	507	544	569	588	607
C92956	408	418	443	466	489	502	529	537	555	572
C92957	337	360	355	389	395	406	434	438	460	461
C92958	304	320	340	354	366	376	385	401	408	432
C92959	371	389	392	431	437	440	465	418	473	455
C92960	395	414	423	459	473	481	501	509	533	548
C92961	504	532	557	580	591	613	645	667	677	710
C92963	315	327	335	345	354	376	364	392	390	401
C92964	362	371	387	398	412	418	418	442	454	479
C92965	327	328	343	364	378	393	419	436	458	470
C92966	281	287	293	302	304	305	315	330	340	329
C92968	400	445	464	431	408	402	405	411	399	
C92970	408	427	442	470	488	516	530	554	569	594
C92971	266	276	277	286	294	297	302	313	324	337
C92972	362	372	391	400	417	419	445	445	444	485
C92973	348	383	400	440	466	487	508	532	544	556
C92974	300	326	344	352	356	365	390	395	401	425
C92975	333	352	374	385	389	402	413	420	421	431
C92976	411	431	450	481	497	525	546	540	528	561
C92977	360	382	416	428	449	455	481	488	497	519
C92979	334	353	377	392	407	409	436	454	461	473
C92980	373	412	425	458	453	466	432	426		
C92981	381	372	394	426	431	437	460	474	486	411
C92983	366	373	386	406	414	419	445	450	470	483
C92984	384	389	410	433	447	453	474	477	497	507
C92985	421	400	434	465	480	477	499	540	554	598
C92986	310	318	326	341	347	348	362	368	375	395
C92988	359	374	404	422	447	445	463	478	494	518
C92989	353	361	377	398	409	390	397	419	430	431

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 33	WEEK 37	WEEK 41	WEEK 45	WEEK 49	WEEK 53	WEEK 57	WEEK 61	WEEK 65	WEEK 69
GROUP: FEMALE 2 - 0.5 PPM										
C92990	338	367	386	407	428	436	450	475	497	511
GROUP: FEMALE 3 - 2 PPM										
C92991	320	338	337	357	355	383	395	421	428	466
C92992	348	361	385	410	420	439	474	460	480	497
C92994	315	325	336	336	349	364	379	371	375	391
C92997	302	307	313	323	329	326	342	348	356	369
C92998	383	391	299	216						
C92999	377	388	415	434	449	458	470	483	493	528
C93001	363	383	393	402	415	422	450	455	460	480
C93002	336	343	365	384	390	405	427	441	454	496
C93003	383	390	415	434	432	447	462	478	475	494
C93004	343	365	392	422	441	450	485	504	521	471
C93005	364	364	378	381	396	401	436	439	436	466
C93007	323	339	345	368	383	389	415	435	441	454
C93009	365	372	402	396	413	431	445	457	461	472
C93010	377	392	414	422	431	444	481	492	510	527
C93011	356	382	402	417	432	452	469	490	509	518
C93012	407	416	439	458	462	488	503	513	512	540
C93013	308	319	334	353	368	382	412	437	457	478
C93014	410	430	453	482	505	528	568	604	628	590
C93015	357	365	363	393	400	407	426	449	431	431
C93016	289	302	304	326	337	334	350	369	324	326
C93017	367	373	388	408	423	440	463	483	479	502
C93019	425	458	475	298						
C93020	355	392	410	405	442	452	493	511	402	
C93021	392	402	429	453	477	476	413	338		
C93022	403	405	439	452	472	478	509	546	575	595
C93024	330	350	367	394	403	427	444	475	483	491
C93025	386	428	434	457	452	476	505	545	562	576

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 33	WEEK 37	WEEK 41	WEEK 45	WEEK 49	WEEK 53	WEEK 57	WEEK 61	WEEK 65	WEEK 69
GROUP: FEMALE 3 - 2 PPM										
C93026	320	331	350	356	363	364	382	393	391	405
C93027	329	340	354	367	384	384	414	435	462	476
C93028	351	350	366	383	391	405	411	436	447	463
C93029	310	320	328	336	346	355	364	383	394	410
C93030	382	410	421	447	468	486	510	516	536	557
C93032	361	384	400	415	433	443	460	493	513	519
C93033	384	395	398	376	371	339	307	308	289	
C93034	341	342	355	357	365	380	389	412	416	419
C93036	393	428	450	478	505	525	549	575	615	649
C93037	326	354	368	402	429	459	463	486	445	
C93038	305	312	334	349	363	386	401	425	471	534
C93039	379	386	408	440	459	478	510	524	540	558
C93040	285	291	298	313	323	328	333	347	347	364
C93041	399	416	435	458	461	484	489	507	521	524
C93042	427	453	478	521	546	567	597	638	659	647
C93043	388	400	414	431	455	473	496	523	536	556
C93044	312	328	337	358	370	391	412	387	339	
C93046	360	381	383	397	404	423	444	464	466	482
C93047	480	481	522	563	571	601	650	670	697	739
C93048	291	302	306	324	324	329	346	376	379	396
C93049	325	341	361	371	388	387	412	431	392	314
C93050	335	344	364	393	407	422	451	467	474	497
GROUP: FEMALE 4 - 5 PPM										
C93052	357	370	404	417	444	467	492	513	484	433
C93053	398	414	431	453	474	495	508	466	350	
C93054	313	325	346	360	382	386	415	415	390	392
C93055	395	387	409	442	479	508	532	550	585	609
C93056	351	358	367	380	386	392	413	424	443	461
C93057	321	323	341	351	361	368	383	399	400	418

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 33	WEEK 37	WEEK 41	WEEK 45	WEEK 49	WEEK 53	WEEK 57	WEEK 61	WEEK 65	WEEK 69
GROUP: FEMALE 4 - 5 PPM										
C93059	342	370	372	392	407	413	438	461	473	489
C93060	332	332	350	376	374	391	415	439	424	466
C93061	404	410	427	453	470	493	522	528	534	555
C93062	313	328	337	349	356	365	378	393	393	406
C93063	333	349	358	377	388	397	408	422	412	435
C93065	274	289	298	308	319	333	350	366	371	375
C93066	365	367	391	404	419	443	454	484	463	463
C93068	338	351	365	377	385	396	420	424	419	435
C93069	426	432	434	456	463	484	503	511	522	534
C93072	373	373	382	401	418	416	434	444	454	464
C93073	331	340	338	349	371	405	422	442	431	393
C93074	416	432	453	410	472	506	553	578	586	607
C93076	359	386	401	429	430	428	470	495	504	557
C93077	387	398	413	434	440	450	427	445	444	483
C93078	327	340	350	361	368	381	423	441	441	465
C93079	370	385	393	440	445	486	515	526	540	578
C93080	344	352	365	380	390	408	424	427	433	445
C93081	319	328	341	350	367	391	428	436	429	458
C93082	400	404	412	429	436	437	446	463	466	489
C93083	340	353	368	387	397	427	442	454	462	493
C93086	348	354	369	382	387	408	436	446	466	487
C93087	295	303	294	323	327	335	360	372	369	388
C93088	342	342	349	360	369	387	404	412	412	376
C93089	330	339	356	363	372	380	396	407	397	419
C93090	301	302	314	344	341	356	372	399	408	421
C93091	368	390	400	420	432	449	472	501	516	549
C93092	326	337	347	356	358	367	393	406	397	429
C93093	389	409	432	445	463	473	492	521	512	510
C93094	330	354	368	379	391	410	435	455	475	488
C93095	322	333	340	345	353	366	374	389	393	421
C93097	338	344	356	361	378	395	394	407	412	437

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 33	WEEK 37	WEEK 41	WEEK 45	WEEK 49	WEEK 53	WEEK 57	WEEK 61	WEEK 65	WEEK 69
GROUP: FEMALE 4 - 5 PPM										
C93098	324	364	357	365	388	382	409	434	443	447
C93099	379	400	414	439	453	478	506	542	542	549
C93100	339	341	366	391	411	418	444	476	470	485
C93101	310	321	332	351	373	376	399	418	424	422
C93102	378	390	404	428	439	451	476	488	484	503
C93103	352	396	424	439	474	476	495	512	540	558
C93104	481	504	498	532	536	535	562	574	549	522
C93105	332	352	362	384	391	405	438	449	449	471
C93106	316	327	344	378	369	374	399	437	442	467
C93107	333	336	342	354	357	364	371	367	373	395
C93108	311	317	321	332	348					
C93110	542	542	573	582	611	614	638	641	643	665
GROUP: FEMALE 5 - 20 PPM										
C93112	342	350	353	362	362	372				
C93113	288	290	312	321	330	344	359	371	372	385
C93115	266	284	306	322	335	344	377	388	403	430
C93116	289	296	302	307	320	317				
C93117	348	362	387	400	413	422				
C93118	307	308	304	318	332	329	336	332	317	358
C93119	263	271	288	296	306	321	331	334	271	297
C93120	277	285	300	309	317	314				
C93121	255	259	264	267	277	275	284	286	291	303
C93122	391	402	420	438	468	473	493	501	506	541
C93124	294	291	296	307	315	321	332	340	343	349
C93125	258	264	277	280	283	281	294	306	297	312
C93126	297	304	314	326	345	346	294			
C93128	306	301	317	327	332	333	345	349	354	372
C93129	301	311	311	325	340	335	356	365	368	392
C93130	345	343	372	373	401	418				

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 33	WEEK 37	WEEK 41	WEEK 45	WEEK 49	WEEK 53	WEEK 57	WEEK 61	WEEK 65	WEEK 69
GROUP: FEMALE 5 - 20 PPM										
C93131	341	353	366	383	399	413	435	446	463	479
C93132	341	359	364	383	399	382	399	403	415	427
C93133	291	288	333	339	338	316	362	354	376	389
C93134	329	345	353	365	379	411	447	469	543	
C93135	317	321	330	354	351	351	379	387	397	414
C93136	319	325	336	349	353	363				
C93137	290	294	304	310	346	347	365	389	399	428
C93138	315	327	335	345	359	387				
C93139	274	281	297	311	316	315	332	344	346	361
C93140	385	413	436	455	486	493	509	519	525	534
C93141	342	360	373	387	403	416	432	435	458	479
C93145	274	280	280	295	310	309	322	338	332	332
C93146	263	261	271	277	280	282	299	302	297	312
C93147	287	291	293	309	309	315				
C93148	353	359	366	362	386	393	410	419	420	445
C93149	305	313	319	346	366	369	386	401	404	429
C93150	318	321	322	328	358	356	369	372	380	386
C93151	294	312	310	316	314	319	327	330	329	340
C93152	305	314	316	328	332	342	348	329	270	
C93153	278	283	297	307	321	335	351	358	368	387
C93154	294	323	332	339	349	342				
C93156	292	303	305	320	325	320	335	335	340	351
C93157	294	309	324	351	347	366	390	404	405	421
C93158	322	321	333	340	355	379	392	403	405	431
C93160	392	419	441	471	487	481	502	507	531	529
C93161	329	367	354	386	402	433	453	473	502	509
C93162	326	338	339	339	357	370	376	381	380	390
C93163	292	303	314	323	333	341				
C93164	281	288	289	296	306	318	328	335	339	358
C93165	305	316	321	336	342	348	360	375	379	388
C93166	355	356	380	373	388	409	420	430	451	453

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 33	WEEK 37	WEEK 41	WEEK 45	WEEK 49	WEEK 53	WEEK 57	WEEK 61	WEEK 65	WEEK 69
GROUP: FEMALE 5 - 20 PPM										
C93167	370	379								
C93168	287	287	305	302	310	333	348	354	373	380
C93170	326	338	343	359	369	380	395	403	405	415
C93171	329	342	351	362	370	384				
C93172	328	334	341	354	372	370	388	391	406	407
C93173	302	308	318	335	341	348	367	371	373	387
C93174	326	332	338	346	383	396	388	415	424	430
C93175	282	289	289	299	296	302	306	309	307	316
C93176	335	350	357	372	380	396	417	416	427	440
C93177	275	277	278	290	295	296	296	304	310	309
C93178	292	306	304	313	326	334	344	349	355	359
C93179	275	277	285	292	299	295	303	312	315	320
C93180	346	358	371	383	399	403	430	512		
GROUP: FEMALE 6 - 20 PPM										
C93181	304	308	313	315	331	354	359	361	377	388
C93182	282	287	288	299	308	317	345	360	379	398
C93183	356	386	382	387	419	437	456	491	500	528
C93184	267	267	282	289	301	306	334	354	364	397
C93185	317	328	323	326	341	351	360	382	408	436
C93186	268	283	291	306	324	345	384	415	420	444
C93187	376	378	395	404	417	432	457	477	500	521
C93188	347	365	373	409	422	444	486	521	564	594
C93189	263	252	258	275	302	314	322	348	352	355
C93190	328	340	351	368	366	375	408	435	458	480
C93191	358	390	387	416	425	434	465	487	504	529
C93192	294	285	297	308	324	320	333	374	388	405
C93193	372	387	420	454	481	497	531	560	606	631
C93194	339	353	363	370	372	384	405	420	422	445
C93195	325	337	347	369	384	390	428	456	481	501

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 33	WEEK 37	WEEK 41	WEEK 45	WEEK 49	WEEK 53	WEEK 57	WEEK 61	WEEK 65	WEEK 69
GROUP: FEMALE 6 - 20 PPM										
C93196	281	286	290	312	307	322	348	378	390	405
C93197	244	243	265	264	272	271	275	286	285	305
C93198	323	336	350	371	388	397	430	456	470	489
C93199	302	316	324	328	335	341	371	383	316	
C93200	280	302	304	318	315	324	348	364	371	392
C93201	275	282	283	295	296	299	320	336	335	352
C93202	275	283	285	287	291	292	311	346	333	349
C93203	346	359	372	392	401	412	467	489	493	519
C93204	297	305	318	329	348	360	393	408	419	439
C93205	317	318	330	338	342	348	354	384	399	407
C93206	309	306	319	329	342	342	382	409	447	479
C93207	280	289	206							
C93208	286	311	312	339	350	359	396	433	474	515
C93209	294	295	303	320	334	344	379	412	451	489
C93210	348	364	380	397	419	443	452	504	529	569
C93211	252	260	267	264	274	272	276	298	311	340
C93212	331	358	376	403	420	424	471	521	517	560
C93213	308	310	323	321	313	332	361	382	369	389
C93214	301	316	327	343	355	366	405	429	444	479
C93215	316	324	331	348	354	368	414	447	468	491
C93216	326	341	355	370	375	388	421	439	468	495
C93217	356	367	381	377	388	382	404	427	445	477
C93218	285	294	304	318	326	339	366	376	400	417
C93219	360	349	373	392	393	399	435	482	504	540
C93220	398	385	409	440	436	441	478	496	512	536

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 73	WEEK 77	WEEK 81	WEEK 85	WEEK 89	WEEK 93	WEEK 97	WEEK 101	WEEK 105
GROUP: MALE 1 - 0 PPM									
C92502	640	497							
C92503	771	759	728	687	612	581	532	478	445
C92505	729	742	744	756	745	751	746	707	679
C92508	659	498							
C92510	757	764	774	781	780	795	807	806	808
C92513	743	746	755	765	757	769	789	786	789
C92514	962	972	986	1005	970	953	1015	1056	1070
C92515	749	740	751	764	765	779	781		
C92518	891	902	922	928	920	945	814	856	892
C92519	720	739							
C92520	644	603	565						
C92522	818	828	825	838	824	800	723		
C92527	841	842	709						
C92530	790	692							
C92533	928	940	947	904					
C92535	823	827	840	843	842	846			
C92536	832	842							
C92537	1063	1077	1096	1111	1100	1101			
C92538	1155								
C92539	951	939	944	918	839	780	596		
C92541	941	958	971	989	981	1018	1000	899	760
C92542	754	766	772	794	798	817	835	832	821
C92543	733	745	747	770	772	785	802		
C92544	660	672	672	675	680	675	620	604	583
C92545	935	942	952	998	1015	1008			
C92547	850	857	836	790					
C92548	758	676	570						
C92549	680	694							
C92550	954	979	987	1001	996	1010	1018	992	
C92551	743	742	743	755	749	772	765	756	719
C92552	903	902	903	885	829	766	689	553	
C92554	697	708	717	735	742	752	736	690	

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 73	WEEK 77	WEEK 81	WEEK 85	WEEK 89	WEEK 93	WEEK 97	WEEK 101	WEEK 105
GROUP: MALE 1 - 0 PPM									
C92557	818	817	783	671	459				
C92558	793	661							
C92559	769	770							
C92560	867	774							
C92563	745	743	702						
C92565	853	857	853	861	838				
C92567	855	854	861	848	826				
C92568	806	802	790	799	790	760	722	651	
C92569	683	681	682	685	668	688	676	658	644
GROUP: MALE 2 - 0.5 PPM									
C92571	859	877	910	953	972	1007	926	662	
C92572	863	854	858	830	826	792	724	514	
C92573	854	818	752						
C92576	948	946	982	936	945	928	803		
C92577	974	967	982	943	952	977	951	938	934
C92578	973	964	932	776					
C92579	820	759	698	557					
C92580	808	632							
C92581	972	973	947	954	907	833	688	593	364
C92582	675	676	693	701	714	744	731	586	
C92583	754	749	766	737	740	735	729	686	624
C92586	529								
C92587	840	823	816	652					
C92588	685	678	674	665	668	670	631	528	
C92589	831	813	782	726	693	632	517		
C92590	843	839	836	859	868	876	877	897	887
C92591	811	803	808	822	827	830			
C92592	890	883	879	895					
C92594	765	764	760	770	798	806			

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 73	WEEK 77	WEEK 81	WEEK 85	WEEK 89	WEEK 93	WEEK 97	WEEK 101	WEEK 105
GROUP: MALE 2 - 0.5 PPM									
C92595	713	663	597						
C92597	703	692	695	708	694	708	701	710	698
C92598	760	764	770	782	783	787	801	796	781
C92601	802	815	829	839	835	857	859	864	853
C92602	613	593	605	608	620	641	658	662	668
C92604	924	822	716	604	472				
C92605	907	894	874	872	871	845	778	678	
C92606	777	764							
C92607	868	857	820	663	520				
C92608	655	469							
C92609	799	781	792	809	824	832	843	823	
C92611	688	696	722	805					
C92612	815	606							
C92614	758	746	741	739	740				
C92615	933	921	907	865	721				
C92617	881	744	561						
C92619	679	672	677	685	692	717	711	726	732
C92620	610	615	590	613	617	569			
C92622	891	910	901						
C92623	686	686	698	713	717	735	739	744	741
C92625	867	776	687						
C92626	736	751	718	735	746	768	788	788	788
C92628	465								
C92629	788	638							
C92630	729	715	656	561					
GROUP: MALE 3 - 2 PPM									
C92631	725	729	742	754	765	786	807	804	808
C92632	846	842	815	792	778	778	772	758	
C92633	841	840	846	847	829	859	869	853	871

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 73	WEEK 77	WEEK 81	WEEK 85	WEEK 89	WEEK 93	WEEK 97	WEEK 101	WEEK 105
GROUP: MALE 3 - 2 PPM									
C92634	825	828	841	862					
C92635	756	605							
C92636	875	870	894	908	928	937	937		
C92637	702	707	718	726	729	711	673	605	536
C92638	980	917	849	702	575				
C92639	725	582	628	489					
C92641	740	727	731	743	708	717	712	748	665
C92642	789	783	780	784	786	798	814	829	831
C92643	670	666	666	680	681	688	695	720	741
C92644	705	696	703	692	712	738	744	748	702
C92647	780	768							
C92648	706	675	630	524					
C92649	685	682	689	697	701	726	711	724	729
C92651	702	572	380						
C92653	927	932	945	957	962	965	968	953	823
C92654	743	652							
C92655	871	858	845	844	824	710			
C92656	857	844	829	813	751	616	461		
C92657	782	774	782	792	787	804	806	833	820
C92658	868	865	878	867	888	844			
C92659	835	802	777	769	767	779	795	737	748
C92660	622	623	614	640	662	644	663	667	703
C92661	725	684	614	422	429				
C92663	940	955	966	983	975	994			
C92664	744	608							
C92665	936	934	928	888					
C92666	645								
C92667	895	670							
C92669	843	832	838	854	875	889	918	923	858
C92670	422								
C92671	776	772	762	803	812	790			

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 73	WEEK 77	WEEK 81	WEEK 85	WEEK 89	WEEK 93	WEEK 97	WEEK 101	WEEK 105
GROUP: MALE 3 - 2 PPM									
C92672	893	903	912	917	911	903			
C92673	849	853	862	885	877	845			
C92674	890	900	919	933	934	950	960	982	968
C92675	758	771	762	766	762	751	699	564	
C92677	759	752	737	736	760	767	760		
C92680	558	555	524						
C92681	769	728	669	583					
C92682	842	840	845	846	868	913	923	941	931
C92683	913	923	939	947	953	998	992	1002	947
C92685	827	725							
C92686	906	922	856						
C92688	627	597	631	629	620	516	413		
C92690	1042	1035	1027	1025	1047	1043	1052	1076	1073
GROUP: MALE 4 - 5 PPM									
C92691	785	771	766	755	763	769	771	771	768
C92693	783	773	775	771	793	820	811	750	751
C92694	867	867	876	893	916	936	960	975	968
C92695	727	720	725	725	739	763	772	779	767
C92696	744	729	742	750	778	804	815	824	824
C92698	1006	1021	1016	1015	1041	1077	1091	1060	797
C92699	631	626	635	648	673	680	657	678	674
C92700	604	591	598	603	616	629	637	624	568
C92702	729	745	760	774	801	809	814	751	635
C92704	853	841	848	854	874	905	908	916	903
C92705	824	827	828	832	847	867	866	878	899
C92706	1021	1015	973	931	931	943	888		
C92707	719	719	717	729	592				
C92708	704	697	707	707	729	765	782	775	755
C92709	649	606	573	502	467				

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 73	WEEK 77	WEEK 81	WEEK 85	WEEK 89	WEEK 93	WEEK 97	WEEK 101	WEEK 105
GROUP: MALE 4 - 5 PPM									
C92711	804	800	809	819	727				
C92712	921	877	768	611					
C92716	548	503	506	503	519	498	517	481	495
C92717	828	831	823	831	831	832	760	698	649
C92720	886	908	1019						
C92721	695	702							
C92723	861	855							
C92724	958	953	946	950	958	974	1004	995	997
C92726	733	735	729	730	751	762	690	739	776
C92727	843	843	815	810	776				
C92729	698	631							
C92730	814	810	813	834	837	838	780	700	588
C92732	834	825	821						
C92733	712	693	683	569	418				
C92735	791	796	796	811	816	834	829	826	829
C92736	862	865	873	876	888	880	872	901	897
C92737	822	825	837	824	708				
C92738	744	733	718	673	649				
C92739	686	693	695	712	734	754	770	781	779
C92740	780	739	771	780	808	827	839	876	887
C92741	744	757	738	704	540				
C92742	924	938	941	926	919	950	958	963	931
C92743	1046	1075	1089						
C92745	1102	1120	1040	872	703				
C92746	886	895							
C92747	811	803	815	827	750	778	785	761	748
C92748	811	817	813	818	821	830	758	715	620
C92749	744	750	745	759	781	796	818	818	
C92750	826	819	823	833	838	843	838	819	702

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 73	WEEK 77	WEEK 81	WEEK 85	WEEK 89	WEEK 93	WEEK 97	WEEK 101	WEEK 105
GROUP: MALE 5 - 20 PPM									
C92753	736	744	754	771	807	824	843	810	776
C92756	898	901	893	770					
C92757	702	721	723	753	765	753	742	701	608
C92760	551								
C92761	649	638	643	612	589	579	574	576	564
C92762	832	822	803	786	801	807	791	736	677
C92763	1121	1113	1118	1140	1120	932			
C92764	594								
C92766	663	650	663	673	652	673	664	655	
C92767	1269	1200	1168	1178	1223	1201	1100		
C92768	827	831	838	852	849	926			
C92769	832	824	828	833	798	788	777	705	
C92770	937	929	845	886	890	908	905	689	
C92771	932	929	763						
C92773	559	558	579	565	555	567	569	580	597
C92774	778	778	784	786	808	811	810	821	797
C92775	901	909	910	916	931	920	886	820	673
C92776	768	763	744	754	757	767	778	788	785
C92780	672	669	671	690	697	689	667	611	543
C92781	517	379							
C92782	893	911	926	956	976	984	1013	1026	1017
C92783	945	861							
C92784	844	745							
C92785	780	784	792	809	811	819	755		
C92786	808	806	809	814	835	840	852	864	872
C92788	792	803	799	828	836	852	874	892	889
C92791	797	795	803	820	825	837	845	850	859
C92792	787	781	775	795	788	798	765	751	714
C92797	779	778	774	778	828	965			
C92800	682	682	677	683	696	689	688	678	638
C92802	897	904	907	933	939	938	981	1014	988

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 73	WEEK 77	WEEK 81	WEEK 85	WEEK 89	WEEK 93	WEEK 97	WEEK 101	WEEK 105
GROUP: MALE 5 - 20 PPM									
C92803	704	704	702	705	706	720	724	734	753
C92804	836	848	841	878	886	892	888	938	951
C92806	728	763	763	776	785	776	720		
C92807	849	864	809	702					
C92808	626	625	630	632	644	646	635	652	643
C92809	738	759	769	785	798	839	885	901	872
C92810	836	855	847	865	785	667	422		
C92813	797	818	788	789	751	740	615		
C92814	556	551	567	567	571	588	591	609	621
C92815	643	645	654	686	690	705	713	770	769
C92818	733	726	730	733	731	750	752	716	755
C92819	712	721	722	735	745	775	787	769	
GROUP: MALE 6 - 20 PPM									
C92821	693	718	743	775	788	806	800	799	821
C92822	715	613	496						
C92823	758	761	790	792	822	822	850	847	835
C92824	751	613	721	611	651	625			
C92825	1119	1112	1068	1048	994	954			
C92827	784	778	796	809	813	834	841	849	820
C92828	829	832	840						
C92829	923	925	912	847	793	856	902	892	765
C92830	638	604	564	534	489	463	448		
C92831	735	712	724	622					
C92833	1028	1042	1039	1044	1019	917	920	786	836
C92834	782	778	767	760	751	757	754	719	696
C92835	687								
C92836	860	850	874	869	877				
C92839	1116	1083	1091	1023	904				
C92840	727	717	725	735	747	773	784	676	

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 73	WEEK 77	WEEK 81	WEEK 85	WEEK 89	WEEK 93	WEEK 97	WEEK 101	WEEK 105
GROUP: MALE 6 - 20 PPM									
C92842	852	851	855	847	827				
C92843	978	979							
C92844	553	564	542						
C92845	684	679	686	680	687	704			
C92846	780	768	756	747	656	701	662	618	
C92847	978	978	958	946	923	809	644		
C92848	502	503	510	466	475	481	463	471	379
C92850	686	705	733	740	738	738	671	654	511
C92851	832	844	852	850	823	828	819	815	827
C92853	824	845	860	874	870	899	907	863	770
C92854	916	930	943	956	915	967	968	925	
C92856	682	677	675	675	587	652	663	648	650
C92857	870	868	716						
C92858	865	877	879	898	879	764	534		
C92860	697	708	728	733	730	751	639		
GROUP: FEMALE 1 - 0 PPM									
C92863	505	500	497						
C92866	466	471	488	500	506	518	510	467	386
C92867	513	531	552	567	592	597	603	611	621
C92868	469	474	486	495	521	535	552	580	580
C92869	400	404	423	433	452	450	454	462	471
C92870	505	524	536	571	590	570	535	493	
C92871	561	568	600	626	642	672	687	696	673
C92872	458	480	498	495	512				
C92873	410	415	443	447	458	459	474	487	470
C92874	525	540	541	568	593	610	608	628	578
C92875	440	370							
C92877	507	503	510	519	533	524	533	531	519
C92878	457	461	520						

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 73	WEEK 77	WEEK 81	WEEK 85	WEEK 89	WEEK 93	WEEK 97	WEEK 101	WEEK 105
GROUP: FEMALE 1 - 0 PPM									
C92879	511	511	433	376	361	312			
C92881	490	473	479	498	499	497	511	517	522
C92882	458	464	479	482	507	496	480	484	469
C92883	486	493	502	470					
C92884	429	416	406	367	361	381			
C92885	521	529	535	548	558	555	536	524	489
C92886	396	443	681						
C92888	683	676							
C92890	527	545	553	549	546	541	555	560	540
C92891	401	396	380	353					
C92892	678	703	721	749	744	765	759	759	726
C92893	368	372	380	408					
C92895	442	451	459	458	462	475	477	485	497
C92896	527	517	533	530	548	547	557	556	563
C92897	384	400	435	424	460	474	463	400	322
C92901	447	342							
C92902	805	817	815	807					
C92904	428	432	448	468	476	469	477	479	
C92906	399	415	415	415	422	410	401	418	371
C92907	420	427	445	459	476	493	492	487	497
C92908	578	587	601	599	508	368			
C92909	435	444	442	451	444	459	458	466	482
C92911	380	381	384	373	385	368	381	395	385
C92912	658	677	696	693	715	713	739	749	735
C92913	405	406	419	425	440	454	461	467	438
C92915	539	547	552	563	560	422			
C92916	705	708	678	684	569	479			
C92918	376								
C92924	499	497	491	483					
C92925	598	613	633	645	608	558	476	593	599
C92927	415	419	420	429	448	440	440	441	455

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 73	WEEK 77	WEEK 81	WEEK 85	WEEK 89	WEEK 93	WEEK 97	WEEK 101	WEEK 105
GROUP: FEMALE 1 - 0 PPM									
C92928	606	620	585						
GROUP: FEMALE 2 - 0.5 PPM									
C92933	602	598	611	622	624				
C92934	469	481	477	403					
C92935	638	627	559	472					
C92936	415	421	431	437	440	441	432	423	343
C92938	628	642	666	659	682	696	719	735	688
C92940	458	473	511	558					
C92943	612	637	655	595	515	391	353		
C92946	492	514	509	534	552	566	577	599	592
C92947	455	460	475	483	476	413			
C92948	592	595	600	608	612	573	449		
C92951	391	393	404	411	422	429	407	413	
C92953	391	406	411	419	435	441	453	454	468
C92954	480	501	517	527	564	566	576	464	
C92955	612	612	572	518	429				
C92956	588	592	614	626	650	663	678	624	
C92957	458	465	469	471	493	501	513	519	566
C92958	442	454	449	408	358				
C92959	469	492	503	511	547	552	460		
C92960	546	564	591	616	634	604	653	674	704
C92961	738	744	729	779	844	844	747		
C92963	379	373	372	374	378	353			
C92964	485	464	454	473	498	487	495	516	529
C92965	455	452	305						
C92970	604	628	646	654	661	633	597	487	367
C92971	347	354	406	473	584				
C92972	481	485	513	512	501	394			
C92973	571	592	606	634	652	655	687	701	644

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 73	WEEK 77	WEEK 81	WEEK 85	WEEK 89	WEEK 93	WEEK 97	WEEK 101	WEEK 105
GROUP: FEMALE 2 - 0.5 PPM									
C92974	424	425	440	440	462	450	452	402	363
C92975	440	448	461	487	503	517	515	496	531
C92976	611	679	738	729	733	715	661	529	
C92977	525	530	552	549	568	570	571		
C92979	477	491	504	522	409				
C92983	497	508	528	542	569	588	595	551	402
C92984	531	546	566	572	590	601	597	578	544
C92985	642	681	724	723	743	708	608		
C92986	395	402	424	432	458	482	499	503	489
C92988	526	543	540	562	571	591	613	606	617
C92989	444	451	446						
C92990	500	519	538	550	550	540			
GROUP: FEMALE 3 - 2 PPM									
C92991	472	498	527	549	557	576	589	595	
C92992	512	510	523						
C92994	401	417	364						
C92997	373	364	354						
C92999	500	447	415	333	323				
C93001	491	471	402						
C93002	502	456	385						
C93003	492	504	507	528	561	561	570	537	
C93004	393								
C93005	480	481	381	349	387				
C93007	453	457	470	482	480	511	516	531	
C93009	483	477	478	464	443				
C93010	558	574	593	575	471				
C93011	546	547	559	583	605	624	639	657	
C93012	596	605	595						
C93013	499	435	364	299					

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 73	WEEK 77	WEEK 81	WEEK 85	WEEK 89	WEEK 93	WEEK 97	WEEK 101	WEEK 105
GROUP: FEMALE 3 - 2 PPM									
C93014	489								
C93015	478	485	497	503	515	563	495	485	
C93016	293	305	278						
C93017	512	524	524	534	519				
C93022	593	632	647	677	687	681	670	649	
C93024	510	507	433	370					
C93025	576	584	598	618	632	656	661	628	
C93026	412	425	416	415	428	411	397	375	
C93027	500	505	543	530	423				
C93028	479	494	490	466	427				
C93030	581	591	611	619	617	581			
C93032	504	388							
C93034	412	404	432						
C93036	693	745	771	752					
C93039	566	579	600	603	597	594	612	618	
C93040	372	373	386	384	384	348	359	333	
C93041	533	533	439						
C93042	673	677	653	590	515	436			
C93043	572	583	597	608	610	608	633		
C93046	468	490							
C93047	803	829	818	849	878	888	918	913	
C93048	401	411	419	428	433	445	446	474	
C93050	504	522	536	535	546	550	508		
GROUP: FEMALE 4 - 5 PPM									
C93055	634	524							
C93056	475	495	519	537	552	527	432		
C93057	429	431	438	458	458	428	440		
C93059	496	510	520	541	557	584	596	615	621
C93060	465	473	480	480	502	508	510	480	498

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 73	WEEK 77	WEEK 81	WEEK 85	WEEK 89	WEEK 93	WEEK 97	WEEK 101	WEEK 105
GROUP: FEMALE 4 - 5 PPM									
C93061	513	412							
C93062	411	405	422	429	428	430	442	432	434
C93063	429	448	465	460	482	504	526	528	529
C93065	367	298	309	292	324	350			
C93066	477	481	494	493	528	532			
C93068	447	456	449	440	450	430	431	382	
C93069	558	565	570	589	611	642	716	685	
C93072	472	463	480	481	474	510	519	506	521
C93073	289								
C93074	608	622	522						
C93076	598	616	621	670	674	570			
C93077	511	521	550	588	604	627	640	627	621
C93078	464	479	486	486	510	534	592	601	643
C93079	578	588	600	614	623	619	629	648	623
C93080	469	472	473	500	516	518	530	537	537
C93081	449	458	450	454	457	482	491	479	484
C93082	487	497	509	523	542	569	507		
C93083	503	511	536	566	565	575	597	556	508
C93086	513	449	382	346	341				
C93087	402	402	422	425	442	467	437		
C93088	339	376							
C93089	415	408	412	418	417	375			
C93090	428	442	453	456	475	498	512	513	453
C93091	553	510							
C93092	370	312							
C93093	516	521	521	498	480	475			
C93094	521	524	533	559	552	536			
C93095	421	430	444	449	430	431	420	440	290
C93097	435	442	439	440	424	444	412		
C93098	451	470	478	481	482	500	517	519	490
C93099	560	566	580	571	557	537			

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 73	WEEK 77	WEEK 81	WEEK 85	WEEK 89	WEEK 93	WEEK 97	WEEK 101	WEEK 105
GROUP: FEMALE 4 - 5 PPM									
C93100	498	514	535	544	535				
C93101	440	451	448	450	437	462	484	479	490
C93102	499	506	510	521	532	544	554	545	562
C93103	575	608	634	615	635	644	552		
C93104	460	348	281						
C93105	408	411	394	310	329				
C93106	476	498	502	515	513	518			
C93107	397	392	403	418	421	437	468	474	494
C93110	686	666	660	620	483				
GROUP: FEMALE 5 - 20 PPM									
C93113	408	425	442	446	472	507	525	546	580
C93115	434	463	482	507	518	541	562	528	507
C93118	363	407	379	433	422	392			
C93119	313	330	341	339	361				
C93121	269	215							
C93122	599	600	605	606	543				
C93124	359	357	342	336	323	356	354	390	432
C93125	314	313	308	308	307	298	292	276	301
C93128	378	380	398	419	430	436	446		
C93129	396	396	410	425	429	396	335		
C93131	485	494	482	487	503	467			
C93132	437	455	458	485	493	472	445	445	265
C93133	395	404	402	414	413	416	424	426	425
C93135	365	391	368	381	398	416	435	448	473
C93137	455	460	507	494	504	496	482	467	446
C93139	364	363	374	373	366	352	345	332	329
C93140	542	537	545	559	563	571	565	548	514
C93141	486	488	512	534	537	545	530		
C93145	328								

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 73	WEEK 77	WEEK 81	WEEK 85	WEEK 89	WEEK 93	WEEK 97	WEEK 101	WEEK 105
GROUP: FEMALE 5 - 20 PPM									
C93146	323	330	334	342	353	352	360	373	356
C93148	462	462	479	492	505				
C93149	434	429	441	432	449	447	472	413	338
C93150	384	378	352	360	341				
C93151	335	335	336	339	345	377	401	456	526
C93153	407	410	403	416	421	410	486	452	463
C93156	335	262	362	345					
C93157	440	458	469	485	499	513	552	572	583
C93158	439	429	438	457	455	465	459	464	485
C93160	408								
C93161	543	563	557	583	583	652	687	700	729
C93162	408	411	411	413	433	439	452	447	429
C93164	367	381	390	410	416	430	457	464	476
C93165	399	415	421	426	424	438	463	462	464
C93166	461	471	464	486	476	496	509	522	511
C93168	381	387	391	399	395	400	419	413	407
C93170	424	427	441	446	433	383			
C93172	341	261							
C93173	396	407	401	385	437	473	504	492	
C93174	433	445	458	461	476	485	485	494	495
C93175	320	319	318	306	316				
C93176	449	450	424	377					
C93177	315	320	320	322	327	331	342	346	355
C93178	367	379	377	381	388	396	403	396	394
C93179	322	318	325	308	307	316	331	326	331
GROUP: FEMALE 6 - 20 PPM									
C93181	405	407	419	431	436	448	461	470	472
C93182	434	467	491	508	523	538	560	568	559
C93183	547	578	600	621	646	678	707	749	804

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 73	WEEK 77	WEEK 81	WEEK 85	WEEK 89	WEEK 93	WEEK 97	WEEK 101	WEEK 105
GROUP: FEMALE 6 - 20 PPM									
C93184	432	443	465	490	518	544	559	580	583
C93185	458	468	480	503	506	528	554	549	569
C93186	457								
C93187	535	545	553	567	496	566	557	491	
C93188	617	645	666	694	715	720	721	687	709
C93189	380	380	386	301					
C93190	507	518	526	546	543	523	441	340	330
C93191	546	553	563	596	581				
C93192	433	464	467	496	519	537	569	570	551
C93193	632								
C93194	450	450	424	358	346				
C93196	432	432	433	413					
C93197	308	305	324	324	324	350	356	362	369
C93198	511	519	536	547	544	569	574	579	590
C93200	415	421	434	454	485	474			
C93201	365	389	399	411	421	448	449	453	472
C93202	384	382	390	419	427	441	462	459	472
C93203	544	526	509	460	423				
C93204	428	438	442	470	484				
C93205	430	451	472	486	501	509	540	520	463
C93206	504	525	553	566	580	594	503	388	
C93208	548	571	575						
C93209	505	540	541	576	585	584	614	634	638
C93210	593	608	619	658	700	677	604	471	337
C93211	361	357	376	404	409	426	424	425	383
C93212	580	568	519						
C93213	410	376	310						
C93214	512	531	550	572	611	620	635		
C93215	511	501	416	335					
C93216	505	531	541	535	551	549	578	579	577
C93217	503	517	529	583	604				

Appendix 3

Individual Body Weight Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 73	WEEK 77	WEEK 81	WEEK 85	WEEK 89	WEEK 93	WEEK 97	WEEK 101	WEEK 105
GROUP: FEMALE 6 - 20 PPM									
C93218	428	442	453	458	470				
C93219	560	577	588	622	651	683	733	763	794
C93220	553	568	584	595	599	608	618	624	620

APPENDIX 4

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

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 1 - 0 PPM										
C92501	178.00	203.00	212.00	217.00	214.00	218.00	218.00	219.00	218.00	222.00
C92502	164.00	166.00	180.00	185.00	178.00	179.00	176.00	180.00	178.00	181.00
C92503	166.00	178.00	191.00	203.00	192.00	SPILLED	194.00	192.00	197.00	191.00
C92504	169.00	181.00	177.00	184.00	187.00	186.00	203.00	199.00	193.00	194.00
C92505	163.00	SPILLED	175.00	SPILLED	SPILLED	201.00	194.00	SPILLED	184.00	SPILLED
C92506	160.00	171.00	182.00	NOT TAKEN						
C92507	169.00	196.00	191.00	195.00	189.00	189.00	185.00	181.00	178.00	184.00
C92508	160.00	165.00	177.00	174.00	175.00	182.00	182.00	174.00	174.00	177.00
C92509	157.00	164.00	172.00	180.00	174.00	169.00	173.00	167.00	178.00	174.00
C92510	177.00	SPILLED	205.00	218.00	213.00	208.00	209.00	210.00	199.00	193.00
C92511	179.00	192.00	202.00	210.00	SPILLED	235.00	SPILLED	SPILLED	231.00	SPILLED
C92512	166.00	179.00	181.00	181.00	187.00	196.00	190.00	180.00	183.00	192.00
C92513	165.00	SPILLED	191.00	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	191.00	185.00
C92514	179.00	200.00	205.00	211.00	203.00	208.00	207.00	204.00	206.00	213.00
C92515	151.00	164.00	174.00	181.00	176.00	175.00	185.00	184.00	182.00	182.00
C92516	156.00	168.00	176.00	180.00	176.00	179.00	171.00	165.00	171.00	166.00
C92517	180.00	192.00	202.00	213.00	218.00	215.00	215.00	209.00	210.00	207.00
C92518	167.00	191.00	183.00	196.00	196.00	199.00	200.00	198.00	205.00	211.00
C92519	154.00	160.00	173.00	175.00	171.00	180.00	176.00	169.00	169.00	172.00
C92520	154.00	181.00	196.00	187.00	189.00	190.00	193.00	SPILLED	196.00	187.00
C92521	164.00	170.00	188.00	186.00	203.00	198.00	191.00	SPILLED	185.00	197.00
C92522	164.00	177.00	175.00	179.00	169.00	180.00	165.00	171.00	167.00	169.00
C92523	148.00	158.00	168.00	172.00	173.00	178.00	175.00	176.00	178.00	169.00
C92524	190.00	200.00	199.00	NOT TAKEN						
C92525	166.00	169.00	182.00	187.00	190.00	189.00	181.00	183.00	183.00	181.00
C92526	181.00	186.00	196.00	NOT TAKEN						
C92527	168.00	SPILLED	198.00	195.00	188.00	189.00	185.00	186.00	196.00	190.00
C92528	151.00	159.00	170.00	183.00	180.00	190.00	192.00	176.00	173.00	SPILLED
C92529	159.00	179.00	175.00	NOT TAKEN						
C92530	SPILLED	SPILLED	SPILLED	SPILLED	223.00	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C92531	168.00	181.00	204.00	SPILLED	206.00	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 1 - 0 PPM										
C92532	200.00	215.00	SPILLED	234.00	241.00	SPILLED	SPILLED	241.00	SPILLED	225.00
C92533	193.00	206.00	206.00	206.00	211.00	SPILLED	213.00	211.00	212.00	202.00
C92534	181.00	170.00	178.00	191.00	186.00	192.00	187.00	183.00	188.00	177.00
C92535	173.00	185.00	194.00	205.00	202.00	SPILLED	228.00	215.00	213.00	201.00
C92536	165.00	180.00	187.00	198.00	197.00	197.00	189.00	174.00	184.00	175.00
C92537	177.00	190.00	202.00	208.00	212.00	219.00	213.00	220.00	218.00	209.00
C92538	160.00	175.00	183.00	191.00	195.00	197.00	197.00	200.00	195.00	188.00
C92539	181.00	188.00	191.00	204.00	202.00	207.00	221.00	220.00	218.00	216.00
C92540	176.00	190.00	190.00	204.00	206.00	210.00	217.00	207.00	211.00	206.00
C92541	173.00	183.00	195.00	198.00	193.00	193.00	199.00	195.00	200.00	194.00
C92542	171.00	185.00	184.00	173.00	196.00	184.00	189.00	189.00	185.00	181.00
C92543	169.00	171.00	167.00	159.00	178.00	178.00	177.00	175.00	170.00	166.00
C92544	166.00	SPILLED	196.00	189.00	182.00	184.00	189.00	134.00	128.00	124.00
C92545	177.00	177.00	176.00	184.00	190.00	196.00	199.00	196.00	198.00	190.00
C92546	163.00	171.00	172.00	NOT TAKEN						
C92547	178.00	195.00	199.00	210.00	209.00	218.00	214.00	214.00	205.00	202.00
C92548	171.00	169.00	168.00	162.00	178.00	184.00	187.00	SPILLED	SPILLED	181.00
C92549	149.00	157.00	164.00	166.00	170.00	SPILLED	175.00	165.00	165.00	167.00
C92550	146.00	161.00	175.00	188.00	195.00	167.00	210.00	206.00	209.00	207.00
C92551	155.00	166.00	159.00	165.00	160.00	171.00	176.00	170.00	170.00	166.00
C92552	168.00	177.00	176.00	195.00	189.00	185.00	193.00	189.00	191.00	189.00
C92553	136.00	145.00	157.00	SPILLED	152.00	153.00	153.00	153.00	160.00	148.00
C92554	150.00	154.00	153.00	162.00	156.00	163.00	162.00	158.00	157.00	158.00
C92555	161.00	180.00	183.00	242.00	186.00	210.00	211.00	201.00	SPILLED	204.00
C92556	157.00	185.00	181.00	189.00	180.00	185.00	179.00	179.00	174.00	177.00
C92557	156.00	170.00	178.00	187.00	188.00	190.00	193.00	192.00	SPILLED	SPILLED
C92558	171.00	190.00	202.00	202.00	204.00	207.00	215.00	205.00	203.00	210.00
C92559	181.00	183.00	183.00	182.00	188.00	188.00	186.00	185.00	189.00	183.00
C92560	161.00	172.00	176.00	176.00	175.00	182.00	186.00	182.00	184.00	180.00
C92561	143.00	158.00	166.00	180.00	179.00	186.00	174.00	182.00	186.00	185.00
C92562	219.00	188.00	186.00	183.00	182.00	SPILLED	SPILLED	SPILLED	185.00	191.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 1 - 0 PPM										
C92563	169.00	SPILLED	190.00	200.00	197.00	205.00	201.00	202.00	208.00	204.00
C92564	166.00	174.00	178.00	186.00	195.00	199.00	194.00	189.00	192.00	187.00
C92565	164.00	178.00	181.00	184.00	193.00	198.00	200.00	SPILLED	208.00	202.00
C92566	165.00	172.00	195.00	203.00	206.00	192.00	193.00	196.00	201.00	199.00
C92567	157.00	173.00	180.00	192.00	194.00	195.00	194.00	190.00	189.00	181.00
C92568	152.00	163.00	177.00	182.00	185.00	189.00	193.00	192.00	198.00	195.00
C92569	162.00	163.00	172.00	182.00	192.00	195.00	198.00	SPILLED	185.00	189.00
C92570	171.00	SPILLED	187.00	194.00	199.00	196.00	198.00	198.00	198.00	191.00
GROUP: MALE 2 - 0.5 PPM										
C92571	148.00	169.00	185.00	183.00	182.00	196.00	SPILLED	205.00	SPILLED	223.00
C92572	163.00	173.00	179.00	198.00	197.00	198.00	205.00	195.00	203.00	210.00
C92573	175.00	195.00	SPILLED	195.00	224.00	233.00	SPILLED	214.00	218.00	203.00
C92574	167.00	179.00	SPILLED	NOT TAKEN						
C92575	158.00	CNTMD	159.00	NOT TAKEN						
C92576	172.00	178.00	185.00	191.00	194.00	191.00	189.00	189.00	189.00	188.00
C92577	168.00	181.00	194.00	200.00	196.00	SPILLED	219.00	200.00	190.00	198.00
C92578	175.00	175.00	175.00	180.00	185.00	SPILLED	217.00	193.00	190.00	201.00
C92579	173.00	186.00	199.00	203.00	208.00	209.00	221.00	217.00	203.00	200.00
C92580	165.00	176.00	183.00	185.00	192.00	SPILLED	SPILLED	187.00	189.00	SPILLED
C92581	166.00	175.00	188.00	196.00	190.00	196.00	205.00	201.00	193.00	188.00
C92582	147.00	160.00	SPILLED	SPILLED	157.00	161.00	171.00	163.00	162.00	155.00
C92583	161.00	SPILLED	169.00	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	171.00	176.00
C92584	SPILLED	159.00	166.00	167.00	166.00	167.00	164.00	164.00	166.00	162.00
C92585	179.00	CNTMD	186.00	168.00	197.00	203.00	CNTMD	207.00	192.00	199.00
C92586	147.00	150.00	167.00	164.00	185.00	186.00	193.00	188.00	183.00	186.00
C92587	177.00	178.00	187.00	187.00	213.00	208.00	223.00	212.00	204.00	201.00
C92588	SPILLED	164.00	173.00	176.00	193.00	194.00	SPILLED	SPILLED	SPILLED	SPILLED
C92589	171.00	182.00	197.00	198.00	206.00	207.00	211.00	201.00	201.00	198.00
C92590	180.00	194.00	204.00	212.00	208.00	SPILLED	174.00	209.00	212.00	212.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 2 - 0.5 PPM										
C92591	148.00	150.00	163.00	170.00	170.00	164.00	SPILLED	SPILLED	163.00	166.00
C92592	148.00	162.00	173.00	184.00	182.00	182.00	189.00	186.00	182.00	186.00
C92593	167.00	178.00	177.00	185.00	178.00	178.00	180.00	168.00	171.00	172.00
C92594	163.00	176.00	SPILLED	199.00	204.00	211.00	212.00	207.00	SPILLED	204.00
C92595	155.00	169.00	192.00	178.00	184.00	192.00	191.00	187.00	180.00	182.00
C92596	167.00	168.00	178.00	184.00	191.00	194.00	191.00	190.00	190.00	192.00
C92597	159.00	161.00	172.00	175.00	199.00	194.00	190.00	186.00	SPILLED	187.00
C92598	166.00	172.00	194.00	193.00	193.00	199.00	203.00	196.00	192.00	190.00
C92599	181.00	193.00	196.00	193.00	214.00	SPILLED	SPILLED	215.00	218.00	211.00
C92600	163.00	162.00	175.00	180.00	184.00	186.00	190.00	182.00	181.00	177.00
C92601	147.00	159.00	176.00	182.00	175.00	174.00	172.00	170.00	166.00	160.00
C92602	161.00	163.00	170.00	191.00	184.00	178.00	179.00	SPILLED	183.00	175.00
C92603	176.00	SPILLED	SPILLED	SPILLED	196.00	SPILLED	SPILLED	SPILLED	196.00	195.00
C92604	163.00	178.00	186.00	190.00	188.00	194.00	198.00	195.00	195.00	192.00
C92605	167.00	169.00	178.00	179.00	190.00	SPILLED	196.00	190.00	194.00	190.00
C92606	144.00	157.00	180.00	177.00	182.00	184.00	183.00	189.00	193.00	193.00
C92607	165.00	181.00	199.00	204.00	208.00	203.00	SPILLED	SPILLED	207.00	206.00
C92608	186.00	188.00	209.00	208.00	SPILLED	SPILLED	SPILLED	SPILLED	214.00	222.00
C92609	168.00	177.00	187.00	187.00	190.00	192.00	194.00	185.00	180.00	178.00
C92610	164.00	174.00	SPILLED	NOT TAKEN						
C92611	164.00	170.00	177.00	182.00	185.00	179.00	177.00	173.00	169.00	170.00
C92612	150.00	154.00	171.00	172.00	176.00	169.00	175.00	181.00	175.00	183.00
C92613	174.00	189.00	194.00	NOT TAKEN						
C92614	175.00	188.00	198.00	SPILLED	223.00	224.00	232.00	SPILLED	SPILLED	SPILLED
C92615	181.00	180.00	196.00	168.00	189.00	194.00	197.00	194.00	188.00	181.00
C92616	139.00	141.00	155.00	SPILLED	SPILLED	157.00	163.00	167.00	SPILLED	170.00
C92617	176.00	188.00	202.00	209.00	217.00	218.00	221.00	213.00	210.00	199.00
C92618	168.00	195.00	SPILLED	NOT TAKEN						
C92619	161.00	SPILLED	191.00	185.00	181.00	181.00	191.00	179.00	179.00	175.00
C92620	151.00	167.00	178.00	SPILLED	174.00	175.00	176.00	179.00	170.00	150.00
C92621	172.00	181.00	190.00	198.00	214.00	208.00	209.00	216.00	211.00	203.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 2 - 0.5 PPM										
C92622	CNTMD	166.00	175.00	187.00	185.00	189.00	188.00	187.00	183.00	176.00
C92623	143.00	153.00	157.00	169.00	171.00	174.00	174.00	153.00	155.00	164.00
C92624	CNTMD	150.00	166.00	167.00	172.00	169.00	177.00	176.00	178.00	177.00
C92625	163.00	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	213.00	SPILLED
C92626	175.00	176.00	183.00	193.00	190.00	187.00	201.00	205.00	202.00	202.00
C92627	177.00	188.00	203.00	SPILLED	234.00	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C92628	168.00	180.00	190.00	219.00	SPILLED	220.00	215.00	215.00	SPILLED	SPILLED
C92629	164.00	178.00	191.00	216.00	214.00	SPILLED	213.00	215.00	212.00	SPILLED
C92630	187.00	188.00	197.00	197.00	202.00	204.00	229.00	242.00	222.00	225.00
GROUP: MALE 3 - 2 PPM										
C92631	166.00	174.00	176.00	180.00	180.00	180.00	180.00	187.00	172.00	176.00
C92632	192.00	193.00	200.00	187.00	211.00	209.00	209.00	214.00	202.00	208.00
C92633	154.00	160.00	SPILLED	148.00	170.00	178.00	181.00	181.00	179.00	179.00
C92634	149.00	162.00	172.00	SPILLED	181.00	179.00	178.00	179.00	171.00	182.00
C92635	192.00	205.00	209.00	SPILLED	205.00	213.00	SPILLED	201.00	197.00	SPILLED
C92636	200.00	SPILLED	197.00	SPILLED	SPILLED	204.00	212.00	227.00	SPILLED	SPILLED
C92637	137.00	145.00	152.00	161.00	154.00	156.00	153.00	159.00	146.00	152.00
C92638	173.00	182.00	200.00	211.00	218.00	223.00	227.00	228.00	223.00	226.00
C92639	151.00	156.00	163.00	166.00	176.00	185.00	SPILLED	186.00	171.00	176.00
C92640	159.00	171.00	169.00	170.00	164.00	165.00	172.00	176.00	164.00	172.00
C92641	154.00	175.00	176.00	192.00	187.00	189.00	183.00	188.00	185.00	192.00
C92642	168.00	176.00	187.00	196.00	196.00	200.00	188.00	184.00	180.00	183.00
C92643	156.00	160.00	168.00	170.00	165.00	164.00	162.00	165.00	165.00	168.00
C92644	171.00	171.00	173.00	174.00	169.00	170.00	158.00	163.00	163.00	168.00
C92645	169.00	169.00	SPILLED	185.00	185.00	190.00	182.00	185.00	184.00	196.00
C92646	197.00	194.00	190.00	NOT TAKEN						
C92647	151.00	168.00	173.00	171.00	172.00	173.00	171.00	172.00	167.00	171.00
C92648	155.00	165.00	171.00	169.00	164.00	166.00	157.00	161.00	154.00	166.00
C92649	140.00	153.00	159.00	165.00	167.00	173.00	173.00	166.00	162.00	173.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 3 - 2 PPM										
C92650	160.00	176.00	180.00	NOT TAKEN						
C92651	176.00	189.00	194.00	194.00	197.00	187.00	190.00	192.00	193.00	192.00
C92652	159.00	173.00	183.00	NOT TAKEN						
C92653	158.00	168.00	175.00	182.00	179.00	177.00	178.00	184.00	188.00	183.00
C92654	170.00	187.00	202.00	203.00	SPILLED	SPILLED	SPILLED	203.00	190.00	SPILLED
C92655	167.00	184.00	201.00	208.00	221.00	223.00	SPILLED	SPILLED	SPILLED	SPILLED
C92656	152.00	160.00	169.00	184.00	187.00	183.00	189.00	186.00	181.00	184.00
C92657	164.00	188.00	183.00	176.00	SPILLED	SPILLED	197.00	SPILLED	189.00	196.00
C92658	161.00	170.00	187.00	216.00	189.00	SPILLED	194.00	198.00	184.00	199.00
C92659	182.00	193.00	195.00	207.00	203.00	206.00	211.00	205.00	203.00	211.00
C92660	173.00	167.00	194.00	221.00	178.00	197.00	180.00	190.00	176.00	SPILLED
C92661	164.00	168.00	174.00	175.00	172.00	172.00	170.00	177.00	157.00	167.00
C92662	149.00	163.00	187.00	SPILLED	176.00	173.00	170.00	175.00	168.00	175.00
C92663	180.00	201.00	215.00	230.00	SPILLED	SPILLED	SPILLED	SPILLED	203.00	SPILLED
C92664	165.00	185.00	187.00	SPILLED	197.00	197.00	207.00	196.00	191.00	192.00
C92665	183.00	190.00	201.00	207.00	207.00	208.00	207.00	213.00	211.00	210.00
C92666	176.00	184.00	198.00	203.00	206.00	203.00	207.00	206.00	204.00	209.00
C92667	167.00	185.00	205.00	209.00	210.00	213.00	218.00	221.00	209.00	213.00
C92668	162.00	172.00	183.00	NOT TAKEN						
C92669	154.00	165.00	178.00	184.00	184.00	188.00	190.00	197.00	194.00	197.00
C92670	163.00	172.00	177.00	177.00	182.00	181.00	177.00	177.00	165.00	177.00
C92671	154.00	165.00	183.00	186.00	186.00	191.00	152.00	188.00	183.00	194.00
C92672	144.00	149.00	157.00	160.00	153.00	170.00	177.00	180.00	173.00	185.00
C92673	176.00	170.00	175.00	175.00	185.00	182.00	184.00	180.00	179.00	SPILLED
C92674	174.00	174.00	170.00	182.00	171.00	SPILLED	SPILLED	SPILLED	204.00	216.00
C92675	178.00	183.00	188.00	184.00	183.00	183.00	183.00	179.00	184.00	186.00
C92676	175.00	172.00	SPILLED	154.00	188.00	176.00	178.00	178.00	168.00	169.00
C92677	149.00	157.00	160.00	160.00	164.00	SPILLED	152.00	165.00	169.00	172.00
C92678	143.00	158.00	166.00	NOT TAKEN						
C92679	168.00	173.00	177.00	180.00	204.00	187.00	186.00	195.00	193.00	196.00
C92680	169.00	192.00	199.00	195.00	207.00	SPILLED	194.00	SPILLED	208.00	215.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 3 - 2 PPM										
C92681	152.00	SPILLED	167.00	SPILLED	175.00	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C92682	150.00	165.00	173.00	164.00	174.00	174.00	172.00	180.00	170.00	180.00
C92683	170.00	171.00	185.00	182.00	189.00	192.00	186.00	SPILLED	180.00	187.00
C92684	163.00	160.00	167.00	162.00	180.00	177.00	174.00	180.00	172.00	175.00
C92685	151.00	155.00	172.00	179.00	186.00	182.00	191.00	196.00	190.00	198.00
C92686	161.00	165.00	176.00	162.00	180.00	183.00	185.00	182.00	177.00	180.00
C92687	170.00	167.00	177.00	188.00	202.00	202.00	201.00	205.00	199.00	202.00
C92688	155.00	157.00	168.00	178.00	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C92689	155.00	164.00	173.00	174.00	180.00	187.00	182.00	173.00	158.00	164.00
C92690	194.00	210.00	SPILLED	228.00	217.00	206.00	133.00	230.00	218.00	220.00
GROUP: MALE 4 - 5 PPM										
C92691	161.00	164.00	174.00	172.00	177.00	189.00	193.00	181.00	185.00	181.00
C92692	148.00	151.00	173.00	167.00	173.00	186.00	183.00	182.00	179.00	177.00
C92693	175.00	SPILLED	187.00	194.00	202.00	202.00	198.00	191.00	192.00	193.00
C92694	163.00	156.00	163.00	163.00	SPILLED	176.00	182.00	183.00	185.00	181.00
C92695	182.00	181.00	184.00	SPILLED	190.00	SPILLED	194.00	SPILLED	172.00	177.00
C92696	166.00	170.00	178.00	SPILLED	SPILLED	SPILLED	200.00	SPILLED	SPILLED	SPILLED
C92697	167.00	175.00	187.00	182.00	SPILLED	197.00	196.00	SPILLED	213.00	196.00
C92698	180.00	175.00	189.00	189.00	197.00	191.00	SPILLED	195.00	194.00	191.00
C92699	148.00	149.00	157.00	157.00	158.00	166.00	149.00	158.00	160.00	168.00
C92700	151.00	157.00	155.00	156.00	149.00	150.00	148.00	157.00	154.00	150.00
C92701	154.00	161.00	173.00	164.00	171.00	169.00	174.00	171.00	177.00	162.00
C92702	161.00	166.00	172.00	173.00	178.00	171.00	176.00	171.00	176.00	168.00
C92703	153.00	170.00	187.00	192.00	194.00	203.00	204.00	205.00	205.00	205.00
C92704	157.00	165.00	175.00	180.00	185.00	186.00	190.00	191.00	194.00	184.00
C92705	151.00	154.00	169.00	176.00	184.00	178.00	191.00	189.00	195.00	195.00
C92706	165.00	174.00	174.00	173.00	174.00	176.00	172.00	174.00	179.00	171.00
C92707	149.00	162.00	164.00	157.00	157.00	152.00	155.00	157.00	165.00	151.00
C92708	172.00	178.00	184.00	172.00	158.00	162.00	171.00	174.00	179.00	173.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 4 - 5 PPM										
C92709	176.00	180.00	175.00	165.00	187.00	187.00	195.00	185.00	179.00	170.00
C92710	158.00	170.00	176.00	180.00	SPILLED	192.00	SPILLED	SPILLED	SPILLED	192.00
C92711	153.00	155.00	168.00	161.00	173.00	172.00	181.00	174.00	174.00	168.00
C92712	182.00	188.00	189.00	186.00	200.00	204.00	SPILLED	197.00	SPILLED	201.00
C92713	199.00	SPILLED	SPILLED	SPILLED	182.00	SPILLED	SPILLED	SPILLED	SPILLED	199.00
C92714	175.00	SPILLED	203.00	184.00	193.00	192.00	SPILLED	SPILLED	210.00	206.00
C92715	168.00	SPILLED	184.00	NOT TAKEN						
C92716	179.00	186.00	197.00	179.00	203.00	207.00	211.00	205.00	203.00	198.00
C92717	171.00	177.00	187.00	179.00	179.00	186.00	190.00	186.00	192.00	179.00
C92718	164.00	176.00	191.00	NOT TAKEN						
C92719	151.00	162.00	169.00	169.00	173.00	176.00	179.00	177.00	SPILLED	181.00
C92720	200.00	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C92721	161.00	176.00	182.00	147.00	156.00	171.00	173.00	173.00	178.00	161.00
C92722	174.00	179.00	187.00	186.00	196.00	189.00	192.00	192.00	200.00	145.00
C92723	172.00	197.00	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	207.00	SPILLED	SPILLED
C92724	201.00	215.00	216.00	216.00	222.00	230.00	SPILLED	217.00	223.00	SPILLED
C92725	158.00	170.00	173.00	154.00	179.00	172.00	168.00	166.00	SPILLED	172.00
C92726	158.00	173.00	186.00	183.00	191.00	188.00	192.00	192.00	187.00	183.00
C92727	151.00	166.00	178.00	SPILLED	187.00	190.00	190.00	SPILLED	187.00	185.00
C92728	163.00	173.00	201.00	201.00	207.00	215.00	215.00	208.00	202.00	215.00
C92729	170.00	191.00	214.00	210.00	217.00	209.00	209.00	206.00	213.00	205.00
C92730	158.00	170.00	186.00	SPILLED	186.00	188.00	189.00	178.00	179.00	182.00
C92731	SPILLED	SPILLED	173.00	NOT TAKEN						
C92732	159.00	177.00	195.00	174.00	196.00	189.00	195.00	191.00	198.00	196.00
C92733	159.00	166.00	175.00	165.00	168.00	163.00	162.00	167.00	180.00	177.00
C92734	170.00	179.00	184.00	NOT TAKEN						
C92735	173.00	180.00	180.00	182.00	189.00	189.00	192.00	186.00	190.00	184.00
C92736	157.00	164.00	176.00	170.00	177.00	177.00	176.00	175.00	186.00	179.00
C92737	151.00	160.00	174.00	167.00	176.00	172.00	172.00	171.00	184.00	177.00
C92738	140.00	157.00	180.00	170.00	182.00	181.00	188.00	181.00	191.00	190.00
C92739	144.00	148.00	159.00	160.00	167.00	164.00	167.00	167.00	184.00	177.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 4 - 5 PPM										
C92740	169.00	178.00	185.00	183.00	184.00	185.00	199.00	196.00	196.00	181.00
C92741	156.00	163.00	167.00	176.00	177.00	180.00	198.00	SPILLED	178.00	176.00
C92742	176.00	190.00	203.00	199.00	205.00	205.00	204.00	208.00	208.00	204.00
C92743	164.00	183.00	191.00	198.00	206.00	204.00	208.00	SPILLED	210.00	208.00
C92744	152.00	178.00	193.00	NOT TAKEN						
C92745	170.00	183.00	197.00	200.00	207.00	210.00	210.00	205.00	205.00	198.00
C92746	182.00	201.00	202.00	185.00	206.00	SPILLED	SPILLED	SPILLED	198.00	190.00
C92747	158.00	163.00	175.00	179.00	189.00	196.00	195.00	197.00	SPILLED	SPILLED
C92748	160.00	165.00	177.00	181.00	192.00	201.00	228.00	SPILLED	225.00	SPILLED
C92749	149.00	152.00	160.00	160.00	167.00	176.00	177.00	172.00	178.00	SPILLED
C92750	167.00	180.00	198.00	190.00	193.00	188.00	SPILLED	191.00	179.00	178.00
GROUP: MALE 5 - 20 PPM										
C92751	150.00	172.00	189.00	189.00	191.00	186.00	SPILLED	SPILLED	182.00	182.00
C92752	145.00	146.00	158.00	NOT TAKEN						
C92753	184.00	194.00	197.00	204.00	210.00	192.00	206.00	201.00	205.00	173.00
C92754	141.00	154.00	167.00	164.00	166.00	164.00	177.00	159.00	159.00	163.00
C92755	148.00	154.00	174.00	164.00	171.00	164.00	170.00	164.00	176.00	172.00
C92756	167.00	187.00	213.00	217.00	217.00	226.00	SPILLED	SPILLED	SPILLED	SPILLED
C92757	149.00	154.00	170.00	179.00	180.00	182.00	SPILLED	SPILLED	175.00	172.00
C92758	138.00	153.00	163.00	161.00	165.00	171.00	169.00	163.00	160.00	157.00
C92759	154.00	161.00	173.00	NOT TAKEN						
C92760	166.00	180.00	191.00	189.00	189.00	187.00	196.00	185.00	183.00	186.00
C92761	155.00	176.00	174.00	180.00	176.00	178.00	172.00	176.00	170.00	171.00
C92762	160.00	165.00	178.00	184.00	185.00	189.00	183.00	SPILLED	173.00	177.00
C92763	171.00	178.00	195.00	189.00	199.00	193.00	205.00	202.00	203.00	200.00
C92764	190.00	207.00	218.00	201.00	220.00	220.00	218.00	222.00	SPILLED	207.00
C92765	156.00	170.00	181.00	183.00	189.00	188.00	198.00	187.00	187.00	187.00
C92766	162.00	172.00	174.00	172.00	178.00	175.00	176.00	174.00	177.00	176.00
C92767	154.00	177.00	197.00	195.00	188.00	204.00	206.00	221.00	225.00	224.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 5 - 20 PPM										
C92768	167.00	187.00	197.00	195.00	203.00	208.00	200.00	180.00	188.00	181.00
C92769	169.00	177.00	200.00	186.00	191.00	189.00	197.00	189.00	188.00	188.00
C92770	177.00	SPILLED	190.00	181.00	191.00	182.00	193.00	185.00	183.00	184.00
C92771	162.00	167.00	194.00	207.00	SPILLED	188.00	SPILLED	175.00	176.00	172.00
C92772	167.00	174.00	194.00	177.00	182.00	184.00	175.00	174.00	182.00	176.00
C92773	147.00	160.00	167.00	167.00	168.00	157.00	159.00	155.00	163.00	150.00
C92774	160.00	171.00	173.00	175.00	189.00	192.00	194.00	189.00	196.00	185.00
C92775	170.00	186.00	202.00	197.00	208.00	204.00	211.00	207.00	195.00	202.00
C92776	170.00	181.00	185.00	185.00	189.00	188.00	187.00	186.00	185.00	186.00
C92777	153.00	161.00	165.00	164.00	168.00	162.00	173.00	163.00	166.00	169.00
C92778	157.00	182.00	192.00	190.00	180.00	183.00	189.00	185.00	183.00	186.00
C92779	147.00	155.00	163.00	NOT TAKEN						
C92780	146.00	166.00	155.00	160.00	164.00	165.00	172.00	171.00	172.00	SPILLED
C92781	160.00	170.00	172.00	172.00	172.00	175.00	176.00	138.00	168.00	168.00
C92782	151.00	160.00	179.00	178.00	184.00	180.00	190.00	170.00	177.00	176.00
C92783	172.00	178.00	194.00	190.00	198.00	200.00	201.00	192.00	181.00	186.00
C92784	161.00	164.00	187.00	167.00	193.00	189.00	175.00	179.00	178.00	181.00
C92785	154.00	167.00	180.00	180.00	185.00	190.00	189.00	SPILLED	181.00	183.00
C92786	151.00	156.00	169.00	165.00	173.00	172.00	180.00	178.00	166.00	175.00
C92787	174.00	181.00	199.00	201.00	196.00	194.00	202.00	138.00	SPILLED	SPILLED
C92788	183.00	204.00	213.00	SPILLED	219.00	197.00	200.00	167.00	198.00	194.00
C92789	143.00	151.00	169.00	168.00	171.00	172.00	177.00	163.00	168.00	SPILLED
C92790	161.00	164.00	177.00	175.00	179.00	181.00	185.00	177.00	175.00	176.00
C92791	150.00	153.00	174.00	175.00	170.00	174.00	181.00	175.00	164.00	170.00
C92792	156.00	183.00	179.00	176.00	188.00	186.00	190.00	187.00	181.00	182.00
C92793	163.00	160.00	164.00	NOT TAKEN						
C92794	151.00	153.00	169.00	156.00	162.00	166.00	170.00	167.00	163.00	161.00
C92795	148.00	157.00	165.00	165.00	167.00	168.00	175.00	180.00	178.00	177.00
C92796	137.00	142.00	149.00	154.00	158.00	162.00	155.00	153.00	148.00	148.00
C92797	149.00	154.00	161.00	162.00	162.00	164.00	166.00	166.00	163.00	167.00
C92798	161.00	158.00	170.00	NOT TAKEN						

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 5 - 20 PPM										
C92799	158.00	156.00	169.00	163.00	184.00	190.00	183.00	176.00	180.00	184.00
C92800	166.00	178.00	184.00	SPILLED	183.00	179.00	SPILLED	178.00	SPILLED	SPILLED
C92801	166.00	173.00	190.00	197.00	204.00	194.00	193.00	191.00	SPILLED	185.00
C92802	157.00	161.00	166.00	167.00	172.00	175.00	178.00	176.00	168.00	172.00
C92803	164.00	171.00	179.00	185.00	193.00	185.00	184.00	182.00	181.00	176.00
C92804	155.00	153.00	167.00	166.00	180.00	171.00	169.00	174.00	175.00	173.00
C92805	172.00	168.00	181.00	167.00	195.00	187.00	194.00	183.00	187.00	187.00
C92806	159.00	168.00	178.00	178.00	183.00	174.00	179.00	143.00	119.00	151.00
C92807	148.00	163.00	173.00	159.00	191.00	181.00	186.00	184.00	174.00	168.00
C92808	145.00	150.00	169.00	164.00	167.00	158.00	164.00	153.00	151.00	158.00
C92809	151.00	171.00	174.00	174.00	190.00	177.00	184.00	184.00	188.00	179.00
C92810	175.00	177.00	185.00	180.00	188.00	180.00	182.00	187.00	177.00	175.00
C92811	164.00	175.00	190.00	173.00	204.00	200.00	202.00	198.00	194.00	199.00
C92812	153.00	160.00	165.00	162.00	172.00	181.00	182.00	206.00	163.00	172.00
C92813	176.00	180.00	183.00	185.00	185.00	181.00	198.00	191.00	182.00	183.00
C92814	146.00	152.00	162.00	156.00	153.00	151.00	145.00	145.00	134.00	137.00
C92815	159.00	149.00	155.00	SPILLED	172.00	136.00	164.00	188.00	180.00	186.00
C92816	129.00	137.00	147.00	146.00	153.00	151.00	154.00	154.00	141.00	151.00
C92817	164.00	174.00	187.00	189.00	195.00	194.00	199.00	210.00	192.00	200.00
C92818	155.00	156.00	160.00	164.00	169.00	168.00	164.00	178.00	167.00	171.00
C92819	151.00	152.00	163.00	158.00	157.00	161.00	160.00	167.00	153.00	161.00
C92820	SPILLED	167.00	163.00	170.00	181.00	185.00	181.00	177.00	181.00	SPILLED
GROUP: MALE 6 - 20 PPM										
C92821	141.00	144.00	162.00	159.00	167.00	172.00	170.00	165.00	160.00	166.00
C92822	157.00	160.00	164.00	167.00	174.00	181.00	176.00	170.00	167.00	164.00
C92823	169.00	173.00	186.00	179.00	184.00	175.00	171.00	168.00	171.00	174.00
C92824	167.00	164.00	169.00	176.00	181.00	185.00	188.00	179.00	192.00	203.00
C92825	185.00	195.00	206.00	211.00	224.00	226.00	222.00	222.00	216.00	SPILLED
C92826	157.00	SPILLED	174.00	171.00	172.00	171.00	SPILLED	SPILLED	181.00	189.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 6 - 20 PPM										
C92827	157.00	161.00	175.00	178.00	187.00	186.00	189.00	191.00	180.00	188.00
C92828	167.00	171.00	184.00	181.00	192.00	191.00	191.00	191.00	192.00	191.00
C92829	174.00	170.00	187.00	189.00	205.00	208.00	204.00	205.00	203.00	209.00
C92830	165.00	170.00	175.00	189.00	191.00	183.00	169.00	186.00	188.00	196.00
C92831	187.00	196.00	202.00	191.00	192.00	190.00	195.00	201.00	192.00	197.00
C92832	148.00	159.00	166.00	166.00	170.00	165.00	SPILLED	SPILLED	SPILLED	153.00
C92833	162.00	166.00	182.00	180.00	183.00	175.00	SPILLED	SPILLED	SPILLED	182.00
C92834	157.00	168.00	183.00	182.00	181.00	180.00	179.00	175.00	181.00	179.00
C92835	164.00	155.00	154.00	158.00	159.00	167.00	159.00	159.00	163.00	161.00
C92836	175.00	183.00	194.00	195.00	199.00	191.00	189.00	118.00	176.00	215.00
C92837	168.00	182.00	196.00	201.00	203.00	196.00	194.00	187.00	183.00	186.00
C92838	171.00	173.00	181.00	186.00	187.00	183.00	183.00	183.00	184.00	180.00
C92839	200.00	218.00	SPILLED	245.00	253.00	242.00	236.00	SPILLED	235.00	237.00
C92840	158.00	155.00	158.00	165.00	160.00	160.00	156.00	151.00	156.00	155.00
C92841	145.00	162.00	164.00	176.00	161.00	164.00	159.00	160.00	158.00	158.00
C92842	193.00	197.00	203.00	203.00	193.00	188.00	194.00	189.00	187.00	187.00
C92843	190.00	200.00	212.00	205.00	206.00	200.00	195.00	192.00	197.00	198.00
C92844	150.00	148.00	156.00	156.00	153.00	153.00	157.00	154.00	152.00	147.00
C92845	SPILLED	SPILLED	183.00	189.00	192.00	190.00	187.00	181.00	SPILLED	191.00
C92846	170.00	171.00	177.00	185.00	187.00	194.00	197.00	196.00	191.00	198.00
C92847	175.00	198.00	214.00	212.00	209.00	209.00	209.00	215.00	209.00	216.00
C92848	143.00	144.00	155.00	160.00	160.00	162.00	162.00	163.00	165.00	170.00
C92849	176.00	186.00	191.00	190.00	198.00	197.00	202.00	SPILLED	SPILLED	210.00
C92850	169.00	172.00	177.00	180.00	180.00	SPILLED	189.00	184.00	SPILLED	188.00
C92851	153.00	167.00	171.00	179.00	181.00	176.00	180.00	179.00	174.00	176.00
C92852	152.00	164.00	183.00	199.00	180.00	172.00	185.00	194.00	SPILLED	193.00
C92853	164.00	170.00	173.00	177.00	176.00	177.00	173.00	181.00	174.00	167.00
C92854	189.00	202.00	212.00	SPILLED	201.00	193.00	194.00	195.00	181.00	189.00
C92855	176.00	SPILLED	SPILLED	SPILLED	183.00	SPILLED	128.00	SPILLED	SPILLED	185.00
C92856	167.00	164.00	176.00	171.00	176.00	172.00	170.00	170.00	169.00	170.00
C92857	170.00	181.00	188.00	195.00	190.00	193.00	190.00	195.00	180.00	182.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 6 - 20 PPM										
C92858	148.00	152.00	186.00	187.00	198.00	187.00	194.00	190.00	188.00	189.00
C92859	160.00	173.00	188.00	186.00	198.00	199.00	202.00	191.00	SPILLED	SPILLED
C92860	160.00	167.00	184.00	183.00	178.00	181.00	178.00	174.00	182.00	176.00
GROUP: FEMALE 1 - 0 PPM										
C92861	140.00	151.00	155.00	NOT TAKEN						
C92862	111.00	121.00	128.00	120.00	133.00	117.00	116.00	120.00	119.00	126.00
C92863	122.00	136.00	127.00	128.00	132.00	120.00	131.00	135.00	129.00	SPILLED
C92864	SPILLED	160.00	SPILLED	NOT TAKEN						
C92865	151.00	146.00	155.00	149.00	149.00	143.00	144.00	136.00	148.00	146.00
C92866	124.00	136.00	135.00	123.00	126.00	124.00	122.00	125.00	129.00	129.00
C92867	130.00	145.00	150.00	145.00	156.00	129.00	141.00	138.00	132.00	142.00
C92868	126.00	152.00	157.00	154.00	167.00	SPILLED	130.00	147.00	147.00	151.00
C92869	123.00	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C92870	125.00	143.00	146.00	124.00	136.00	126.00	148.00	137.00	127.00	139.00
C92871	123.00	138.00	TECH SPILL	140.00	140.00	137.00	131.00	141.00	130.00	132.00
C92872	110.00	115.00	113.00	116.00	119.00	107.00	105.00	96.00	99.00	106.00
C92873	116.00	125.00	141.00	125.00	125.00	118.00	129.00	125.00	SPILLED	136.00
C92874	136.00	141.00	162.00	SPILLED	144.00	SPILLED	135.00	SPILLED	119.00	124.00
C92875	114.00	127.00	123.00	130.00	124.00	SPILLED	SPILLED	SPILLED	128.00	130.00
C92876	109.00	121.00	130.00	SPILLED	126.00	118.00	120.00	117.00	115.00	120.00
C92877	117.00	132.00	140.00	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C92878	SPILLED	151.00	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C92879	130.00	144.00	150.00	135.00	145.00	146.00	147.00	152.00	154.00	159.00
C92880	CNTMD	124.00	123.00	122.00	135.00	125.00	131.00	147.00	131.00	140.00
C92881	SPILLED	143.00	151.00	129.00	146.00	139.00	149.00	142.00	145.00	156.00
C92882	118.00	129.00	126.00	SPILLED	128.00	115.00	110.00	114.00	117.00	115.00
C92883	140.00	157.00	173.00	SPILLED	173.00	SPILLED	SPILLED	156.00	161.00	167.00
C92884	137.00	144.00	147.00	133.00	SPILLED	125.00	141.00	SPILLED	142.00	146.00
C92885	140.00	151.00	160.00	154.00	163.00	149.00	145.00	146.00	141.00	153.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 1 - 0 PPM										
C92886	142.00	133.00	SPILLED	139.00	SPILLED	120.00	112.00	150.00	133.00	SPILLED
C92887	133.00	154.00	158.00	150.00	161.00	133.00	106.00	122.00	117.00	132.00
C92888	142.00	172.00	SPILLED	163.00	SPILLED	189.00	161.00	177.00	149.00	147.00
C92889	117.00	131.00	132.00	SPILLED	136.00	SPILLED	135.00	124.00	122.00	123.00
C92890	SPILLED	164.00	169.00	145.00	162.00	150.00	141.00	141.00	156.00	SPILLED
C92891	SPILLED	SPILLED	SPILLED	136.00	138.00	SPILLED	SPILLED	SPILLED	140.00	130.00
C92892	130.00	143.00	153.00	155.00	165.00	154.00	162.00	142.00	150.00	149.00
C92893	127.00	128.00	SPILLED	128.00	138.00	SPILLED	SPILLED	SPILLED	SPILLED	129.00
C92894	118.00	130.00	128.00	124.00	125.00	124.00	118.00	135.00	125.00	134.00
C92895	132.00	141.00	153.00	150.00	SPILLED	142.00	152.00	140.00	143.00	155.00
C92896	128.00	150.00	SPILLED	SPILLED	183.00	SPILLED	SPILLED	SPILLED	143.00	SPILLED
C92897	122.00	124.00	137.00	125.00	132.00	127.00	134.00	133.00	137.00	141.00
C92898	129.00	141.00	147.00	SPILLED	149.00	SPILLED	150.00	149.00	159.00	147.00
C92899	137.00	146.00	164.00	158.00	173.00	155.00	172.00	155.00	171.00	163.00
C92900	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	150.00	SPILLED	SPILLED	157.00
C92901	109.00	121.00	131.00	SPILLED	SPILLED	143.00	127.00	SPILLED	122.00	131.00
C92902	155.00	167.00	175.00	175.00	185.00	171.00	188.00	190.00	180.00	173.00
C92903	152.00	151.00	155.00	158.00	150.00	148.00	141.00	SPILLED	181.00	172.00
C92904	119.00	128.00	133.00	126.00	143.00	SPILLED	132.00	130.00	146.00	138.00
C92905	113.00	120.00	128.00	128.00	132.00	123.00	135.00	129.00	133.00	128.00
C92906	SPILLED	SPILLED	139.00	SPILLED	133.00	152.00	116.00	SPILLED	SPILLED	114.00
C92907	SPILLED	121.00	123.00	134.00	124.00	127.00	120.00	116.00	125.00	SPILLED
C92908	123.00	133.00	132.00	135.00	138.00	129.00	133.00	135.00	132.00	132.00
C92909	117.00	129.00	SPILLED	136.00	142.00	139.00	139.00	134.00	134.00	129.00
C92910	SPILLED	190.00	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	200.00	SPILLED
C92911	SPILLED	115.00	111.00	SPILLED	111.00	109.00	116.00	104.00	118.00	112.00
C92912	133.00	143.00	142.00	138.00	SPILLED	SPILLED	144.00	135.00	146.00	130.00
C92913	130.00	142.00	146.00	130.00	140.00	137.00	137.00	137.00	134.00	128.00
C92914	119.00	127.00	129.00	NOT TAKEN						
C92915	SPILLED	143.00	143.00	162.00	SPILLED	SPILLED	148.00	SPILLED	SPILLED	147.00
C92916	140.00	SPILLED	172.00	169.00	173.00	159.00	158.00	164.00	126.00	152.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 1 - 0 PPM										
C92917	148.00	152.00	SPILLED	161.00	172.00	177.00	158.00	180.00	SPILLED	163.00
C92918	119.00	121.00	CNTMD	115.00	133.00	127.00	123.00	121.00	120.00	124.00
C92919	SPILLED	SPILLED	185.00	NOT TAKEN						
C92920	SPILLED	120.00	131.00	SPILLED	SPILLED	SPILLED	143.00	SPILLED	136.00	196.00
C92921	127.00	126.00	128.00	130.00	134.00	142.00	148.00	138.00	144.00	137.00
C92922	136.00	156.00	156.00	135.00	153.00	150.00	153.00	146.00	157.00	SPILLED
C92923	SPILLED	125.00	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	141.00	SPILLED
C92924	144.00	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	178.00	SPILLED
C92925	134.00	145.00	155.00	147.00	165.00	156.00	147.00	SPILLED	142.00	161.00
C92926	143.00	SPILLED	152.00	NOT TAKEN						
C92927	120.00	190.00	138.00	141.00	140.00	145.00	140.00	122.00	SPILLED	169.00
C92928	130.00	138.00	143.00	157.00	157.00	135.00	138.00	152.00	134.00	139.00
C92929	114.00	133.00	132.00	129.00	139.00	139.00	131.00	125.00	134.00	126.00
C92930	147.00	179.00	178.00	181.00	189.00	182.00	171.00	165.00	156.00	173.00
GROUP: FEMALE 2 - 0.5 PPM										
C92931	127.00	141.00	148.00	146.00	149.00	148.00	145.00	152.00	143.00	140.00
C92932	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C92933	116.00	128.00	129.00	145.00	145.00	SPILLED	151.00	157.00	166.00	170.00
C92934	117.00	130.00	135.00	SPILLED	132.00	SPILLED	154.00	129.00	125.00	SPILLED
C92935	124.00	132.00	148.00	148.00	144.00	129.00	135.00	140.00	135.00	133.00
C92936	113.00	125.00	135.00	120.00	129.00	121.00	121.00	119.00	119.00	111.00
C92937	116.00	130.00	134.00	133.00	136.00	137.00	141.00	SPILLED	140.00	SPILLED
C92938	117.00	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C92939	104.00	111.00	144.00	119.00	136.00	SPILLED	SPILLED	SPILLED	127.00	120.00
C92940	114.00	126.00	140.00	154.00	148.00	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C92941	135.00	SPILLED	SPILLED	NOT TAKEN						
C92942	131.00	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	162.00	SPILLED	151.00	SPILLED
C92943	132.00	137.00	155.00	150.00	161.00	SPILLED	157.00	SPILLED	148.00	154.00
C92944	133.00	SPILLED	155.00	167.00	175.00	164.00	163.00	174.00	167.00	170.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 2 - 0.5 PPM										
C92945	117.00	139.00	144.00	NOT TAKEN						
C92946	98.00	112.00	116.00	109.00	113.00	121.00	116.00	113.00	115.00	113.00
C92947	119.00	128.00	139.00	142.00	155.00	147.00	140.00	149.00	139.00	137.00
C92948	112.00	142.00	141.00	135.00	162.00	139.00	151.00	162.00	144.00	130.00
C92949	SPILLED	SPILLED	202.00	188.00	196.00	211.00	192.00	SPILLED	174.00	178.00
C92950	127.00	125.00	145.00	NOT TAKEN						
C92951	109.00	120.00	SPILLED	114.00	133.00	114.00	121.00	126.00	126.00	112.00
C92952	103.00	110.00	125.00	123.00	132.00	118.00	127.00	128.00	121.00	131.00
C92953	113.00	117.00	SPILLED	115.00	134.00	130.00	125.00	SPILLED	121.00	127.00
C92954	114.00	132.00	130.00	135.00	151.00	135.00	139.00	136.00	130.00	135.00
C92955	132.00	136.00	151.00	SPILLED	SPILLED	SPILLED	143.00	143.00	147.00	131.00
C92956	123.00	134.00	153.00	144.00	143.00	144.00	143.00	137.00	136.00	138.00
C92957	SPILLED	130.00	138.00	122.00	131.00	SPILLED	139.00	SPILLED	SPILLED	140.00
C92958	102.00	119.00	110.00	123.00	127.00	114.00	117.00	121.00	114.00	106.00
C92959	139.00	157.00	163.00	126.00	169.00	151.00	157.00	165.00	169.00	146.00
C92960	SPILLED	183.00	SPILLED	SPILLED	182.00	SPILLED	161.00	SPILLED	143.00	139.00
C92961	SPILLED	SPILLED	SPILLED	157.00	160.00	149.00	153.00	145.00	141.00	159.00
C92962	113.00	130.00	133.00	114.00	125.00	117.00	116.00	124.00	117.00	115.00
C92963	102.00	112.00	115.00	115.00	116.00	110.00	112.00	121.00	122.00	SPILLED
C92964	121.00	186.00	148.00	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	119.00	SPILLED
C92965	130.00	168.00	SPILLED	SPILLED	150.00	SPILLED	144.00	SPILLED	131.00	131.00
C92966	107.00	111.00	110.00	114.00	122.00	111.00	118.00	116.00	115.00	114.00
C92967	125.00	136.00	148.00	153.00	148.00	164.00	138.00	SPILLED	130.00	129.00
C92968	133.00	SPILLED	159.00	SPILLED	161.00	SPILLED	144.00	138.00	151.00	142.00
C92969	107.00	126.00	SPILLED	NOT TAKEN						
C92970	132.00	139.00	155.00	160.00	159.00	146.00	153.00	161.00	154.00	147.00
C92971	99.00	112.00	123.00	117.00	120.00	110.00	119.00	107.00	112.00	110.00
C92972	113.00	138.00	139.00	142.00	144.00	139.00	136.00	146.00	133.00	140.00
C92973	105.00	129.00	126.00	127.00	144.00	134.00	163.00	138.00	SPILLED	128.00
C92974	112.00	115.00	123.00	120.00	123.00	119.00	122.00	116.00	112.00	117.00
C92975	127.00	140.00	146.00	131.00	155.00	142.00	153.00	133.00	139.00	140.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 2 - 0.5 PPM										
C92976	124.00	141.00	155.00	154.00	162.00	135.00	138.00	139.00	137.00	136.00
C92977	116.00	120.00	131.00	133.00	155.00	151.00	149.00	140.00	145.00	140.00
C92978	139.00	156.00	172.00	163.00	179.00	168.00	177.00	162.00	151.00	160.00
C92979	114.00	118.00	127.00	134.00	134.00	132.00	132.00	122.00	124.00	126.00
C92980	113.00	129.00	138.00	141.00	152.00	153.00	140.00	147.00	130.00	140.00
C92981	131.00	137.00	152.00	SPILLED	132.00	SPILLED	138.00	129.00	126.00	131.00
C92982	122.00	SPILLED	SPILLED	NOT TAKEN						
C92983	125.00	SPILLED	131.00	145.00	SPILLED	166.00	167.00	SPILLED	SPILLED	141.00
C92984	123.00	140.00	152.00	158.00	147.00	151.00	147.00	151.00	138.00	133.00
C92985	141.00	145.00	158.00	158.00	155.00	162.00	162.00	148.00	132.00	138.00
C92986	116.00	134.00	142.00	134.00	139.00	140.00	136.00	129.00	132.00	131.00
C92987	124.00	144.00	141.00	136.00	136.00	146.00	131.00	138.00	126.00	SPILLED
C92988	106.00	131.00	128.00	135.00	147.00	143.00	134.00	134.00	131.00	141.00
C92989	153.00	SPILLED	165.00	TECH SPILL	SPILLED	213.00	SPILLED	SPILLED	SPILLED	SPILLED
C92990	137.00	SPILLED	165.00	149.00	144.00	162.00	152.00	SPILLED	142.00	141.00
GROUP: FEMALE 3 - 2 PPM										
C92991	SPILLED	SPILLED	153.00	SPILLED	SPILLED	SPILLED	128.00	120.00	118.00	117.00
C92992	133.00	124.00	126.00	SPILLED	SPILLED	SPILLED	123.00	SPILLED	123.00	125.00
C92993	124.00	127.00	133.00	119.00	146.00	146.00	132.00	138.00	138.00	132.00
C92994	114.00	110.00	114.00	124.00	121.00	123.00	113.00	124.00	121.00	116.00
C92995	134.00	134.00	147.00	162.00	135.00	140.00	137.00	141.00	NOT TAKEN	
C92996	120.00	127.00	131.00	NOT TAKEN						
C92997	117.00	119.00	123.00	128.00	124.00	115.00	121.00	130.00	121.00	SPILLED
C92998	124.00	138.00	155.00	137.00	153.00	138.00	145.00	143.00	140.00	145.00
C92999	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C93000	SPILLED	SPILLED	159.00	SPILLED	151.00	SPILLED	132.00	SPILLED	SPILLED	SPILLED
C93001	117.00	123.00	118.00	140.00	SPILLED	SPILLED	118.00	129.00	134.00	138.00
C93002	123.00	127.00	133.00	117.00	133.00	122.00	108.00	130.00	109.00	123.00
C93003	174.00	SPILLED	132.00	152.00	160.00	138.00	140.00	SPILLED	143.00	128.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 3 - 2 PPM										
C93004	127.00	129.00	168.00	131.00	131.00	133.00	133.00	128.00	124.00	131.00
C93005	132.00	129.00	128.00	137.00	134.00	129.00	120.00	131.00	111.00	123.00
C93006	109.00	118.00	109.00	NOT TAKEN						
C93007	SPILLED	SPILLED	SPILLED	SPILLED	141.00	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C93008	141.00	153.00	156.00	NOT TAKEN						
C93009	127.00	117.00	179.00	129.00	133.00	SPILLED	127.00	132.00	135.00	SPILLED
C93010	141.00	141.00	153.00	153.00	146.00	147.00	138.00	139.00	136.00	139.00
C93011	135.00	131.00	139.00	140.00	138.00	SPILLED	119.00	128.00	123.00	118.00
C93012	SPILLED	SPILLED	142.00	164.00	160.00	143.00	155.00	139.00	141.00	135.00
C93013	SPILLED	116.00	117.00	SPILLED	SPILLED	SPILLED	119.00	119.00	104.00	120.00
C93014	SPILLED	162.00	SPILLED	194.00	177.00	164.00	SPILLED	139.00	136.00	146.00
C93015	130.00	139.00	148.00	SPILLED	140.00	SPILLED	144.00	SPILLED	SPILLED	157.00
C93016	80.00	99.00	123.00	138.00	129.00	121.00	121.00	116.00	117.00	116.00
C93017	110.00	124.00	120.00	140.00	137.00	150.00	136.00	139.00	140.00	SPILLED
C93018	125.00	132.00	141.00	SPILLED	144.00	140.00	131.00	131.00	126.00	134.00
C93019	127.00	133.00	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	152.00	SPILLED	SPILLED
C93020	125.00	146.00	157.00	141.00	143.00	SPILLED	147.00	SPILLED	134.00	SPILLED
C93021	121.00	131.00	139.00	SPILLED	141.00	140.00	136.00	135.00	124.00	138.00
C93022	120.00	143.00	131.00	148.00	151.00	135.00	140.00	136.00	131.00	141.00
C93023	91.00	109.00	115.00	111.00	120.00	SPILLED	SPILLED	117.00	SPILLED	SPILLED
C93024	129.00	131.00	145.00	148.00	142.00	141.00	136.00	135.00	125.00	132.00
C93025	137.00	141.00	165.00	151.00	139.00	162.00	147.00	159.00	SPILLED	155.00
C93026	106.00	119.00	123.00	134.00	144.00	135.00	130.00	130.00	SPILLED	143.00
C93027	112.00	121.00	129.00	136.00	142.00	151.00	135.00	134.00	128.00	125.00
C93028	110.00	122.00	125.00	126.00	SPILLED	SPILLED	133.00	129.00	132.00	134.00
C93029	111.00	128.00	123.00	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C93030	SPILLED	121.00	131.00	139.00	131.00	129.00	116.00	128.00	134.00	SPILLED
C93031	118.00	124.00	146.00	NOT TAKEN						
C93032	117.00	119.00	134.00	119.00	133.00	125.00	121.00	126.00	118.00	125.00
C93033	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	160.00	SPILLED	SPILLED
C93034	124.00	131.00	150.00	124.00	148.00	135.00	118.00	125.00	131.00	136.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 3 - 2 PPM										
C93035	SPILLED	143.00	186.00	152.00	165.00	70.00	142.00	160.00	SPILLED	138.00
C93036	111.00	134.00	SPILLED	125.00	155.00	129.00	129.00	134.00	SPILLED	135.00
C93037	119.00	126.00	134.00	141.00	146.00	144.00	137.00	126.00	134.00	124.00
C93038	130.00	117.00	144.00	SPILLED	SPILLED	SPILLED	121.00	141.00	141.00	SPILLED
C93039	119.00	136.00	155.00	144.00	151.00	149.00	143.00	145.00	146.00	151.00
C93040	SPILLED	SPILLED	173.00	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	208.00	SPILLED
C93041	132.00	146.00	161.00	150.00	SPILLED	SPILLED	151.00	149.00	164.00	154.00
C93042	128.00	130.00	143.00	159.00	164.00	142.00	141.00	147.00	127.00	137.00
C93043	118.00	127.00	131.00	131.00	148.00	143.00	143.00	133.00	136.00	134.00
C93044	123.00	SPILLED	SPILLED	136.00	128.00	117.00	126.00	SPILLED	118.00	126.00
C93045	SPILLED	222.00	SPILLED	NOT TAKEN						
C93046	142.00	156.00	SPILLED	182.00	153.00	207.00	SPILLED	SPILLED	157.00	148.00
C93047	147.00	154.00	148.00	210.00	187.00	SPILLED	161.00	152.00	137.00	144.00
C93048	118.00	121.00	119.00	133.00	127.00	127.00	SPILLED	125.00	118.00	132.00
C93049	116.00	125.00	123.00	122.00	129.00	121.00	118.00	SPILLED	133.00	127.00
C93050	118.00	129.00	148.00	163.00	157.00	150.00	152.00	153.00	SPILLED	SPILLED
GROUP: FEMALE 4 - 5 PPM										
C93051	125.00	SPILLED	152.00	SPILLED	SPILLED	SPILLED	129.00	140.00	129.00	171.00
C93052	129.00	SPILLED	142.00	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C93053	115.00	116.00	128.00	121.00	137.00	119.00	136.00	141.00	143.00	133.00
C93054	SPILLED	SPILLED	126.00	125.00	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C93055	136.00	130.00	139.00	145.00	145.00	135.00	130.00	SPILLED	144.00	SPILLED
C93056	129.00	SPILLED	133.00	135.00	141.00	134.00	133.00	128.00	138.00	130.00
C93057	136.00	124.00	141.00	133.00	136.00	128.00	127.00	117.00	124.00	131.00
C93058	151.00	153.00	159.00	NOT TAKEN						
C93059	135.00	136.00	148.00	138.00	144.00	132.00	139.00	132.00	130.00	133.00
C93060	135.00	160.00	148.00	135.00	TECH SPILL	135.00	146.00	137.00	128.00	122.00
C93061	116.00	123.00	131.00	123.00	130.00	131.00	129.00	132.00	121.00	SPILLED
C93062	112.00	117.00	124.00	132.00	130.00	123.00	129.00	129.00	125.00	123.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 4 - 5 PPM										
C93063	118.00	134.00	128.00	SPILLED	139.00	122.00	118.00	115.00	114.00	126.00
C93064	118.00	125.00	131.00	126.00	126.00	119.00	126.00	132.00	131.00	128.00
C93065	112.00	112.00	120.00	125.00	119.00	116.00	117.00	119.00	SPILLED	119.00
C93066	121.00	121.00	138.00	124.00	SPILLED	SPILLED	SPILLED	SPILLED	135.00	127.00
C93067	122.00	119.00	149.00	NOT TAKEN						
C93068	122.00	SPILLED	138.00	124.00	136.00	122.00	122.00	128.00	129.00	128.00
C93069	149.00	188.00	172.00	161.00	159.00	143.00	143.00	144.00	151.00	137.00
C93070	151.00	SPILLED	168.00	NOT TAKEN						
C93071	110.00	106.00	115.00	110.00	106.00	105.00	114.00	113.00	114.00	115.00
C93072	125.00	138.00	145.00	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	154.00
C93073	139.00	138.00	146.00	143.00	155.00	138.00	146.00	142.00	144.00	134.00
C93074	138.00	167.00	180.00	138.00	SPILLED	165.00	149.00	147.00	150.00	160.00
C93075	123.00	123.00	136.00	NOT TAKEN						
C93076	124.00	127.00	160.00	139.00	156.00	SPILLED	146.00	138.00	140.00	146.00
C93077	123.00	127.00	140.00	132.00	131.00	129.00	138.00	132.00	125.00	126.00
C93078	128.00	136.00	136.00	142.00	151.00	146.00	141.00	143.00	142.00	148.00
C93079	139.00	190.00	143.00	167.00	154.00	147.00	161.00	193.00	140.00	148.00
C93080	129.00	133.00	136.00	130.00	152.00	128.00	120.00	122.00	124.00	111.00
C93081	125.00	113.00	124.00	116.00	123.00	126.00	120.00	127.00	117.00	135.00
C93082	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	156.00	SPILLED	SPILLED	143.00
C93083	133.00	133.00	140.00	134.00	168.00	142.00	144.00	142.00	152.00	135.00
C93084	115.00	119.00	126.00	NOT TAKEN						
C93085	129.00	SPILLED	141.00	133.00	163.00	133.00	SPILLED	124.00	129.00	SPILLED
C93086	148.00	SPILLED	SPILLED	141.00	151.00	130.00	137.00	SPILLED	SPILLED	137.30
C93087	SPILLED	144.00	159.00	120.00	SPILLED	123.00	125.00	SPILLED	109.00	SPILLED
C93088	131.00	126.00	133.00	130.00	132.00	118.00	129.00	116.00	119.00	135.00
C93089	157.00	150.00	156.00	204.00	159.00	SPILLED	SPILLED	156.00	143.00	155.00
C93090	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	123.00	122.00	111.00	123.00
C93091	133.00	135.00	132.00	151.00	128.00	136.00	133.00	121.00	134.00	135.00
C93092	130.00	129.00	143.00	SPILLED	134.00	139.00	134.00	127.00	130.00	135.00
C93093	146.00	136.00	140.00	143.00	154.00	SPILLED	158.00	156.00	166.00	158.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 4 - 5 PPM										
C93094	134.00	161.00	142.00	191.00	135.00	171.00	137.00	128.00	135.00	137.00
C93095	134.00	128.00	138.00	141.00	155.00	SPILLED	SPILLED	SPILLED	124.00	127.00
C93096	146.00	SPILLED	177.00	SPILLED	181.00	171.00	169.00	161.00	158.00	168.00
C93097	109.00	114.00	120.00	132.00	132.00	128.00	136.00	SPILLED	SPILLED	SPILLED
C93098	128.00	SPILLED	146.00	SPILLED	127.00	128.00	121.00	SPILLED	SPILLED	136.00
C93099	123.00	132.00	138.00	131.00	129.00	120.00	119.00	127.00	116.00	115.00
C93100	156.00	162.00	158.00	162.00	150.00	SPILLED	148.00	144.00	150.00	151.00
C93101	111.00	SPILLED	121.00	122.00	124.00	129.00	SPILLED	125.00	123.00	119.00
C93102	152.00	159.00	159.00	155.00	170.00	156.00	158.00	165.00	157.00	SPILLED
C93103	126.00	142.00	139.00	128.00	151.00	139.00	124.00	143.00	138.00	128.00
C93104	141.00	155.00	162.00	166.00	184.00	SPILLED	204.00	SPILLED	208.00	SPILLED
C93105	171.00	153.00	154.00	143.00	170.00	133.00	140.00	139.00	132.00	153.00
C93106	119.00	124.00	124.00	124.00	130.00	125.00	126.00	117.00	117.00	129.00
C93107	121.00	125.00	SPILLED	136.00	136.00	135.00	138.00	132.00	122.00	127.00
C93108	121.00	127.00	122.00	122.00	124.00	118.00	127.00	125.00	128.00	136.00
C93109	121.00	125.00	129.00	132.00	138.00	126.00	132.00	133.00	126.00	130.00
C93110	SPILLED	180.00	SPILLED	SPILLED	207.00	199.00	SPILLED	SPILLED	SPILLED	SPILLED
GROUP: FEMALE 5 - 20 PPM										
C93111	137.00	152.00	159.00	149.00	145.00	136.00	141.00	136.00	128.00	SPILLED
C93112	137.00	142.00	137.00	132.00	135.00	129.00	125.00	119.00	111.00	124.00
C93113	SPILLED	SPILLED	SPILLED	119.00	120.00	110.00	119.00	124.00	120.00	129.00
C93114	126.00	140.00	135.00	NOT TAKEN						
C93115	108.00	118.00	118.00	112.00	130.00	109.00	111.00	114.00	107.00	115.00
C93116	118.00	121.00	124.00	126.00	SPILLED	121.00	SPILLED	SPILLED	116.00	122.00
C93117	113.00	117.00	SPILLED	122.00	SPILLED	SPILLED	121.00	122.00	SPILLED	123.00
C93118	108.00	121.00	124.00	126.00	128.00	110.00	123.00	113.00	118.00	119.00
C93119	118.00	112.00	113.00	116.00	116.00	106.00	106.00	96.00	101.00	107.00
C93120	131.00	133.00	128.00	122.00	SPILLED	124.00	120.00	122.00	107.00	124.00
C93121	SPILLED	105.00	106.00	97.00	SPILLED	SPILLED	108.00	99.00	98.00	103.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 5 - 20 PPM										
C93122	134.00	151.00	SPILLED	134.00	157.00	124.00	125.00	SPILLED	138.00	130.00
C93123	127.00	150.00	131.00	NOT TAKEN						
C93124	SPILLED	SPILLED	151.00	SPILLED	SPILLED	SPILLED	127.00	109.00	118.00	138.00
C93125	104.00	118.00	120.00	119.00	122.00	117.00	SPILLED	124.00	104.00	122.00
C93126	103.00	104.00	SPILLED	103.00	108.00	101.00	133.00	101.00	100.00	102.00
C93127	125.00	122.00	123.00	134.00	125.00	108.00	126.00	128.00	111.00	121.00
C93128	106.00	126.00	114.00	121.00	119.00	113.00	122.00	115.00	120.00	116.00
C93129	128.00	136.00	146.00	147.00	146.00	139.00	134.00	131.00	134.00	125.00
C93130	128.00	137.00	133.00	149.00	144.00	124.00	141.00	138.00	131.00	133.00
C93131	133.00	131.00	135.00	127.00	131.00	130.00	122.00	124.00	124.00	117.00
C93132	130.00	129.00	129.00	120.00	123.00	112.00	116.00	106.00	115.00	126.00
C93133	129.00	124.00	124.00	118.00	120.00	105.00	SPILLED	113.00	112.00	116.00
C93134	139.00	126.00	124.00	128.00	132.00	134.00	125.00	128.00	117.00	127.00
C93135	136.00	132.00	140.00	137.00	147.00	129.00	134.00	131.00	131.00	127.00
C93136	125.00	118.00	111.00	116.00	121.00	115.00	113.00	120.00	114.00	126.00
C93137	124.00	143.00	141.00	120.00	136.00	128.00	132.00	121.00	114.00	126.00
C93138	117.00	122.00	121.00	121.00	126.00	117.00	123.00	119.00	122.00	122.00
C93139	133.00	137.00	SPILLED	124.00	134.00	SPILLED	117.00	111.00	116.00	125.00
C93140	130.00	140.00	153.00	138.00	152.00	138.00	136.00	145.00	126.00	138.00
C93141	130.00	SPILLED	162.00	SPILLED	182.00	139.00	SPILLED	166.00	SPILLED	145.00
C93142	149.00	135.00	142.00	NOT TAKEN						
C93143	132.00	145.00	SPILLED	SPILLED	153.00	SPILLED	158.00	SPILLED	137.00	SPILLED
C93144	SPILLED	122.00	125.00	NOT TAKEN						
C93145	110.00	110.00	SPILLED	128.00	SPILLED	130.00	123.00	SPILLED	123.00	115.00
C93146	115.00	105.00	105.00	106.00	SPILLED	SPILLED	125.00	105.00	SPILLED	118.00
C93147	118.00	124.00	122.00	128.00	132.00	129.00	128.00	118.00	119.00	116.00
C93148	126.00	126.00	118.00	116.00	126.00	129.00	147.00	135.00	136.00	132.00
C93149	113.00	SPILLED	134.00	133.00	154.00	SPILLED	SPILLED	150.00	155.00	SPILLED
C93150	160.00	171.00	160.00	159.00	163.00	142.00	139.00	147.00	152.00	149.00
C93151	126.00	123.00	122.00	111.00	129.00	122.00	124.00	123.00	133.00	123.00
C93152	133.00	146.00	SPILLED	128.00	126.00	136.00	SPILLED	129.00	128.00	123.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 5 - 20 PPM										
C93153	SPILLED	SPILLED	152.00	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C93154	130.00	136.00	130.00	128.00	137.00	129.00	129.00	127.00	126.00	130.00
C93155	131.00	145.00	152.00	115.00	131.00	128.00	147.00	159.00	130.00	SPILLED
C93156	115.00	117.00	118.00	109.00	118.00	111.00	118.00	112.00	107.00	111.00
C93157	130.00	123.00	145.00	126.00	137.00	134.00	134.00	125.00	131.00	133.00
C93158	124.00	128.00	122.00	118.00	137.00	116.00	111.00	126.00	123.00	129.00
C93159	118.00	114.00	118.00	NOT TAKEN						
C93160	140.00	148.00	151.00	148.00	161.00	146.00	147.00	148.00	144.00	144.00
C93161	119.00	SPILLED	SPILLED	136.00	138.00	SPILLED	SPILLED	130.00	SPILLED	128.00
C93162	149.00	159.00	169.00	141.00	146.00	149.00	138.00	SPILLED	146.00	SPILLED
C93163	111.00	121.00	SPILLED	118.00	120.00	120.00	115.00	106.00	107.00	113.00
C93164	133.00	125.00	109.00	SPILLED	SPILLED	118.00	116.00	SPILLED	116.00	112.00
C93165	124.00	129.00	128.00	122.00	135.00	126.00	121.00	115.00	119.00	117.00
C93166	129.00	132.00	135.00	145.00	142.00	140.00	SPILLED	139.00	127.00	134.00
C93167	110.00	135.00	133.00	122.00	138.00	122.00	120.00	131.00	111.00	123.00
C93168	129.00	149.00	136.00	139.00	146.00	141.00	132.00	123.00	116.00	SPILLED
C93169	122.00	127.00	126.00	137.00	134.00	120.00	123.00	117.00	121.00	112.00
C93170	122.00	130.00	137.00	132.00	153.00	133.00	130.00	SPILLED	140.00	SPILLED
C93171	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C93172	120.00	116.00	119.00	SPILLED	123.00	119.00	130.00	115.00	SPILLED	128.00
C93173	118.00	133.00	142.00	109.00	125.00	116.00	SPILLED	SPILLED	130.00	SPILLED
C93174	119.00	SPILLED	SPILLED	125.00	135.00	123.00	SPILLED	SPILLED	SPILLED	SPILLED
C93175	118.00	133.00	127.00	114.00	127.00	111.00	125.00	109.00	118.00	119.00
C93176	112.00	117.00	124.00	122.00	129.00	116.00	120.00	113.00	113.00	113.00
C93177	118.00	117.00	118.00	115.00	118.00	111.00	119.00	111.00	134.00	127.00
C93178	SPILLED	127.00	134.00	137.00	126.00	121.00	123.00	112.00	118.00	116.00
C93179	115.00	116.00	115.00	114.00	120.00	114.00	113.00	111.00	113.00	SPILLED
C93180	SPILLED	153.00	SPILLED	138.00	148.00	137.00	135.00	139.00	SPILLED	140.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 6 - 20 PPM										
C93181	124.00	122.00	126.00	119.00	135.00	132.00	130.00	132.00	129.00	131.00
C93182	119.00	124.00	132.00	123.00	126.00	107.00	119.00	107.00	120.00	112.00
C93183	129.00	121.00	133.00	127.00	132.00	136.00	128.00	125.00	126.00	140.00
C93184	115.00	108.00	124.00	127.00	129.00	117.00	123.00	120.00	113.00	114.00
C93185	SPILLED	164.00	SPILLED	SPILLED	SPILLED	143.00	133.00	149.00	137.00	149.00
C93186	114.00	117.00	123.00	115.00	112.00	119.00	107.00	107.00	109.00	120.00
C93187	126.00	132.00	119.00	140.00	122.00	125.00	131.00	118.00	123.00	117.00
C93188	140.00	129.00	140.00	113.00	130.00	120.00	125.00	125.00	123.00	123.00
C93189	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	120.00	127.00	124.00	125.00	125.00
C93190	138.00	124.00	130.00	122.00	135.00	126.00	128.00	120.00	127.00	132.00
C93191	132.00	151.00	129.00	143.00	142.00	138.00	146.00	151.00	134.00	151.00
C93192	115.00	111.00	109.00	129.00	121.00	114.00	120.00	106.00	101.00	111.00
C93193	126.00	137.00	138.00	132.00	133.00	131.00	123.00	116.00	105.00	126.00
C93194	130.00	133.00	152.00	157.00	153.00	146.00	155.00	138.00	150.00	176.00
C93195	152.00	SPILLED	143.00	129.00	131.00	125.00	126.00	SPILLED	156.00	126.00
C93196	112.00	134.00	SPILLED	SPILLED	SPILLED	SPILLED	120.00	112.00	118.00	113.00
C93197	106.00	102.00	103.00	105.00	102.00	101.00	105.00	99.00	106.00	108.00
C93198	128.00	127.00	131.00	140.00	138.00	126.00	122.00	108.00	120.00	124.00
C93199	127.00	118.00	126.00	118.00	121.00	119.00	109.00	115.00	111.00	113.00
C93200	133.00	125.00	132.00	143.00	152.00	125.00	SPILLED	SPILLED	201.00	SPILLED
C93201	SPILLED	121.00	130.00	119.00	122.00	109.00	107.00	SPILLED	117.00	111.00
C93202	100.00	121.00	120.00	124.00	127.00	SPILLED	107.00	SPILLED	SPILLED	SPILLED
C93203	130.00	130.00	120.00	141.00	128.00	144.00	132.00	SPILLED	132.00	122.00
C93204	143.00	138.00	147.00	140.00	144.00	134.00	132.00	128.00	125.00	135.00
C93205	137.00	SPILLED	160.00	131.00	135.00	130.00	139.00	128.00	130.00	135.00
C93206	127.00	112.00	114.00	105.00	126.00	SPILLED	115.00	SPILLED	SPILLED	127.00
C93207	122.00	128.00	123.00	118.00	125.00	110.00	118.00	124.00	115.00	114.00
C93208	122.00	118.00	128.00	112.00	120.00	100.00	120.00	109.00	104.00	108.00
C93209	121.00	123.00	SPILLED	SPILLED	SPILLED	SPILLED	107.00	SPILLED	120.00	SPILLED
C93210	141.00	128.00	125.00	161.00	138.00	SPILLED	126.00	127.00	127.00	121.00
C93211	101.00	SPILLED	116.00	116.00	117.00	106.00	110.00	112.00	124.00	122.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 6 - 20 PPM										
C93212	114.00	135.00	131.00	137.00	141.00	125.00	140.00	133.00	135.00	142.00
C93213	121.00	123.00	130.00	126.00	125.00	119.00	117.00	113.00	116.00	117.00
C93214	116.00	117.00	113.00	SPILLED	SPILLED	SPILLED	117.00	114.00	119.00	120.00
C93215	145.00	124.00	SPILLED	128.00	133.00	126.00	122.00	125.00	119.00	121.00
C93216	113.00	109.00	118.00	115.00	122.00	114.00	114.00	110.00	118.00	112.00
C93217	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	153.00	145.00	132.00	130.00	137.00
C93218	127.00	117.00	139.00	119.00	124.00	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C93219	141.00	151.00	161.00	153.00	155.00	SPILLED	SPILLED	139.00	129.00	SPILLED
C93220	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP:	MALE 1 - 0 PPM									
C92501	SPILLED	223.00	221.00	222.00	217.00	213.00	214.00	194.00	197.00	188.00
C92502	182.00	174.00	165.00	174.00	181.00	179.00	179.00	161.00	157.00	168.00
C92503	187.00	177.00	177.00	175.00	178.00	185.00	165.00	169.00	173.00	170.00
C92504	190.00	118.00	163.00	165.00	173.00	169.00	187.00	188.00	162.00	159.00
C92505	194.00	SPILLED	186.00	190.00	194.00	201.00	191.00	172.00	174.00	179.00
C92507	184.00	171.00	180.00	175.00	174.00	171.00	168.00	162.00	160.00	158.00
C92508	180.00	173.00	169.00	153.00	177.00	183.00	187.00	170.00	180.00	169.00
C92509	178.00	179.00	172.00	NOT TAKEN						
C92510	202.00	207.00	203.00	207.00	194.00	SPILLED	192.00	173.00	170.00	188.00
C92511	135.00	SPILLED	231.00	NOT TAKEN						
C92512	191.00	190.00	182.00	183.00	196.00	192.00	199.00	189.00	184.00	169.00
C92513	187.00	177.00	170.00	174.00	176.00	181.00	184.00	182.00	179.00	171.00
C92514	211.00	213.00	206.00	220.00	218.00	209.00	226.00	200.00	199.00	188.00
C92515	187.00	185.00	173.00	181.00	190.00	181.00	178.00	166.00	160.00	153.00
C92516	167.00	173.00	162.00	161.00	160.00	172.00	164.00	163.00	165.00	178.00
C92517	217.00	204.00	191.00	197.00	203.00	212.00	216.00	204.00	210.00	190.00
C92518	203.00	200.00	206.00	205.00	206.00	207.00	232.00	212.00	208.00	203.00
C92519	168.00	173.00	162.00	165.00	168.00	171.00	163.00	153.00	152.00	156.00
C92520	192.00	199.00	189.00	192.00	205.00	204.00	196.00	182.00	175.00	174.00
C92521	184.00	187.00	185.00	NOT TAKEN						
C92522	166.00	SPILLED	157.00	156.00	160.00	162.00	162.00	140.00	152.00	158.00
C92523	174.00	172.00	169.00	166.00	175.00	174.00	188.00	181.00	176.00	167.00
C92525	185.00	184.00	174.00	181.00	187.00	186.00	186.00	181.00	169.00	166.00
C92527	189.00	189.00	181.00	157.00	187.00	188.00	188.00	174.00	175.00	170.00
C92528	175.00	SPILLED	169.00	NOT TAKEN						
C92530	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C92531	SPILLED	SPILLED	SPILLED	207.00	SPILLED	SPILLED	219.00	212.00	198.00	169.00
C92532	SPILLED	236.00	234.00	NOT TAKEN						
C92533	212.00	204.00	199.00	194.00	203.00	201.00	195.00	186.00	194.00	178.00
C92534	180.00	169.00	165.00	175.00	173.00	172.00	173.00	190.00	181.00	171.00
C92535	203.00	193.00	187.00	181.00	209.00	199.00	190.00	173.00	174.00	187.00
C92536	175.00	178.00	188.00	186.00	186.00	185.00	196.00	175.00	186.00	169.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: MALE 1 - 0 PPM										
C92537	212.00	219.00	212.00	189.00	212.00	217.00	227.00	212.00	204.00	210.00
C92538	193.00	203.00	204.00	205.00	196.00	194.00	209.00	210.00	218.00	193.00
C92539	218.00	211.00	215.00	215.00	215.00	218.00	227.00	219.00	211.00	204.00
C92540	210.00	208.00	198.00	203.00	205.00	208.00	214.00	217.00	211.00	200.00
C92541	198.00	203.00	190.00	191.00	192.00	197.00	201.00	202.00	193.00	180.00
C92542	180.00	184.00	184.00	181.00	189.00	184.00	190.00	192.00	SPILLED	170.00
C92543	170.00	172.00	166.00	172.00	173.00	167.00	173.00	168.00	170.00	166.00
C92544	211.00	208.00	190.00	197.00	201.00	205.00	197.00	185.00	SPILLED	180.00
C92545	201.00	184.00	182.00	187.00	199.00	198.00	187.00	188.00	180.00	181.00
C92547	201.00	199.00	196.00	191.00	194.00	196.00	193.00	184.00	176.00	173.00
C92548	177.00	176.00	172.00	181.00	185.00	182.00	SPILLED	179.00	176.00	179.00
C92549	163.00	162.00	157.00	163.00	166.00	170.00	161.00	168.00	161.00	150.00
C92550	205.00	204.00	208.00	208.00	217.00	217.00	221.00	217.00	219.00	209.00
C92551	165.00	172.00	163.00	164.00	172.00	169.00	174.00	163.00	162.00	159.00
C92552	193.00	193.00	189.00	204.00	194.00	196.00	191.00	192.00	195.00	186.00
C92553	148.00	149.00	143.00	146.00	146.00	146.00	137.00	127.00	119.00	126.00
C92554	162.00	157.00	151.00	158.00	161.00	161.00	163.00	154.00	147.00	142.00
C92555	205.00	215.00	215.00	214.00	211.00	211.00	222.00	217.00	195.00	193.00
C92556	176.00	182.00	171.00	177.00	178.00	184.00	180.00	168.00	182.00	166.00
C92557	202.00	SPILLED	195.00	198.00	203.00	187.00	199.00	212.00	183.00	174.00
C92558	203.00	202.00	200.00	185.00	211.00	209.00	205.00	196.00	201.00	196.00
C92559	181.00	178.00	175.00	178.00	182.00	180.00	178.00	177.00	182.00	168.00
C92560	185.00	184.00	191.00	182.00	192.00	194.00	198.00	194.00	208.00	191.00
C92561	182.00	187.00	174.00	181.00	175.00	176.00	187.00	180.00	173.00	178.00
C92562	193.00	SPILLED	SPILLED	170.00	190.00	198.00	185.00	184.00	196.00	176.00
C92563	SPILLED	225.00	SPILLED	202.00	222.00	215.00	228.00	215.00	224.00	217.00
C92564	193.00	203.00	199.00	197.00	197.00	203.00	201.00	195.00	202.00	188.00
C92565	209.00	200.00	SPILLED	187.00	197.00	196.00	197.00	208.00	208.00	185.00
C92566	193.00	195.00	189.00	174.00	189.00	191.00	182.00			
C92567	179.00	175.00	185.00	180.00	177.00	167.00	191.00	171.00	176.00	173.00
C92568	198.00	195.00	187.00	184.00	186.00	194.00	196.00	174.00	186.00	190.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: MALE 1 - 0 PPM										
C92569	177.00	181.00	168.00	176.00	193.00	194.00	195.00	183.00	175.00	168.00
C92570	199.00	184.00	192.00	194.00	188.00	195.00	198.00	192.00	177.00	174.00
GROUP: MALE 2 - 0.5 PPM										
C92571	220.00	221.00	215.00	212.00	217.00	199.00	195.00	179.00	173.00	188.00
C92572	200.00	204.00	196.00	205.00	200.00	199.00	208.00	193.00	196.00	194.00
C92573	204.00	208.00	201.00	198.00	207.00	207.00	202.00	199.00	202.00	202.00
C92576	186.00	190.00	192.00	186.00	190.00	198.00	213.00	181.00	194.00	193.00
C92577	198.00	203.00	199.00	199.00	195.00	209.00	217.00	205.00	197.00	197.00
C92578	196.00	190.00	192.00	200.00	192.00	196.00	206.00	197.00	189.00	188.00
C92579	207.00	206.00	205.00	194.00	200.00	195.00	208.00	197.00	192.00	186.00
C92580	192.00	200.00	194.00	192.00	190.00	193.00	206.00	179.00	181.00	181.00
C92581	183.00	190.00	190.00	185.00	184.00	183.00	195.00	184.00	178.00	186.00
C92582	156.00	157.00	148.00	150.00	156.00	158.00	160.00	150.00	170.00	167.00
C92583	174.00	169.00	160.00	145.00	181.00	170.00	167.00	167.00	164.00	164.00
C92584	165.00	175.00	176.00	167.00	179.00	167.00	170.00	162.00	173.00	174.00
C92585	CNTMD	CNTMD	202.00	186.00	CNTMD	191.00	212.00	211.00	200.00	184.00
C92586	179.00	181.00	189.00	194.00	184.00	197.00	220.00	195.00	193.00	203.00
C92587	199.00	197.00	198.00	206.00	205.00	213.00	219.00	219.00	207.00	196.00
C92588	SPILLED	181.00	182.00	183.00	197.00	194.00	SPILLED	185.00	172.00	170.00
C92589	203.00	192.00	189.00	194.00	193.00	190.00	196.00	193.00	189.00	183.00
C92590	204.00	213.00	212.00	211.00	214.00	206.00	199.00	204.00	SPILLED	182.00
C92591	166.00	166.00	164.00	166.00	165.00	171.00	182.00	174.00	178.00	174.00
C92592	178.00	173.00	169.00	182.00	175.00	181.00	184.00	186.00	181.00	177.00
C92593	175.00	166.00	164.00	NOT TAKEN						
C92594	196.00	194.00	186.00	185.00	195.00	195.00	195.00	187.00	185.00	177.00
C92595	TECH SPILL	173.00	164.00	169.00	182.00	178.00	166.00	164.00	170.00	159.00
C92596	195.00	191.00	195.00	190.00	189.00	192.00	203.00	202.00	197.00	193.00
C92597	SPILLED	182.00	185.00	179.00	191.00	199.00	192.00	190.00	202.00	182.00
C92598	186.00	183.00	181.00	159.00	176.00	182.00	198.00	179.00	192.00	180.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: MALE 2 - 0.5 PPM										
C92599	216.00	211.00	213.00	215.00	210.00	210.00	216.00	208.00	215.00	225.00
C92600	177.00	170.00	172.00	NOT TAKEN						
C92601	160.00	164.00	165.00	162.00	166.00	176.00	178.00	180.00	178.00	176.00
C92602	170.00	177.00	172.00	173.00	174.00	168.00	178.00	165.00	173.00	165.00
C92603	197.00	200.00	184.00	190.00	178.00	195.00				
C92604	187.00	188.00	187.00	188.00	189.00	196.00	198.00	193.00	195.00	196.00
C92605	197.00	199.00	189.00	195.00	194.00	202.00	187.00	198.00	191.00	185.00
C92606	196.00	197.00	186.00	183.00	182.00	195.00	207.00	187.00	173.00	180.00
C92607	207.00	203.00	208.00	213.00	205.00	208.00	212.00	208.00	180.00	199.00
C92608	SPILLED	227.00	212.00	199.00	125.00	170.00	217.00	208.00	201.00	201.00
C92609	176.00	173.00	171.00	178.00	180.00	184.00	193.00	193.00	198.00	194.00
C92611	170.00	173.00	162.00	168.00	171.00	164.00	167.00	168.00	154.00	165.00
C92612	185.00	178.00	172.00	159.00	184.00	184.00	189.00	122.00	175.00	183.00
C92614	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C92615	190.00	193.00	188.00	187.00	191.00	190.00	189.00	196.00	187.00	182.00
C92616	175.00	168.00	174.00	NOT TAKEN						
C92617	208.00	218.00	201.00	208.00	213.00	209.00	213.00	212.00	207.00	201.00
C92619	177.00	172.00	175.00	178.00	182.00	171.00	173.00	159.00	160.00	163.00
C92620	153.00	162.00	185.00	175.00	164.00	170.00	167.00	160.00	160.00	162.00
C92621	SPILLED	211.00	204.00	NOT TAKEN						
C92622	186.00	185.00	172.00	179.00	179.00	191.00	183.00	190.00	179.00	177.00
C92623	159.00	163.00	156.00	154.00	161.00	172.00	168.00	160.00	158.00	153.00
C92624	182.00	169.00	178.00	162.00	179.00	184.00	180.00	178.00	183.00	187.00
C92625	217.00	213.00	202.00	205.00	215.00	214.00	202.00	205.00	195.00	185.00
C92626	197.00	192.00	186.00	186.00	180.00	152.00	188.00	195.00	164.00	SPILLED
C92627	SPILLED	SPILLED	SPILLED	NOT TAKEN						
C92628	214.00	SPILLED	SPILLED	222.00	SPILLED	212.00	221.00	211.00	213.00	SPILLED
C92629	SPILLED	211.00	206.00	191.00	210.00	217.00	230.00	201.00	213.00	207.00
C92630	237.00	229.00	232.00	230.00	235.00	239.00	SPILLED	231.00	SPILLED	SPILLED

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: MALE 3 - 2 PPM										
C92631	178.00	182.00	179.00	177.00	177.00	188.00	182.00	180.00	181.00	169.00
C92632	203.00	199.00	195.00	197.00	238.00	205.00	209.00	220.00	202.00	196.00
C92633	173.00	176.00	173.00	173.00	171.00	182.00	193.00	186.00	182.00	177.00
C92634	184.00	183.00	186.00	200.00	205.00	183.00	201.00	198.00	182.00	177.00
C92635	SPILLED	206.00	194.00	194.00	189.00	191.00	191.00	201.00	189.00	190.00
C92636	SPILLED	193.00	202.00	179.00	SPILLED	206.00	202.00	189.00	187.00	191.00
C92637	153.00	159.00	157.00	160.00	164.00	163.00	169.00	165.00	159.00	162.00
C92638	229.00	SPILLED	216.00	229.00	214.00	230.00	227.00	244.00	227.00	228.00
C92639	177.00	179.00	181.00	182.00	182.00	189.00	183.00	198.00	186.00	173.00
C92640	158.00	161.00	160.00	NOT TAKEN						
C92641	135.00	169.00	190.00	199.00	199.00	212.00	206.00	206.00	165.00	176.00
C92642	182.00	184.00	191.00	179.00	184.00	186.00	175.00	174.00	179.00	173.00
C92643	173.00	171.00	174.00	176.00	168.00	SPILLED	169.00	179.00	171.00	169.00
C92644	172.00	173.00	168.00	154.00	180.00	178.00	172.00	168.00	164.00	177.00
C92645	194.00	204.00	208.00	NOT TAKEN						
C92647	167.00	172.00	172.00	166.00	177.00	180.00	176.00	176.00	169.00	175.00
C92648	153.00	159.00	157.00	166.00	170.00	170.00	174.00	167.00	165.00	161.00
C92649	170.00	178.00	182.00	179.00	182.00	179.00	190.00	172.00	169.00	171.00
C92651	197.00	205.00	196.00	176.00	198.00	202.00	189.00	202.00	191.00	193.00
C92653	185.00	188.00	190.00	194.00	187.00	183.00	199.00	186.00	189.00	193.00
C92654	188.00	200.00	192.00	197.00	196.00	190.00	180.00	190.00	182.00	182.00
C92655	SPILLED	SPILLED	SPILLED	246.00	SPILLED	SPILLED	237.00	239.00	238.00	229.00
C92656	181.00	191.00	194.00	183.00	190.00	190.00	186.00	180.00	178.00	175.00
C92657	SPILLED	SPILLED	190.00	186.00	192.00	187.00	201.00	190.00	179.00	182.00
C92658	189.00	198.00	197.00	193.00	196.00	189.00	201.00	180.00	184.00	186.00
C92659	197.00	207.00	204.00	194.00	218.00	208.00	209.00	195.00	200.00	198.00
C92660	179.00	172.00	171.00	179.00	173.00	176.00	203.00	198.00	177.00	SPILLED
C92661	161.00	164.00	169.00	154.00	189.00	187.00	178.00	180.00	177.00	166.00
C92662	164.00	163.00	172.00	NOT TAKEN						
C92663	205.00	210.00	216.00	217.00	212.00	214.00	214.00	224.00	210.00	208.00
C92664	195.00	196.00	192.00	195.00	194.00	200.00	209.00	195.00	179.00	193.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: MALE 3 - 2 PPM										
C92665	198.00	194.00	206.00	200.00	203.00	206.00	195.00	196.00	193.00	197.00
C92666	212.00	224.00	220.00	215.00	212.00	228.00	225.00	248.00	236.00	SPILLED
C92667	210.00	211.00	217.00	214.00	197.00	206.00	215.00	199.00	202.00	198.00
C92669	SPILLED	207.00	206.00	SPILLED	218.00	200.00	194.00	191.00	186.00	187.00
C92670	171.00	175.00	178.00	172.00	173.00	171.00	175.00	163.00	164.00	158.00
C92671	189.00	184.00	186.00	183.00	189.00	191.00	188.00	182.00	179.00	184.00
C92672	174.00	179.00	170.00	180.00	183.00	182.00	169.00	180.00	166.00	172.00
C92673	182.00	188.00	192.00	186.00	184.00	186.00	187.00	175.00	164.00	174.00
C92674	SPILLED	191.00	195.00	203.00	209.00	198.00	201.00	207.00	182.00	186.00
C92675	189.00	180.00	181.00	180.00	180.00	190.00	188.00	187.00	178.00	188.00
C92676	175.00	166.00	168.00	NOT TAKEN						
C92677	166.00	162.00	165.00	169.00	175.00	180.00	189.00	181.00	182.00	181.00
C92679	194.00	189.00	195.00	191.00	200.00	202.00	205.00	198.00	202.00	202.00
C92680	204.00	217.00	209.00	203.00	205.00	193.00	200.00	190.00	187.00	181.00
C92681	180.00	183.00	174.00	179.00	180.00	193.00	181.00	187.00	SPILLED	174.00
C92682	175.00	174.00	179.00	158.00	181.00	177.00	190.00	177.00	173.00	179.00
C92683	189.00	189.00	189.00	190.00	190.00	181.00	199.00	200.00	191.00	195.00
C92684	182.00	102.00	167.00	NOT TAKEN						
C92685	189.00	178.00	184.00	194.00	194.00	191.00	195.00	189.00	177.00	188.00
C92686	172.00	173.00	178.00	184.00	175.00	181.00	189.00	186.00	183.00	173.00
C92687	203.00	203.00	206.00	204.00	208.00	196.00	201.00	202.00	199.00	193.00
C92688	SPILLED	201.00	201.00	SPILLED	SPILLED	198.00	SPILLED	SPILLED	SPILLED	198.00
C92689	168.00	152.00	160.00	168.00	178.00	176.00	175.00	180.00	166.00	161.00
C92690	211.00	210.00	215.00	216.00	215.00	206.00	224.00	198.00	203.00	204.00
GROUP: MALE 4 - 5 PPM										
C92691	178.00	173.00	171.00	171.00	186.00	186.00	192.00	184.00	178.00	178.00
C92692	174.00	177.00	180.00	182.00	177.00	175.00	169.00	161.00	167.00	161.00
C92693	192.00	184.00	178.00	186.00	193.00	189.00	179.00	177.00	171.00	178.00
C92694	176.00	170.00	155.00	172.00	181.00	189.00	189.00	168.00	174.00	176.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: MALE 4 - 5 PPM										
C92695	182.00	183.00	177.00	178.00	180.00	185.00	180.00	174.00	179.00	170.00
C92696	196.00	SPILLED	192.00	182.00	188.00	189.00	191.00	187.00	SPILLED	155.00
C92697	213.00	212.00	212.00	SPILLED	199.00	212.00	216.00	206.00	190.00	196.00
C92698	192.00	192.00	197.00	198.00	200.00	189.00	202.00	184.00	176.00	183.00
C92699	166.00	168.00	165.00	167.00	166.00	169.00	121.00	164.00	150.00	173.00
C92700	150.00	150.00	153.00	151.00	151.00	157.00	162.00	143.00	159.00	SPILLED
C92701	174.00	177.00	179.00	179.00	174.00	175.00	186.00	169.00	176.00	172.00
C92702	166.00	169.00	163.00	165.00	167.00	167.00	164.00	159.00	159.00	169.00
C92703	214.00	222.00	215.00	216.00	210.00	222.00	219.00	204.00	195.00	189.00
C92704	189.00	186.00	181.00	189.00	185.00	191.00	187.00	175.00	179.00	171.00
C92705	192.00	191.00	184.00	192.00	198.00	190.00	197.00	188.00	189.00	178.00
C92706	172.00	179.00	175.00	176.00	181.00	172.00	171.00	169.00	181.00	188.00
C92707	160.00	154.00	154.00	154.00	159.00	160.00	164.00	154.00	155.00	163.00
C92708	174.00	159.00	178.00	175.00	182.00	180.00	173.00	161.00	159.00	160.00
C92709	177.00	176.00	177.00	172.00	184.00	180.00	178.00	173.00	171.00	160.00
C92710	194.00	197.00	186.00	188.00	191.00	187.00	184.00	174.00	179.00	167.00
C92711	169.00	170.00	172.00	146.00	177.00	183.00	176.00	170.00	168.00	170.00
C92712	202.00	198.00	204.00	222.00	224.00	215.00	SPILLED	220.00	219.00	215.00
C92713	197.00	200.00	193.00	NOT TAKEN						
C92714	208.00	203.00	206.00	NOT TAKEN						
C92716	193.00	199.00	197.00	171.00	SPILLED	203.00	204.00	193.00	189.00	195.00
C92717	187.00	196.00	189.00	195.00	198.00	208.00	204.00	187.00	190.00	194.00
C92719	180.00	181.00	184.00	NOT TAKEN						
C92720	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	239.00	SPILLED	227.00	224.00	216.00
C92721	161.00	164.00	168.00	163.00	170.00	180.00	164.00	167.00	171.00	162.00
C92722	203.00	208.00	202.00	NOT TAKEN						
C92723	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	215.00	SPILLED	223.00	SPILLED	SPILLED
C92724	SPILLED	SPILLED	248.00	SPILLED	SPILLED	255.00	235.00	232.00	SPILLED	216.00
C92725	170.00	164.00	164.00	167.00	163.00	165.00	167.00	154.00	151.00	153.00
C92726	187.00	182.00	181.00	160.00	203.00	190.00	173.00	188.00	181.00	170.00
C92727	180.00	194.00	194.00	174.00	181.00	195.00	196.00	193.00	178.00	189.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: MALE 4 - 5 PPM										
C92728	219.00	220.00	215.00	NOT TAKEN						
C92729	210.00	216.00	224.00	216.00	207.00	212.00	217.00	212.00	209.00	208.00
C92730	SPILLED	177.00	173.00	179.00	185.00	186.00	174.00	183.00	185.00	176.00
C92732	190.00	201.00	197.00	195.00	198.00	206.00	197.00	182.00	189.00	184.00
C92733	176.00	171.00	174.00	187.00	192.00	178.00	202.00	191.00	198.00	181.00
C92735	181.00	183.00	183.00	187.00	187.00	199.00	179.00	172.00	174.00	183.00
C92736	170.00	174.00	176.00	176.00	181.00	175.00	185.00	182.00	178.00	175.00
C92737	181.00	177.00	173.00	181.00	186.00	182.00	185.00	174.00	179.00	180.00
C92738	184.00	183.00	176.00	181.00	187.00	170.00	173.00	183.00	171.00	172.00
C92739	SPILLED	182.00	174.00	171.00	174.00	181.00	184.00	188.00	173.00	174.00
C92740	188.00	187.00	185.00	186.00	184.00	185.00	185.00	171.00	168.00	179.00
C92741	181.00	178.00	182.00	167.00	188.00	183.00	204.00	186.00	SPILLED	SPILLED
C92742	208.00	207.00	208.00	203.00	206.00	203.00	189.00	188.00	188.00	194.00
C92743	SPILLED	203.00	208.00	213.00	213.00	212.00	220.00	196.00	197.00	208.00
C92745	203.00	205.00	204.00	211.00	210.00	220.00	214.00	213.00	199.00	229.00
C92746	SPILLED	SPILLED	184.00	181.00	194.00	192.00	198.00	190.00	189.00	191.00
C92747	180.00	187.00	182.00	189.00	190.00	185.00	182.00	177.00	181.00	176.00
C92748	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	238.00	229.00	214.00	209.00
C92749	SPILLED	175.00	156.00	175.00	182.00	179.00	181.00	168.00	179.00	170.00
C92750	SPILLED	185.00	182.00	185.00	189.00	182.00	183.00	177.00	179.00	177.00
GROUP: MALE 5 - 20 PPM										
C92751	177.00	164.00	185.00	184.00	196.00	199.00	196.00	190.00	187.00	188.00
C92753	154.00	SPILLED	202.00	SPILLED	SPILLED	218.00	SPILLED	199.00	159.00	177.00
C92754	153.00	166.00	158.00	142.00	159.00	154.00	162.00	149.00	152.00	157.00
C92755	170.00	170.00	171.00	175.00	176.00	179.00	180.00	173.00	168.00	172.00
C92756	224.00	244.00	237.00	SPILLED	SPILLED	239.00	SPILLED	245.00	SPILLED	215.00
C92757	169.00	165.00	161.00	163.00	165.00	176.00	182.00	188.00	173.00	175.00
C92758	161.00	162.00	164.00	162.00	166.00	167.00	175.00	157.00	154.00	155.00
C92760	184.00	199.00	187.00	188.00	181.00	179.00	189.00	176.00	185.00	176.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: MALE 5 - 20 PPM										
C92761	171.00	167.00	172.00	174.00	164.00	177.00	186.00	179.00	175.00	188.00
C92762	198.00	195.00	177.00	176.00	177.00	175.00	191.00	171.00	178.00	181.00
C92763	196.00	208.00	198.00	206.00	206.00	204.00	208.00	206.00	217.00	211.00
C92764	220.00	234.00	215.00	221.00	212.00	225.00	211.00	213.00	217.00	213.00
C92765	188.00	181.00	187.00	NOT TAKEN						
C92766	170.00	174.00	171.00	175.00	183.00	176.00	189.00	188.00	177.00	175.00
C92767	225.00	227.00	223.00	188.00	224.00	SPILLED	239.00	238.00	235.00	242.00
C92768	190.00	188.00	184.00	184.00	191.00	186.00	196.00	179.00	184.00	SPILLED
C92769	193.00	199.00	194.00	197.00	201.00	199.00	220.00	200.00	188.00	199.00
C92770	191.00	195.00	180.00	180.00	183.00	182.00	184.00	173.00	189.00	187.00
C92771	171.00	SPILLED	166.00	181.00	178.00	167.00	188.00	184.00	184.00	176.00
C92772	171.00	187.00	183.00	181.00	187.00	188.00	187.00	181.00	189.00	185.00
C92773	158.00	163.00	152.00	153.00	159.00	161.00	160.00	153.00	167.00	163.00
C92774	180.00	190.00	195.00	172.00	203.00	192.00	190.00	186.00	161.00	175.00
C92775	202.00	207.00	202.00	205.00	199.00	204.00	212.00	198.00	199.00	201.00
C92776	182.00	187.00	191.00	190.00	190.00	177.00	189.00	173.00	178.00	178.00
C92777	171.00	177.00	173.00	NOT TAKEN						
C92778	183.00	191.00	189.00	187.00	192.00	190.00	185.00	172.00	173.00	180.00
C92780	SPILLED	174.00	187.00	187.00	181.00	178.00	185.00	182.00	194.00	188.00
C92781	166.00	158.00	170.00	175.00	173.00	161.00	162.00	168.00	160.00	167.00
C92782	174.00	174.00	173.00	179.00	182.00	179.00	172.00	172.00	166.00	165.00
C92783	186.00	188.00	187.00	189.00	187.00	195.00	192.00	190.00	199.00	193.00
C92784	183.00	190.00	179.00	165.00	187.00	189.00	176.00	172.00	183.00	185.00
C92785	183.00	175.00	180.00	174.00	178.00	180.00	175.00	162.00	167.00	164.00
C92786	177.00	178.00	168.00	169.00	181.00	186.00	188.00	178.00	183.00	182.00
C92787	SPILLED	199.00	SPILLED	SPILLED	SPILLED	198.00	199.00	196.00	215.00	218.00
C92788	192.00	183.00	188.00	200.00	198.00	189.00	194.00	178.00	188.00	180.00
C92789	SPILLED	173.00	147.00	NOT TAKEN						
C92790	180.00	179.00	182.00	185.00	179.00	166.00	175.00	168.00	171.00	171.00
C92791	169.00	169.00	170.00	173.00	176.00	182.00	189.00	178.00	185.00	183.00
C92792	179.00	183.00	180.00	177.00	183.00	190.00	185.00	180.00	169.00	178.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: MALE 5 - 20 PPM										
C92794	164.00	160.00	165.00	161.00	161.00	159.00	155.00	161.00	149.00	159.00
C92795	178.00	174.00	164.00	173.00	181.00	187.00	182.00	171.00	175.00	175.00
C92796	150.00	148.00	147.00	151.00	159.00	161.00	151.00	158.00	157.00	159.00
C92797	165.00	171.00	167.00	174.00	175.00	180.00	197.00	187.00	183.00	188.00
C92799	191.00	190.00	202.00	NOT TAKEN						
C92800	SPILLED	173.00	174.00	171.00	171.00	171.00	172.00	158.00	165.00	159.00
C92801	197.00	195.00	192.00	191.00	205.00	196.00	188.00	203.00	208.00	204.00
C92802	176.00	174.00	176.00	175.00	181.00	185.00	180.00	175.00	185.00	193.00
C92803	178.00	176.00	178.00	179.00	182.00	185.00	185.00	182.00	180.00	193.00
C92804	178.00	175.00	182.00	188.00	182.00	185.00	187.00	179.00	175.00	186.00
C92805	193.00	191.00	194.00	190.00	192.00	185.00	192.00	181.00	181.00	178.00
C92806	166.00	178.00	181.00	167.00	163.00	176.00	171.00	168.00	187.00	178.00
C92807	176.00	172.00	170.00	173.00	189.00	184.00	173.00	166.00	167.00	171.00
C92808	155.00	147.00	153.00	154.00	159.00	160.00	157.00	150.00	158.00	154.00
C92809	190.00	183.00	198.00	196.00	201.00	195.00	195.00	168.00	177.00	170.00
C92810	177.00	176.00	179.00	181.00	188.00	176.00	171.00	172.00	173.00	176.00
C92811	197.00	TECH SPILL	187.00	197.00	205.00	210.00	209.00	200.00	202.00	198.00
C92812	167.00	169.00	169.00	NOT TAKEN						
C92813	190.00	174.00	183.00	191.00	185.00	184.00	182.00	180.00	184.00	199.00
C92814	130.00	129.00	125.00	135.00	135.00	145.00	132.00	125.00	140.00	136.00
C92815	SPILLED	SPILLED	SPILLED	195.00	SPILLED	200.00	SPILLED	185.00	199.00	195.00
C92816	152.00	148.00	150.00	154.00	152.00	149.00	148.00	145.00	157.00	146.00
C92817	197.00	195.00	199.00	199.00	201.00	201.00	213.00	202.00	211.00	222.00
C92818	174.00	167.00	169.00	172.00	176.00	180.00	180.00	166.00	165.00	177.00
C92819	152.00	144.00	150.00	162.00	157.00	162.00	167.00	151.00	158.00	165.00
C92820	SPILLED	232.00	227.00	176.00	214.00	199.00	177.00	155.00	194.00	200.00
GROUP: MALE 6 - 20 PPM										
C92821	172.00	186.00	182.00	173.00	174.00	162.00	170.00	SPILLED	203.00	178.00
C92822	162.00	163.00	160.00	174.00	173.00	166.00	183.00	163.00	176.00	169.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: MALE 6 - 20 PPM										
C92823	175.00	174.00	170.00	174.00	181.00	187.00	154.00	126.00	174.00	164.00
C92824	182.00	182.00	182.00	191.00	187.00	193.00	189.00	180.00	SPILLED	SPILLED
C92825	243.00	211.00	215.00	223.00	224.00	SPILLED	243.00	227.00	230.00	SPILLED
C92826	174.00	202.00	188.00	195.00	189.00	188.00	205.00	193.00	192.00	187.00
C92827	177.00	178.00	188.00	205.00	199.00	195.00	190.00	187.00	180.00	180.00
C92828	180.00	176.00	181.00	191.00	187.00	180.00	194.00	185.00	182.00	181.00
C92829	196.00	201.00	203.00	208.00	210.00	206.00	208.00	195.00	199.00	202.00
C92830	182.00	186.00	192.00	194.00	194.00	187.00	144.00	170.00	174.00	177.00
C92831	189.00	195.00	192.00	164.00	197.00	200.00	192.00	190.00	176.00	170.00
C92832	SPILLED	161.00	163.00	170.00	164.00	153.00	162.00	156.00	151.00	159.00
C92833	179.00	177.00	181.00	191.00	188.00	186.00	185.00	181.00	177.00	182.00
C92834	176.00	174.00	165.00	175.00	177.00	178.00	185.00	183.00	178.00	181.00
C92835	160.00	157.00	156.00	162.00	171.00	169.00	172.00	163.00	166.00	166.00
C92836	198.00	179.00	175.00	189.00	190.00	177.00	180.00	167.00	176.00	178.00
C92837	182.00	178.00	177.00	175.00	184.00	171.00	195.00	180.00	184.00	197.00
C92838	174.00	174.00	181.00	189.00	180.00	177.00	178.00	174.00	180.00	181.00
C92839	232.00	236.00	242.00	236.00	248.00	248.00	237.00	238.00	231.00	240.00
C92840	153.00	152.00	160.00	158.00	162.00	161.00	153.00	155.00	159.00	160.00
C92841	167.00	156.00	120.00	169.00	171.00	161.00	160.00	147.00	152.00	146.00
C92842	189.00	180.00	184.00	183.00	166.00	184.00	187.00	181.00	173.00	182.00
C92843	195.00	185.00	183.00	175.00	186.00	200.00	209.00	175.00	188.00	179.00
C92844	143.00	132.00	136.00	140.00	144.00	151.00	158.00	147.00	151.00	141.00
C92845	194.00	186.00	SPILLED	196.00	188.00	190.00	195.00	182.00	182.00	183.00
C92846	194.00	194.00	194.00	180.00	186.00	196.00	192.00	176.00	SPILLED	207.00
C92847	213.00	213.00	212.00	210.00	216.00	206.00	211.00	203.00	197.00	200.00
C92848	170.00	169.00	180.00	SPILLED	172.00	166.00	172.00	177.00	169.00	164.00
C92849	SPILLED	SPILLED	SPILLED	SPILLED	214.00	221.00	SPILLED	225.00	SPILLED	SPILLED
C92850	181.00	178.00	SPILLED	185.00	181.00	SPILLED	SPILLED	180.00	SPILLED	SPILLED
C92851	168.00	170.00	169.00	176.00	188.00	188.00	178.00	173.00	184.00	210.00
C92852	191.00	180.00	173.00	165.00	170.00	180.00	169.00	158.00	165.00	186.00
C92853	164.00	159.00	159.00	165.00	160.00	170.00	181.00	169.00	172.00	178.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: MALE 6 - 20 PPM										
C92854	186.00	185.00	181.00	184.00	187.00	186.00	195.00	189.00	197.00	183.00
C92855	183.00	171.00	179.00	247.00	195.00	183.00	153.00	169.00	179.00	167.00
C92856	167.00	160.00	169.00	171.00	174.00	171.00	166.00	164.00	166.00	168.00
C92857	172.00	168.00	171.00	178.00	179.00	183.00	181.00	163.00	167.00	164.00
C92858	191.00	186.00	189.00	188.00	192.00	186.00	193.00	193.00	188.00	SPILLED
C92859	180.00	179.00	176.00	182.00	184.00	177.00	190.00	192.00	185.00	187.00
C92860	173.00	167.00	166.00	175.00	172.00	171.00	179.00	174.00	168.00	163.00
GROUP: FEMALE 1 - 0 PPM										
C92862	119.00	122.00	125.00	128.00	129.00	121.00	105.00	118.00	119.00	124.00
C92863	119.00	130.00	122.00	99.00	115.00	117.00	123.00	117.00	110.00	145.00
C92865	128.00	154.00	137.00	132.00	151.00	139.00	165.00	151.00	142.00	151.00
C92866	118.00	126.00	121.00	116.00	122.00	121.00	125.00	121.00	127.00	128.00
C92867	158.00	150.00	128.00	114.00	130.00	132.00	132.00	139.00	151.00	167.00
C92868	154.00	149.00	151.00	139.00	143.00	118.00	154.00	134.00	118.00	127.00
C92869	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C92870	128.00	132.00	129.00	130.00	142.00	131.00	137.00	137.00	138.00	146.00
C92871	138.00	SPILLED	143.00	125.00	SPILLED	144.00	SPILLED	SPILLED	141.00	129.00
C92872	109.00	102.00	102.00	105.00	102.00	107.00	155.00	SPILLED	SPILLED	154.00
C92873	133.00	133.00	125.00	135.00	134.00	123.00	145.00	114.00	122.00	114.00
C92874	126.00	126.00	118.00	122.00	122.00	128.00	126.00	115.00	117.00	133.00
C92875	132.00	142.00	125.00	140.00	140.00	146.00	SPILLED	136.00	148.00	142.00
C92876	112.00	110.00	114.00	115.00	125.00	105.00	130.00	125.00	134.00	114.00
C92877	SPILLED	SPILLED	142.00	SPILLED	144.00	157.00	143.00	147.00	123.00	126.00
C92878	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C92879	148.00	135.00	134.00	162.00	140.00	135.00	141.00	140.00	135.00	145.00
C92880	133.00	148.00	147.00	NOT TAKEN						
C92881	151.00	169.00	SPILLED	140.00	140.00	130.00	107.00	156.00	143.00	139.00
C92882	103.00	107.00	108.00	106.00	110.00	112.00	127.00	94.00	116.00	115.00
C92883	154.00	164.00	139.00	156.00	140.00	134.00	151.00	139.00	125.00	130.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: FEMALE 1 - 0 PPM										
C92884	SPILLED	143.00	128.00	129.00	135.00	138.00	159.00	174.00	148.00	132.00
C92885	144.00	141.00	143.00	135.00	145.00	137.00	141.00	127.00	131.00	127.00
C92886	119.00	128.00	122.00	120.00	120.00	127.00	136.00	121.00	137.00	133.00
C92887	132.00	133.00	138.00	NOT TAKEN						
C92888	156.00	159.00	157.00	147.00	149.00	158.00	165.00	153.00	142.00	143.00
C92889	121.00	113.00	104.00	103.00	112.00	113.00	129.00	116.00	112.00	106.00
C92890	140.00	SPILLED	142.00	136.00	136.00	152.00	SPILLED	130.00	130.00	125.00
C92891	SPILLED	SPILLED	SPILLED	137.00	141.00	131.00	SPILLED	124.00	126.00	133.00
C92892	145.00	153.00	146.00	130.00	131.00	135.00	150.00	160.00	137.00	149.00
C92893	107.00	121.00	119.00	108.00	107.00	111.00	106.00	111.00	117.00	117.00
C92894	131.00	135.00	135.00	134.00	125.00	116.00	137.00	137.00	128.00	123.00
C92895	154.00	133.00	145.00	133.00	142.00	125.00	SPILLED	123.00	122.00	118.00
C92896	SPILLED	SPILLED	143.00	132.00	130.00	132.00	143.00	146.00	133.00	109.00
C92897	125.00	135.00	127.00	125.00	123.00	124.00	131.00	127.00	139.00	144.00
C92898	137.00	142.00	134.00	NOT TAKEN						
C92899	178.00	177.00	152.00	147.00	168.00	171.00	SPILLED	175.00	169.00	171.00
C92900	143.00	108.00	117.00	SPILLED	SPILLED	120.00	143.00	130.00	116.00	128.00
C92901	124.00	115.00	111.00	105.00	115.00	119.00	118.00	115.00	114.00	118.00
C92902	164.00	162.00	172.00	183.00	163.00	149.00	165.00	158.00	149.00	173.00
C92903	169.00	168.00	165.00	NOT TAKEN						
C92904	121.00	SPILLED	119.00	117.00	116.00	106.00	126.00	114.00	124.00	138.00
C92905	130.00	129.00	127.00	NOT TAKEN						
C92906	111.00	SPILLED	107.00	100.00	116.00	SPILLED	133.00	SPILLED	110.00	130.00
C92907	123.00	118.00	115.00	122.00	111.00	119.00	117.00	121.00	114.00	115.00
C92908	123.00	131.00	134.00	116.00	119.00	126.00	119.00	133.00	126.00	112.00
C92909	130.00	126.00	130.00	125.00	128.00	121.00	124.00	112.00	115.00	114.00
C92910	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	120.00
C92911	114.00	117.00	113.00	109.00	117.00	117.00	123.00	109.00	123.00	121.00
C92912	138.00	135.00	125.00	132.00	144.00	SPILLED	144.00	157.00	122.00	163.00
C92913	129.00	121.00	116.00	117.00	124.00	115.00	116.00	112.00	114.00	114.00
C92915	153.00	148.00	SPILLED	151.00	147.00	132.00	133.00	135.00	156.00	155.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: FEMALE 1 - 0 PPM										
C92916	169.00	175.00	SPILLED	183.00	SPILLED	192.00	172.00	148.00	159.00	170.00
C92917	174.00	161.00	165.00	162.00	166.00	158.00	170.00	162.00	156.00	160.00
C92918	123.00	123.00	123.00	132.00	125.00	121.00	116.00	111.00	132.00	119.00
C92920	205.00	SPILLED	144.00	SPILLED	144.00	177.00	173.00	148.00	146.00	125.00
C92921	SPILLED	156.00	146.00	151.00	SPILLED	131.00	145.00	153.00	148.00	159.00
C92922	SPILLED	149.00	135.00	136.00	132.00	126.00	148.00	146.00	145.00	142.00
C92923	145.00	SPILLED	127.00	122.00	124.00	123.00	138.00	123.00	119.00	132.00
C92924	153.00	SPILLED	SPILLED	SPILLED	151.00	SPILLED	SPILLED	137.00	118.00	138.00
C92925	134.00	137.00	139.00	129.00	129.00	128.00	141.00	121.00	146.00	140.00
C92927	172.00	111.00	SPILLED	132.00	155.00	157.00	151.00	SPILLED	157.00	159.00
C92928	141.00	142.00	134.00	138.00	144.00	148.00	157.00	136.00	126.00	148.00
C92929	117.00	119.00	121.00	115.00	118.00	120.00	117.00	126.00	120.00	145.00
C92930	193.00	195.00	197.00	195.00	190.00	186.00	191.00	183.00	176.00	187.00
GROUP: FEMALE 2 - 0.5 PPM										
C92931	141.00	130.00	139.00	129.00	143.00	144.00	150.00	150.00	162.00	164.00
C92932	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	146.00	SPILLED	173.00	175.00	246.00
C92933	165.00	162.00	148.00	134.00	142.00	155.00	155.00	156.00	159.00	160.00
C92934	150.00	SPILLED	134.00	SPILLED	130.00	131.00	126.00	127.00	123.00	118.00
C92935	127.00	124.00	123.00	101.00	117.00	120.00	127.00	123.00	111.00	144.00
C92936	108.00	120.00	113.00	108.00	114.00	113.00	101.00	98.00	111.00	107.00
C92937	133.00	145.00	138.00	138.00	140.00	139.00	150.00	144.00	144.00	141.00
C92938	138.00	SPILLED	196.00	SPILLED	146.00	SPILLED	SPILLED	SPILLED	125.00	SPILLED
C92939	118.00	SPILLED	SPILLED	SPILLED	154.00	SPILLED	SPILLED	SPILLED	130.00	SPILLED
C92940	SPILLED	SPILLED	SPILLED	SPILLED	176.00	138.00	130.00	123.00	120.00	120.00
C92942	145.00	SPILLED	151.00	SPILLED	156.00	SPILLED	147.00	140.00	142.00	142.00
C92943	131.00	137.00	144.00	162.00	153.00	145.00	130.00	112.00	127.00	151.00
C92944	178.00	SPILLED	SPILLED	NOT TAKEN						
C92946	109.00	110.00	115.00	99.00	109.00	114.00	94.00	115.00	100.00	117.00
C92947	144.00	130.00	136.00	98.00	125.00	128.00	133.00	106.00	114.00	115.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: FEMALE 2 - 0.5 PPM										
C92948	143.00	130.00	144.00	115.00	138.00	133.00	146.00	149.00	133.00	131.00
C92949	144.00	165.00	175.00	168.00	163.00	175.00	166.00	155.00	137.00	96.00
C92951	104.00	SPILLED	SPILLED	114.00	115.00	120.00	126.00	SPILLED	SPILLED	109.00
C92952	127.00	117.00	117.00	134.00	125.00	124.00	132.00	131.00	128.00	121.00
C92953	120.00	115.00	119.00	113.00	108.00	117.00	122.00	109.00	107.00	121.00
C92954	133.00	136.00	SPILLED	138.00	131.00	132.00	125.00	116.00	123.00	126.00
C92955	139.00	131.00	132.00	127.00	131.00	132.00	136.00	147.00	148.00	141.00
C92956	142.00	121.00	124.00	103.00	129.00	133.00	137.00	126.00	132.00	135.00
C92957	131.00	125.00	SPILLED	SPILLED	134.00	131.00	131.00	SPILLED	129.00	122.00
C92958	111.00	108.00	112.00	100.00	110.00	119.00	124.00	113.00	108.00	118.00
C92959	152.00	143.00	159.00	157.00	139.00	151.00	156.00	154.00	222.00	141.00
C92960	131.00	155.00	153.00	144.00	149.00	144.00	149.00	SPILLED	182.00	149.00
C92961	168.00	159.00	162.00	160.00	164.00	158.00	149.00	151.00	149.00	150.00
C92962	116.00	116.00	117.00	NOT TAKEN						
C92963	113.00	126.00	115.00	125.00	115.00	116.00	119.00	107.00	117.00	127.00
C92964	123.00	SPILLED	121.00	SPILLED	129.00	207.00	SPILLED	SPILLED	140.00	164.00
C92965	127.00	132.00	122.00	120.00	125.00	125.00	125.00	132.00	CNTMD	141.00
C92966	112.00	116.00	120.00	115.00	111.00	121.00	124.00	109.00	105.00	96.00
C92967	127.00	SPILLED	125.00	NOT TAKEN						
C92968	133.00	134.00	138.00	131.00	133.00	133.00	132.00	131.00	138.00	114.00
C92970	138.00	148.00	148.00	147.00	152.00	153.00	135.00	135.00	134.00	131.00
C92971	107.00	110.00	106.00	113.00	101.00	107.00	105.00	96.00	113.00	102.00
C92972	141.00	146.00	144.00	133.00	145.00	158.00	154.00	140.00	138.00	141.00
C92973	137.00	133.00	SPILLED	147.00	146.00	145.00	137.00	167.00	138.00	157.00
C92974	116.00	110.00	113.00	127.00	123.00	121.00	116.00	107.00	100.00	99.00
C92975	142.00	142.00	138.00	135.00	135.00	144.00	148.00	130.00	137.00	127.00
C92976	137.00	136.00	124.00	125.00	130.00	137.00	135.00	143.00	134.00	134.00
C92977	146.00	171.00	154.00	144.00	138.00	SPILLED	133.00	133.00	126.00	134.00
C92978	152.00	155.00	150.00	NOT TAKEN						
C92979	132.00	115.00	127.00	125.00	122.00	117.00	105.00	123.00	118.00	109.00
C92980	143.00	136.00	137.00	133.00	135.00	130.00	137.00	142.00	112.00	155.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: FEMALE 2 - 0.5 PPM										
C92981	127.00	SPILLED	128.00	129.00	131.00	120.00	123.00	154.00	111.00	144.00
C92983	141.00	136.00	141.00	SPILLED	126.00	126.00	162.00	125.00	129.00	135.00
C92984	136.00	133.00	132.00	123.00	126.00	125.00	137.00	128.00	127.00	118.00
C92985	136.00	136.00	150.00	133.00	130.00	SPILLED	144.00	134.00	125.00	165.00
C92986	128.00	120.00	126.00	109.00	127.00	130.00	123.00	116.00	117.00	111.00
C92987	121.00	125.00	124.00	NOT TAKEN						
C92988	139.00	123.00	136.00	145.00	140.00	133.00	130.00	127.00	153.00	124.00
C92989	SPILLED	SPILLED	SPILLED	SPILLED	153.00	SPILLED	161.00	163.00	207.00	SPILLED
C92990	146.00	143.00	134.00	146.00	139.00	139.00	124.00	126.00	138.00	195.00
GROUP: FEMALE 3 - 2 PPM										
C92991	111.00	110.00	108.00	115.00	111.00	119.00	119.00	114.00	137.00	134.00
C92992	129.00	120.00	119.00	SPILLED	136.00	133.00	139.00	141.00	146.00	152.00
C92993	131.00	130.00	125.00	NOT TAKEN						
C92994	122.00	130.00	117.00	112.00	128.00	122.00	128.00	112.00	113.00	112.00
C92997	119.00	114.00	113.00	SPILLED	118.00	SPILLED	SPILLED	125.00	133.00	126.00
C92998	146.00	146.00	145.00	147.00	145.00	152.00	139.00	146.00	159.00	142.00
C92999	SPILLED	SPILLED	142.00	SPILLED	161.00	SPILLED	SPILLED	130.00	145.00	147.00
C93000	129.00	149.00	126.00	NOT TAKEN						
C93001	128.00	135.00	125.00	123.00	128.00	128.00	144.00	159.00	171.00	153.00
C93002	126.00	131.00	124.00	130.00	114.00	131.00	138.00	128.00	137.00	140.00
C93003	115.00	132.00	132.00	130.00	140.00	130.00	147.00	129.00	154.00	125.00
C93004	126.00	130.00	125.00	124.00	129.00	124.00	121.00	118.00	107.00	121.00
C93005	119.00	121.00	130.00	142.00	141.00	130.00	162.00	147.00	137.00	146.00
C93007	123.00	SPILLED	111.00	124.00	126.00	115.00	118.00	120.00	125.00	114.00
C93009	SPILLED	168.00	129.00	142.00	125.00	127.00	123.00	141.00	156.00	146.00
C93010	148.00	146.00	142.00	SPILLED	150.00	180.00	142.00	130.00	129.00	162.00
C93011	130.00	122.00	117.00	125.00	123.00	131.00	116.00	116.00	114.00	130.00
C93012	147.00	136.00	138.00	140.00	149.00	149.00	154.00	150.00	157.00	151.00
C93013	117.00	128.00	110.00	131.00	114.00	124.00	110.00	139.00	108.00	118.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: FEMALE 3 - 2 PPM										
C93014	135.00	155.00	139.00	133.00	144.00	131.00	140.00	116.00	141.00	149.00
C93015	134.00	SPILLED	SPILLED	SPILLED	140.00	SPILLED	SPILLED	SPILLED	132.00	152.00
C93016	99.00	SPILLED	118.00	118.00	SPILLED	146.00	SPILLED	SPILLED	193.00	167.00
C93017	144.00	142.00	146.00	155.00	147.00	145.00	140.00	128.00	146.00	145.00
C93018	136.00	130.00	128.00	NOT TAKEN						
C93019	140.00	SPILLED	SPILLED	SPILLED	SPILLED	147.00	158.00	SPILLED	155.00	155.00
C93020	131.00	197.00	137.00	154.00	143.00	136.00	145.00	161.00	144.00	119.00
C93021	135.00	118.00	124.00	128.00	116.00	128.00	149.00	138.00	134.00	134.00
C93022	134.00	120.00	122.00	131.00	118.00	125.00	119.00	118.00	117.00	138.00
C93023	SPILLED	SPILLED	SPILLED	NOT TAKEN						
C93024	139.00	140.00	131.00	130.00	146.00	135.00	127.00	129.00	132.00	126.00
C93025	166.00	169.00	167.00	166.00	182.00	134.00	174.00	136.00	168.00	140.00
C93026	139.00	135.00	123.00	109.00	120.00	121.00	130.00	130.00	129.00	134.00
C93027	122.00	131.00	126.00	157.00	123.00	125.00	120.00	124.00	119.00	119.00
C93028	133.00	123.00	SPILLED	SPILLED	SPILLED	134.00	SPILLED	130.00	SPILLED	SPILLED
C93029	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	171.00	SPILLED
C93030	136.00	SPILLED	132.00	121.00	144.00	SPILLED	135.00	136.00	124.00	146.00
C93032	123.00	131.00	126.00	115.00	124.00	133.00	139.00	135.00	137.00	138.00
C93033	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	194.00	SPILLED	162.00
C93034	149.00	SPILLED	137.00	130.00	126.00	135.00	114.00	129.00	131.00	134.00
C93035	145.00	138.00	131.00	NOT TAKEN						
C93036	SPILLED	129.00	123.00	SPILLED	136.00	117.00	134.00	144.00	139.00	123.00
C93037	129.00	133.00	130.00	134.00	134.00	166.00	116.00	107.00	119.00	114.00
C93038	SPILLED	SPILLED	131.00	133.00	134.00	140.00	128.00	128.00	123.00	129.00
C93039	152.00	142.00	144.00	140.00	132.00	125.00	127.00	126.00	131.00	132.00
C93040	SPILLED	SPILLED	SPILLED	131.00	SPILLED	SPILLED	119.00	144.00	155.00	141.00
C93041	165.00	SPILLED	163.00	SPILLED	146.00	154.00	173.00	180.00	170.00	160.00
C93042	137.00	138.00	135.00	149.00	129.00	112.00	170.00	158.00	166.00	155.00
C93043	142.00	149.00	148.00	143.00	157.00	147.00	139.00	156.00	140.00	155.00
C93044	125.00	115.00	114.00	120.00	120.00	SPILLED	125.00	SPILLED	195.00	SPILLED
C93046	116.00	169.00	149.00	138.00	142.00	167.00	149.00	148.00	TECH SPILL	SPILLED

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: FEMALE 3 - 2 PPM										
C93047	155.00	152.00	142.00	149.00	157.00	152.00	138.00	130.00	141.00	176.00
C93048	128.00	SPILLED	133.00	126.00	125.00	143.00	130.00	129.00	SPILLED	127.00
C93049	124.00	121.00	121.00	123.00	121.00	124.00	123.00	115.00	120.00	122.00
C93050	141.00	SPILLED	153.00	SPILLED	150.00	164.00	148.00	150.00	140.00	145.00
GROUP: FEMALE 4 - 5 PPM										
C93051	128.00	143.00	129.00	NOT TAKEN						
C93052	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	134.00	SPILLED
C93053	144.00	132.00	129.00	143.00	133.00	151.00	145.00	150.00	144.00	145.00
C93054	SPILLED	SPILLED	132.00	142.00	127.00	SPILLED	133.00	133.00	135.00	134.00
C93055	SPILLED	191.00	137.00	SPILLED	134.00	132.00	133.00	124.00	138.00	161.00
C93056	126.00	125.00	128.00	125.00	129.00	130.00	136.00	128.00	145.00	146.00
C93057	130.00	129.00	134.00	134.00	137.00	128.00	120.00	132.00	131.00	136.00
C93059	136.00	136.00	129.00	133.00	130.00	141.00	129.00	122.00	125.00	134.00
C93060	141.00	140.00	130.00	134.00	136.00	128.00	118.00	124.00	111.00	125.00
C93061	137.00	116.00	125.00	123.00	134.00	129.00	144.00	153.00	156.00	156.00
C93062	128.00	121.00	121.00	120.00	124.00	121.00	125.00	121.00	129.00	SPILLED
C93063	122.00	112.00	127.00	119.00	125.00	121.00	112.00	108.00	113.00	121.00
C93064	132.00	122.00	121.00	NOT TAKEN						
C93065	118.00	131.00	116.00	121.00	118.00	122.00	118.00	117.00	114.00	104.00
C93066	137.00	126.00	127.00	126.00	131.00	126.00	SPILLED	SPILLED	158.00	SPILLED
C93068	129.00	131.00	124.00	126.00	126.00	128.00	125.00	134.00	116.00	134.00
C93069	144.00	143.00	146.00	141.00	138.00	140.00	147.00	165.00	146.00	155.00
C93071	115.00	112.00	110.00	NOT TAKEN						
C93072	160.00	159.00	SPILLED	139.00	SPILLED	142.00	149.00	141.00	147.00	151.00
C93073	143.00	141.00	144.00	137.00	146.00	151.00	145.00	139.00	137.00	133.00
C93074	180.00	SPILLED	156.00	SPILLED	155.00	165.00	171.00	155.00	148.00	140.00
C93076	SPILLED	132.00	SPILLED	108.00	SPILLED	SPILLED	136.00	134.00	135.00	118.00
C93077	135.00	127.00	125.00	119.00	116.00	119.00	141.00	140.00	139.00	136.00
C93078	135.00	170.00	SPILLED	SPILLED	138.00	144.00	165.00	130.00	134.00	141.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: FEMALE 4 - 5 PPM										
C93079	144.00	151.00	151.00	145.00	167.00	145.00	149.00	129.00	142.00	131.00
C93080	128.00	129.00	125.00	119.00	131.00	120.00	160.00	133.00	SPILLED	SPILLED
C93081	116.00	120.00	125.00	115.00	122.00	112.00	121.00	117.00	130.00	118.00
C93082	121.00	121.00	123.00	121.00	124.00	133.00	136.00	153.00	139.00	145.00
C93083	135.00	134.00	138.00	137.00	145.00	141.00	131.00	133.00	138.00	127.00
C93085	132.00	133.00	SPILLED	NOT TAKEN						
C93086	127.90	155.00	129.00	SPILLED	136.00	135.00	138.00	123.00	126.00	120.00
C93087	122.00	126.00	107.00	111.00	112.00	119.00	119.00	109.00	108.00	122.00
C93088	108.00	132.00	125.00	132.00	129.00	137.00	136.00	128.00	139.00	139.00
C93089	147.00	135.00	127.00	115.00	138.00	131.00	141.00	129.00	124.00	129.00
C93090	123.00	113.00	117.00	105.00	127.00	116.00	114.00	107.00	108.00	104.00
C93091	126.00	130.00	123.00	130.00	128.00	120.00	136.00	136.00	144.00	119.00
C93092	132.00	130.00	115.00	120.00	124.00	123.00	147.00	134.00	138.00	148.00
C93093	133.00	134.00	160.00	113.00	153.00	161.00	SPILLED	SPILLED	117.00	144.00
C93094	132.00	135.00	123.00	122.00	132.00	143.00	127.00	111.00	119.00	126.00
C93095	123.00	SPILLED	135.00	126.00	128.00	128.00	123.00	110.00	111.00	109.00
C93096	149.00	159.00	154.00	SPILLED	154.00	150.00	162.00	166.00	153.00	
C93097	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	141.00	138.00	136.00
C93098	120.00	131.00	117.00	134.00	117.00	122.00	125.00	120.00	111.00	120.00
C93099	123.00	114.00	123.00	118.00	118.00	125.00	109.00	129.00	134.00	142.00
C93100	156.00	149.00	156.00	143.00	145.00	154.00	157.00	142.00	131.00	137.00
C93101	119.00	111.00	98.00	107.00	113.00	108.00	SPILLED	103.00	109.00	109.00
C93102	SPILLED	SPILLED	147.00	SPILLED	154.00	155.00	168.00	151.00	SPILLED	159.00
C93103	137.00	130.00	139.00	130.00	124.00	127.00	144.00	100.00	134.00	182.00
C93104	SPILLED	211.00	192.00	SPILLED	SPILLED	184.00	180.00	178.00	165.00	163.00
C93105	137.00	143.00	134.00	123.00	129.00	130.00	130.00	118.00	114.00	117.00
C93106	122.00	113.00	110.00	108.00	119.00	115.00	121.00	117.00	125.00	120.00
C93107	125.00	117.00	110.00	115.00	118.00	118.00	120.00	108.00	114.00	118.00
C93108	120.00	SPILLED	114.00	109.00	116.00	119.00	SPILLED	110.00	103.00	105.00
C93109	133.00	129.00	115.00	NOT TAKEN						
C93110	199.00	200.00	212.00	SPILLED	202.00	SPILLED	194.00	199.00	210.00	169.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: FEMALE 5 - 20 PPM										
C93111	132.00	126.00	115.00	NOT TAKEN						
C93112	124.00	118.00	109.00	119.00	114.00	119.00	SPILLED	120.00	127.00	130.00
C93113	124.00	119.00	107.00	110.00	129.00	124.00	119.00	114.00	111.00	123.00
C93115	113.00	116.00	111.00	113.00	109.00	110.00	112.00	112.00	105.00	101.00
C93116	SPILLED	121.00	111.00	110.00	117.00	116.00	118.00	122.00	115.00	124.00
C93117	120.00	126.00	108.00	117.00	SPILLED	120.00	SPILLED	123.00	131.00	145.00
C93118	116.00	112.00	116.00	123.00	125.00	135.00	134.00	128.00	93.00	127.00
C93119	111.00	110.00	105.00	103.00	110.00	103.00	111.00	105.00	108.00	110.00
C93120	107.00	125.00	117.00	102.00	124.00	110.00	121.00	120.00	119.00	116.00
C93121	101.00	107.00	99.00	97.00	100.00	100.00	108.00	104.00	99.00	98.00
C93122	130.00	134.00	102.00	127.00	128.00	129.00	129.00	123.00	138.00	159.00
C93124	128.00	130.00	141.00	106.00	104.00	118.00	117.00	122.00	105.00	101.00
C93125	117.00	122.00	120.00	123.00	118.00	117.00	124.00	105.00	109.00	108.00
C93126	108.00	99.00	96.00	105.00	109.00	109.00	117.00	113.00	121.00	123.00
C93127	121.00	126.00	112.00	NOT TAKEN						
C93128	120.00	129.00	127.00	123.00	121.00	123.00	122.00	116.00	107.00	130.00
C93129	133.00	126.00	122.00	131.00	119.00	136.00	163.00	160.00	118.00	133.00
C93130	136.00	145.00	131.00	132.00	140.00	139.00	137.00	133.00	114.00	145.00
C93131	130.00	118.00	121.00	121.00	119.00	SPILLED	126.00	129.00	128.00	130.00
C93132	124.00	117.00	111.00	118.00	123.00	124.00	143.00	129.00	128.00	127.00
C93133	115.00	118.00	106.00	122.00	121.00	128.00	SPILLED	SPILLED	SPILLED	121.00
C93134	123.00	125.00	114.00	120.00	120.00	120.00	132.00	117.00	121.00	113.00
C93135	128.00	131.00	131.00	115.00	142.00	130.00	121.00	102.00	116.00	144.00
C93136	122.00	126.00	119.00	127.00	131.00	135.00	136.00	144.00	139.00	146.00
C93137	121.00	126.00	123.00	130.00	130.00	125.00	135.00	123.00	121.00	120.00
C93138	109.00	122.00	116.00	114.00	116.00	121.00	126.00	121.00	119.00	110.00
C93139	124.00	120.00	121.00	123.00	119.00	117.00	SPILLED	114.00	117.00	119.00
C93140	147.00	142.00	129.00	136.00	150.00	155.00	155.00	147.00	139.00	152.00
C93141	146.00	139.00	145.00	132.00	139.00	156.00	143.00	132.00	144.00	129.00
C93143	SPILLED	180.00	184.00	NOT TAKEN						
C93145	135.00	119.00	SPILLED	131.00	143.00	145.00	123.00	SPILLED	163.00	SPILLED

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: FEMALE 5 - 20 PPM										
C93146	112.00	109.00	112.00	SPILLED	102.00	111.00	125.00	101.00	85.00	103.00
C93147	110.00	121.00	116.00	116.00	119.00	120.00	121.00	116.00	111.00	111.00
C93148	143.00	135.00	143.00	131.00	137.00	137.00	144.00	153.00	143.00	135.00
C93149	124.00	SPILLED	SPILLED	148.00	122.00	119.00	124.00	113.00	110.00	120.00
C93150	SPILLED	161.00	150.00	129.00	151.00	133.00	144.00	139.00	142.00	137.00
C93151	122.00	120.00	116.00	117.00	121.00	117.00	128.00	125.00	117.00	116.00
C93152	126.00	130.00	125.00	129.00	131.00	123.00	SPILLED	SPILLED	SPILLED	131.00
C93153	SPILLED	217.00	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	124.00	136.00	114.00
C93154	122.00	117.00	120.00	114.00	120.00	119.00	115.00	109.00	108.00	117.00
C93155	SPILLED	SPILLED	210.00	NOT TAKEN						
C93156	113.00	108.00	108.00	105.00	107.00	107.00	108.00	106.00	108.00	116.00
C93157	134.00	139.00	123.00	120.00	125.00	124.00	132.00	118.00	130.00	122.00
C93158	124.00	124.00	128.00	126.00	122.00	128.00	136.00	133.00	134.00	134.00
C93160	141.00	153.00	147.00	148.00	150.00	146.00	152.00	137.00	170.00	178.00
C93161	128.00	124.00	SPILLED	117.00	136.00	123.00	126.00	119.00	126.00	125.00
C93162	SPILLED	SPILLED	123.00	100.00	118.00	SPILLED	SPILLED	SPILLED	129.00	136.00
C93163	109.00	112.00	111.00	110.00	110.00	109.00	143.00	131.00	109.00	109.00
C93164	114.00	116.00	112.00	106.00	115.00	121.00	113.00	114.00	111.00	114.00
C93165	109.00	116.00	110.00	117.00	115.00	113.00	115.00	110.00	110.00	116.00
C93166	130.00	138.00	128.00	120.00	139.00	124.00	136.00	146.00	SPILLED	121.00
C93167	125.00	125.00	126.00	128.00	127.00	129.00	124.00	135.00	129.00	122.00
C93168	108.00	SPILLED	114.00	121.00	117.00	124.00	SPILLED	102.00	111.00	115.00
C93169	122.00	120.00	116.00	NOT TAKEN						
C93170	SPILLED	172.00	126.00	SPILLED	168.00	151.00	SPILLED	SPILLED	220.00	190.00
C93171	SPILLED	SPILLED	117.00	SPILLED	136.00	120.00	116.00	111.00	123.00	132.00
C93172	120.00	123.00	132.00	SPILLED	123.00	122.00	126.00	136.00	134.00	122.00
C93173	118.00	117.00	SPILLED	110.00	115.00	117.00	113.00	137.00	115.00	105.00
C93174	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C93175	113.00	123.00	109.00	115.00	112.00	112.00	112.00	113.00	105.00	109.00
C93176	113.00	115.00	115.00	117.00	112.00	118.00	128.00	126.00	124.00	120.00
C93177	SPILLED	SPILLED	113.00	109.00	115.00	112.00	SPILLED	146.00	112.00	110.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: FEMALE 5 - 20 PPM										
C93178	115.00	115.00	119.00	103.00	126.00	118.00	125.00	110.00	108.00	105.00
C93179	126.00	127.00	135.00	111.00	116.00	133.00	122.00	108.00	113.00	117.00
C93180	126.00	133.00	134.00	137.00	148.00	138.00	151.00	137.00	131.00	132.00
GROUP: FEMALE 6 - 20 PPM										
C93181	127.00	126.00	132.00	124.00	126.00	122.00	135.00	127.00	124.00	125.00
C93182	105.00	108.00	119.00	112.00	116.00	105.00	123.00	104.00	102.00	106.00
C93183	126.00	128.00	131.00	127.00	135.00	126.00	130.00	125.00	129.00	117.00
C93184	114.00	113.00	112.00	113.00	115.00	116.00	120.00	121.00	115.00	112.00
C93185	123.00	140.00	SPILLED	137.00	130.00	143.00	138.00	143.00	66.00	148.00
C93186	107.00	105.00	105.00	119.00	110.00	112.00	124.00	107.00	96.00	120.00
C93187	135.00	127.00	128.00	126.00	136.00	SPILLED	170.00	152.00	144.00	135.00
C93188	122.00	123.00	131.00	124.00	125.00	138.00	142.00	138.00	138.00	131.00
C93189	121.00	118.00	115.00	134.00	113.00	121.00	123.00	115.00	108.00	115.00
C93190	129.00	132.00	124.00	127.00	130.00	123.00	128.00	127.00	130.00	142.00
C93191	128.00	127.00	128.00	131.00	127.00	133.00	139.00	140.00	128.00	141.00
C93192	121.00	124.00	116.00	114.00	120.00	120.00	SPILLED	112.00	119.00	127.00
C93193	123.00	125.00	126.00	134.00	123.00	131.00	144.00	146.00	135.00	143.00
C93194	158.00	165.00	165.00	SPILLED	158.00	178.00	SPILLED	120.00	125.00	134.00
C93195	121.00	120.00	121.00	120.00	121.00	116.00	SPILLED	117.00	125.00	125.00
C93196	119.00	110.00	116.00	125.00	118.00	120.00	120.00	125.00	111.00	118.00
C93197	103.00	115.00	108.00	111.00	108.00	100.00	SPILLED	SPILLED	93.00	99.00
C93198	115.00	133.00	133.00	125.00	124.00	124.00	130.00	117.00	116.00	129.00
C93199	117.00	119.00	118.00	109.00	111.00	112.00	117.00	108.00	109.00	117.00
C93200	SPILLED	SPILLED	SPILLED	SPILLED	180.00	SPILLED	145.00	130.00	116.00	117.00
C93201	111.00	134.00	125.00	117.00	123.00	SPILLED	SPILLED	SPILLED	169.00	160.00
C93202	108.00	114.00	SPILLED	SPILLED	106.00	144.00	114.00	104.00	99.00	103.00
C93203	125.00	126.00	115.00	136.00	146.00	133.00	166.00	137.00	143.00	136.00
C93204	128.00	123.00	124.00	127.00	122.00	124.00	126.00	118.00	118.00	119.00
C93205	168.00	133.00	129.00	133.00	138.00	124.00	132.00	117.00	111.00	116.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: FEMALE 6 - 20 PPM										
C93206	127.00	SPILLED	113.00	SPILLED	125.00	SPILLED	SPILLED	SPILLED	129.00	131.00
C93207	120.00	133.00	125.00	113.00	114.00	114.00	124.00	112.00	115.00	123.00
C93208	122.00	116.00	104.00	110.00	111.00	109.00	109.00	101.00	106.00	103.00
C93209	SPILLED	SPILLED	SPILLED	SPILLED	117.00	SPILLED	SPILLED	SPILLED	169.00	184.00
C93210	122.00	126.00	140.00	126.00	120.00	134.00	SPILLED	132.00	134.00	141.00
C93211	108.00	113.00	108.00	113.00	105.00	113.00	112.00	97.00	98.00	98.00
C93212	156.00	137.00	120.00	125.00	134.00	134.00	140.00	122.00	123.00	133.00
C93213	129.00	113.00	125.00	119.00	108.00	107.00	SPILLED	SPILLED	107.00	110.00
C93214	121.00	118.00	116.00	121.00	118.00	123.00	127.00	125.00	122.00	119.00
C93215	120.00	122.00	117.00	118.00	117.00	114.00	129.00	117.00	114.00	110.00
C93216	113.00	111.00	111.00	106.00	113.00	105.00	120.00	123.00	126.00	132.00
C93217	144.00	SPILLED	SPILLED	SPILLED	SPILLED	146.00	SPILLED	SPILLED	132.00	137.00
C93218	137.00	135.00	137.00	SPILLED	135.00	128.00	SPILLED	SPILLED	130.00	110.00
C93219	137.00	107.00	151.00	129.00	123.00	125.00	137.00	124.00	122.00	144.00
C93220	154.00	SPILLED	190.00	SPILLED	187.00	SPILLED	SPILLED	SPILLED	134.00	155.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: MALE 1 - 0 PPM										
C92501	192.00	182.00	196.00	197.00	197.00					
C92502	168.00	167.00	159.00	162.00	164.00	172.00	170.00	174.00	181.00	143.80
C92503	168.00	170.00	172.00	167.00	83.00	203.00	190.00	179.00	182.00	160.50
C92504	166.00	167.00	175.00	186.00	156.00					
C92505	188.00	205.00	188.00	180.00	182.00	195.00	190.00	192.00	191.00	186.70
C92507	158.00	164.00	163.00	157.00	159.00					
C92508	167.00	164.00	164.00	178.00	179.00	200.00	191.00	185.00	184.00	172.60
C92510	190.00	179.00	189.00	179.00	169.00	SPILLED	206.00	205.00	207.00	207.20
C92512	183.00	194.00	183.00	175.00	129.00					
C92513	189.00	186.00	188.00	193.00	194.00	193.00	186.00	184.00	195.00	194.90
C92514	204.00	202.00	186.00	189.00	176.00	189.00	164.00	229.00	231.00	219.70
C92515	161.00	163.00	104.00	173.00	170.00	172.00	169.00	173.00	175.00	176.40
C92516	161.00	161.00	170.00							
C92517	206.00	212.00	207.00	206.00	204.00					
C92518	214.00	217.00	208.00	208.00	214.00	222.00	233.00	220.00	235.00	228.10
C92519	160.00	159.00	155.00	153.00	152.00	164.00	173.00	183.00	187.00	189.10
C92520	182.00	184.00	187.00	193.00	178.00	186.00	197.00	177.00	139.00	SPILLED
C92522	163.00	163.00	173.00	154.00	173.00	182.00	173.00	175.00	190.00	168.00
C92523	174.00	177.00	177.00	171.00	177.00					
C92525	175.00	176.00	175.00	178.00	165.00	180.00	44.00	48.00	130.00	NOT TAKEN
C92527	171.00	172.00	178.00	182.00	169.00	183.00	172.00	195.00	193.00	196.00
C92530	225.00	206.00	SPILLED	209.00	224.00	227.00	236.00	190.00	226.00	227.90
C92531	189.00	165.00	145.00	SPILLED	182.00	SPILLED	SPILLED	168.00	NOT TAKEN	
C92533	196.00	198.00	197.00	191.00	197.00	193.00	204.00	198.00	201.00	211.80
C92534	173.00	154.00	167.00	171.00	135.00					
C92535	183.00	180.00	110.00	196.00	198.00	203.00	197.00	212.00	204.00	192.40
C92536	176.00	165.00	177.00	172.00	186.00	195.00	189.00	195.00	183.00	190.60
C92537	209.00	213.00	216.00	218.00	SPILLED	239.00	220.00	243.00	241.00	204.40
C92538	216.00	225.00	231.00	237.00	231.00	252.00	261.00	225.00	243.00	250.10
C92539	210.00	206.00	187.00	209.00	204.00	200.00	208.00	202.00	210.00	210.10
C92540	210.00	199.00	208.00	200.00	206.00					
C92541	190.00	210.00	193.00	200.00	192.00	211.00	216.00	210.00	217.00	213.40

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: MALE 1 - 0 PPM										
C92542	185.00	187.00	193.00	200.00	185.00	188.00	211.00	205.00	200.00	199.70
C92543	165.00	168.00	163.00	172.00	166.00	179.00	179.00	182.00	180.00	175.90
C92544	180.00	182.00	184.00	164.00	177.00	173.00	175.00	181.00	190.00	177.60
C92545	183.00	182.00	213.00	199.00	191.00	197.00	211.00	206.00	208.00	220.60
C92547	179.00	181.00	184.00	180.00	173.00	189.00	190.00	199.00	209.00	199.10
C92548	184.00	183.00	183.00	178.00	177.00	190.00	192.00	181.00	169.00	167.30
C92549	154.00	161.00	162.00	166.00	157.00	167.00	169.00	172.00	170.00	169.90
C92550	225.00	219.00	224.00	216.00	215.00	228.00	221.00	212.00	221.00	224.80
C92551	166.00	168.00	161.00	155.00	159.00	170.00	169.00	177.00	190.00	193.90
C92552	185.00	196.00	192.00	204.00	199.00	211.00	202.00	173.00	216.00	202.90
C92553	140.00	SPILLED	124.00	130.00	102.00	124.00	100.00			
C92554	154.00	154.00	154.00	157.00	150.00	156.00	161.00	149.00	171.00	167.40
C92555	194.00	205.00	205.00	188.00	202.00	152.00	NOT TAKEN			
C92556	176.00	165.00	184.00	183.00	168.00	96.00	56.00			
C92557	189.00	181.00	192.00	171.00	180.00	196.00	195.00	193.00	200.00	197.40
C92558	187.00	194.00	208.00	189.00	SPILLED	231.00	198.00	196.00	197.00	169.30
C92559	178.00	183.00	180.00	175.00	178.00	191.00	190.00	185.00	190.00	191.80
C92560	190.00	200.00	201.00	198.00	210.00	200.00	208.00	205.00	222.00	221.90
C92561	180.00	181.00	176.00	175.00	178.00	186.00	141.00			
C92562	181.00	175.00	178.00	183.00	142.00					
C92563	202.00	237.00	240.00	233.00	SPILLED	SPILLED	SPILLED	252.00	240.00	261.00
C92564	196.00	195.00	195.00	194.00	SPILLED	193.00	198.00	192.00	139.00	
C92565	190.00	187.00	195.00	188.00	183.00	192.00	206.00	193.00	181.00	152.40
C92567	175.00	178.00	179.00	166.00	175.00	175.00	193.00	186.00	192.00	197.80
C92568	186.00	185.00	186.00	184.00	183.00	193.00	189.00	191.00	200.00	211.00
C92569	162.00	168.00	175.00	160.00	175.00	178.00	172.00	181.00	175.00	174.90
C92570	179.00	183.00	175.00	173.00	128.00					

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: MALE 2 - 0.5 PPM										
C92571	185.00	190.00	182.00	191.00	182.00	186.00	202.00	193.00	203.00	173.20
C92572	200.00	200.00	193.00	197.00	172.00	208.00	214.00	SPILLED	214.00	207.20
C92573	189.00	160.00	208.00	212.00	196.00	212.00	201.00	196.00	115.00	193.10
C92576	200.00	194.00	187.00	197.00	192.00	215.00	213.00	211.00	216.00	215.70
C92577	208.00	193.00	199.00	190.00	199.00	215.00	210.00	204.00	207.00	203.20
C92578	187.00	199.00	194.00	196.00	192.00	216.00	214.00	210.00	219.00	223.70
C92579	195.00	185.00	191.00	187.00	195.00	199.00	209.00	195.00	188.00	164.80
C92580	178.00	180.00	198.00	188.00	190.00	203.00	212.00	206.00	228.00	144.50
C92581	190.00	183.00	189.00	189.00	193.00	214.00	216.00	217.00	231.00	241.10
C92582	153.00	150.00	154.00	170.00	154.00	155.00	167.00	161.00	SPILLED	161.80
C92583	163.00	167.00	169.00	166.00	178.00	185.00	179.00	189.00	180.00	193.60
C92584	174.00	164.00	190.00	191.00	SPILLED	SPILLED	NOT TAKEN			
C92585	36.00									
C92586	206.00	210.00	208.00	196.00	198.00	206.00	188.00	204.00	50.00	0.50
C92587	209.00	190.00	203.00	196.00	192.00	214.00	211.00	199.00	210.00	197.20
C92588	172.00	157.00	175.00	166.00	162.00	177.00	182.00	186.00	181.00	169.20
C92589	186.00	181.00	194.00	192.00	195.00	204.00	204.00	200.00	211.00	200.90
C92590	187.00	190.00	188.00	192.00	193.00	197.00	199.00	194.00	207.00	196.30
C92591	169.00	169.00	164.00	179.00	172.00	180.00	172.00	182.00	189.00	182.00
C92592	183.00	174.00	187.00	181.00	183.00	203.00	197.00	195.00	203.00	203.00
C92594	179.00	179.00	174.00	183.00	176.00	188.00	198.00	180.00	206.00	189.00
C92595	166.00	156.00	155.00	159.00	169.00	167.00	170.00	173.00	155.00	174.00
C92596	189.00	181.00	190.00	191.00	193.00	193.00	190.00	173.00	41.00	
C92597	177.00	187.00	185.00	195.00	185.00	181.00	176.00	167.00	180.00	186.00
C92598	185.00	187.00	185.00	189.00	180.00	179.00	185.00	177.00	174.00	185.00
C92599	208.00	211.00	217.00	210.00	196.00					
C92601	182.00	181.00	184.00	178.00	181.00	188.00	178.00	186.00	200.00	188.00
C92602	170.00	155.00	166.00	177.00	174.00	174.00	193.00	194.00	202.00	197.00
C92604	192.00	205.00	194.00	204.00	204.00	205.00	214.00	211.00	199.00	154.00
C92605	187.00	195.00	174.00	181.00	180.00	200.00	191.00	202.00	189.00	205.00
C92606	180.00	189.00	188.00	184.00	186.00	199.00	196.00	190.00	195.00	210.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: MALE 2 - 0.5 PPM										
C92607	213.00	219.00	209.00	207.00	192.00	219.00	242.00	226.00	234.00	226.00
C92608	164.00	205.00	188.00	219.00	223.00	217.00	211.00	191.00	184.00	81.00
C92609	183.00	196.00	202.00	189.00	193.00	202.00	196.00	192.00	195.00	196.00
C92611	160.00	156.00	153.00	161.00	160.00	165.00	160.00	171.00	176.00	165.00
C92612	186.00	175.00	178.00	176.00	176.00	195.00	194.00	191.00	185.00	147.00
C92614	SPILLED	SPILLED	246.00	245.00	SPILLED	SPILLED	261.00	SPILLED	SPILLED	SPILLED
C92615	190.00	195.00	186.00	195.00	189.00	196.00	195.00	175.00	204.00	201.00
C92617	209.00	214.00	216.00	203.00	202.00	232.00	227.00	212.00	251.00	261.00
C92619	147.00	155.00	163.00	175.00	154.00	SPILLED	176.00	169.00	181.00	177.30
C92620	160.00	162.00	154.00	171.00	175.00	171.00	166.00	174.00	183.00	162.30
C92622	187.00	175.00	184.00	186.00	185.00	196.00	201.00	198.00	208.00	204.00
C92623	151.00	148.00	142.00	152.00	154.00	158.00	153.00	158.00	157.00	150.90
C92624	195.00	195.00	186.00	201.00	204.00	211.00	207.00			
C92625	201.00	197.00	199.00	204.00	189.00	211.00	210.00	201.00	200.00	196.60
C92626	140.00	189.00	169.00	197.00	199.00	167.00	171.00	194.00	215.00	147.80
C92628	217.00	SPILLED	239.00	244.00	120.00	SPILLED	55.00	SPILLED	110.00	107.40
C92629	212.00	214.00	215.00	216.00	210.00	224.00	218.00	203.00	180.00	129.80
C92630	209.00	212.00	207.00	207.00	202.00	215.00	197.00	206.00	195.00	208.90
GROUP: MALE 3 - 2 PPM										
C92631	177.00	173.00	176.00	176.00	168.00	178.00	177.00	181.00	189.00	188.00
C92632	207.00	195.00	193.00	201.00	197.00	204.00	180.00	157.00	195.00	226.00
C92633	175.00	192.00	176.00	188.00	176.00	186.00	192.00	193.00	203.00	190.00
C92634	174.00	172.00	185.00	184.00	181.00	200.00	202.00	196.00	194.00	203.00
C92635	186.00	186.00	190.00	183.00	190.00	193.00	198.00	171.00	198.00	179.00
C92636	174.00	174.00	192.00	203.00	217.00	226.00	SPILLED	SPILLED	SPILLED	SPILLED
C92637	166.00	168.00	163.00	171.00	171.00	168.00	187.00	182.00	190.00	179.00
C92638	223.00	227.00	213.00	235.00	222.00	221.00	236.00	223.00	227.00	220.00
C92639	177.00	178.00	179.00	180.00	178.00	188.00	196.00	196.00	183.00	139.00
C92641	180.00	211.00	195.00	189.00	213.00	190.00	118.00	187.00	208.00	172.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: MALE 3 - 2 PPM										
C92642	161.00	158.00	160.00	167.00	172.00	172.00	176.00	161.00	176.00	218.00
C92643	167.00	166.00	168.00	184.00	182.00	SPILLED	200.00	SPILLED	SPILLED	215.00
C92644	166.00	164.00	159.00	168.00	168.00	180.00	185.00	180.00	183.00	192.00
C92647	161.00	168.00	172.00	171.00	166.00	177.00	176.00	183.00	189.00	195.00
C92648	161.00	156.00	165.00	152.00	154.00	170.00	169.00	172.00	167.00	165.00
C92649	189.00	179.00	190.00	SPILLED	185.00	216.00	196.00	176.00	210.00	206.00
C92651	187.00	189.00	193.00	203.00	216.00	220.00	230.00	198.00	186.00	152.00
C92653	195.00	198.00	199.00	187.00	207.00	182.00	227.00	157.00	223.00	220.00
C92654	184.00	180.00	169.00	167.00	172.00	186.00	195.00	213.00	190.00	188.00
C92655	199.00	218.00	205.00	209.00	210.00	SPILLED	209.00	203.00	231.00	227.00
C92656	177.00	179.00	178.00	172.00	176.00	191.00	189.00	196.00	195.00	191.00
C92657	187.00	176.00	177.00	175.00	181.00	194.00	185.00	191.00	191.00	193.00
C92658	190.00	189.00	193.00	194.00	188.00	207.00	218.00	205.00	209.00	202.00
C92659	195.00	203.00	214.00	207.00	212.00	226.00	232.00	227.00	220.00	240.00
C92660	195.00	SPILLED	203.00	215.00	SPILLED	SPILLED	SPILLED	206.00	193.00	179.00
C92661	151.00	171.00	170.00	171.00	178.00	184.00	188.00	203.00	201.00	196.00
C92663	203.00	201.00	203.00	207.00	210.00	218.00	TECH SPILL	SPILLED	236.00	216.00
C92664	186.00	188.00	188.00	192.00	186.00	197.00	197.00	194.00	207.00	172.00
C92665	191.00	195.00	201.00	189.00	189.00	200.00	213.00	SPILLED	218.00	221.00
C92666	222.00	214.00	196.00	193.00	193.00	199.00	205.00	194.00	122.00	113.00
C92667	196.00	204.00	195.00	195.00	184.00	202.00	203.00	202.00	215.00	205.00
C92669	179.00	186.00	177.00	191.00	180.00	190.00	194.00	200.00	194.00	211.00
C92670	160.00	161.00	159.00	157.00	154.00	165.00	176.00	198.00	189.00	150.00
C92671	187.00	185.00	181.00	185.00	178.00	205.00	193.00	178.00	205.00	196.00
C92672	164.00	182.00	169.00	172.00	178.00	186.00	196.00	202.00	199.00	218.00
C92673	164.00	168.00	178.00	162.00	166.00	191.00	199.00	201.00	203.00	195.00
C92674	170.00	182.00	180.00	171.00	192.00	193.00	198.00	196.00	206.00	202.00
C92675	183.00	187.00	183.00	184.00	183.00	198.00	191.00	198.00	196.00	196.00
C92677	184.00	186.00	178.00	188.00	182.00	197.00	211.00	201.00	216.00	195.00
C92679	206.00	207.00	221.00	239.00	206.00					
C92680	176.00	186.00	178.00	185.00	182.00	204.00	196.00	189.00	97.00	104.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: MALE 3 - 2 PPM										
C92681	175.00	186.00	185.00	176.00	183.00	195.00	193.00	193.00	185.00	178.00
C92682	175.00	180.00	177.00	180.00	179.00	190.00	198.00	190.00	196.00	193.00
C92683	184.00	193.00	190.00	191.00	192.00	178.00	191.00	217.00	216.00	206.00
C92685	178.00	184.00	179.00	187.00	177.00	201.00	204.00	203.00	196.00	132.00
C92686	184.00	192.00	187.00	196.00	192.00	215.00	227.00	231.00	222.00	226.00
C92687	148.00	211.00	184.00	157.00	181.00	175.00	178.00	120.00	48.00	NOT TAKEN
C92688	195.00	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	197.00	184.00	179.00	SPILLED
C92689	154.00	177.00	171.00	169.00	155.00	NOT TAKEN				
C92690	203.00	207.00	205.00	225.00	224.00	234.00	231.00	237.00	233.00	235.00
GROUP: MALE 4 - 5 PPM										
C92691	177.00	173.00	177.00	179.00	171.00	172.00	197.00	180.00	186.00	181.00
C92692	158.00	169.00	134.00	139.00	NOT TAKEN					
C92693	174.00	162.00	179.00	178.00	175.00	177.00	185.00	185.00	181.00	176.00
C92694	177.00	178.00	172.00	172.00	174.00	180.00	191.00	182.00	194.00	195.00
C92695	175.00	178.00	169.00	171.00	171.00	164.00	190.00	185.00	183.00	185.00
C92696	188.00	178.00	177.00	187.00	186.00	189.00	192.00	199.00	180.00	197.00
C92697	193.00	183.00	191.00	192.00	183.00	193.00	194.00	111.00		
C92698	178.00	188.00	191.00	197.00	199.00	205.00	205.00	221.00	224.00	219.00
C92699	168.00	161.00	170.00	160.00	167.00	173.00	192.00	175.00	176.00	185.00
C92700	184.00	174.00	177.00	167.00	168.00	178.00	SPILLED	SPILLED	181.00	176.00
C92701	169.00	176.00	179.00	162.00	35.00					
C92702	167.00	171.00	168.00	165.00	169.00	177.00	197.00	192.00	190.00	198.00
C92703	197.00	209.00	184.00	198.00	203.00	210.00	65.00			
C92704	172.00	172.00	169.00	176.00	175.00	182.00	189.00	178.00	189.00	201.00
C92705	185.00	198.00	196.00	193.00	192.00	185.00	195.00	187.00	194.00	192.00
C92706	172.00	192.00	201.00	203.00	198.00	209.00	238.00	205.00	233.00	246.00
C92707	154.00	161.00	167.00	164.00	164.00	168.00	191.00	174.00	183.00	181.00
C92708	161.00	165.00	173.00	169.00	168.00	157.00	164.00	170.00	187.00	172.00
C92709	152.00	174.00	173.00	179.00	162.00	167.00	187.00	174.00	171.00	164.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: MALE 4 - 5 PPM										
C92710	173.00	180.00	184.00	182.00	180.00	194.00	190.00	182.00	184.00	
C92711	168.00	171.00	175.00	177.00	170.00	180.00	180.00	189.00	190.00	177.00
C92712	202.00	220.00	227.00	216.00	218.00	247.00	246.00	217.00	SPILLED	243.00
C92716	185.00	262.00	SPILLED	205.00	SPILLED	SPILLED	SPILLED	119.00	402.00	SPILLED
C92717	191.00	195.00	198.00	197.00	201.00	205.00	213.00	216.00	221.00	230.00
C92720	200.00	209.00	205.00	203.00	195.00	207.00	194.00	211.00	212.00	216.00
C92721	160.00	177.00	190.00	191.00	173.00	180.00	201.00	196.00	195.00	196.00
C92723	220.00	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	259.00	208.00	243.00	252.00
C92724	217.00	214.00	237.00	224.00	214.00	208.00	233.00	222.00	235.00	222.00
C92725	160.00	159.00	151.00	142.00	NOT TAKEN					
C92726	181.00	182.00	184.00	184.00	187.00	185.00	176.00	181.00	188.00	198.00
C92727	183.00	194.00	189.00	205.00	189.00	204.00	209.00	199.00	198.00	197.00
C92729	215.00	216.00	221.00	217.00	215.00	237.00	216.00	186.00	141.00	123.00
C92730	178.00	171.00	177.00	182.00	175.00	184.00	196.00	198.00	190.00	200.00
C92732	190.00	187.00	188.00	184.00	183.00	186.00	209.00	193.00	193.00	198.00
C92733	193.00	201.00	186.00	195.00	195.00	203.00	207.00	198.00	207.00	208.00
C92735	180.00	184.00	188.00	183.00	181.00	194.00	203.00	193.00	184.00	197.00
C92736	178.00	185.00	185.00	190.00	178.00	190.00	209.00	196.00	197.00	185.00
C92737	172.00	184.00	179.00	183.00	181.00	182.00	202.00	192.00	192.00	192.00
C92738	191.00	178.00	173.00	174.00	167.00	184.00	176.00	181.00	191.00	195.00
C92739	170.00	184.00	174.00	178.00	173.00	186.00	186.00	180.00	188.00	187.00
C92740	162.00	173.00	174.00	173.00	179.00	183.00	182.00	176.00	189.00	197.00
C92741	244.00	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	177.00
C92742	189.00	195.00	199.00	196.00	193.00	198.00	207.00	203.00	210.00	196.00
C92743	213.00	213.00	218.00	211.00	209.00	235.00	221.00	199.00	224.00	238.00
C92745	231.00	219.00	227.00	216.00	225.00	234.00	244.00	234.00	245.00	231.00
C92746	183.00	199.00	185.00	194.00	192.00	207.00	204.00	201.00	224.00	215.00
C92747	171.00	190.00	179.00	178.00	179.00	193.00	195.00	191.00	189.00	192.00
C92748	209.00	228.00	228.00	SPILLED	SPILLED	228.00	231.00	SPILLED	SPILLED	160.00
C92749	161.00	179.00	178.00	167.00	166.00	171.00	170.00	170.00	183.00	176.00
C92750	184.00	179.00	175.00	184.00	170.00	192.00	186.00	188.00	192.00	190.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: MALE 5 - 20 PPM										
C92751	162.00	188.00	202.00	190.00	184.00					
C92753	188.00	200.00	201.00	135.00	190.00	190.00	194.00	206.00	207.00	212.00
C92754	156.00	161.00	159.00	165.00	163.00					
C92755	166.00	176.00	176.00	178.00	176.00					
C92756	213.00	228.00	218.00	226.00	216.00	218.00	218.00	205.00	200.00	225.00
C92757	174.00	SPILLED	SPILLED	200.00	SPILLED	211.00	SPILLED	SPILLED	226.00	209.00
C92758	158.00	167.00	158.00	141.00	112.00	95.00	89.00			
C92760	184.00	191.00	194.00	194.00	190.00	195.00	209.00	196.00	132.00	69.00
C92761	186.00	187.00	186.00	187.00	179.00	185.00	180.00	186.00	213.00	200.00
C92762	192.00	188.00	191.00	199.00	196.00	196.00	201.00	208.00	196.00	208.00
C92763	223.00	221.00	223.00	225.00	218.00	233.00	236.00	213.00	243.00	235.00
C92764	211.00	227.00	222.00	SPILLED	220.00	223.00	231.00	215.00	175.00	84.00
C92766	184.00	178.00	181.00	166.00	159.00	180.00	201.00	180.00	195.00	183.00
C92767	257.00	252.00	SPILLED	SPILLED	235.00	250.00	SPILLED	297.00	SPILLED	279.00
C92768	201.00	204.00	194.00	202.00	206.00	212.00	209.00	198.00	202.00	201.00
C92769	192.00	202.00	199.00	202.00	193.00	225.00	211.00	199.00	213.00	215.00
C92770	195.00	207.00	202.00	209.00	187.00	224.00	226.00	209.00	209.00	207.00
C92771	184.00	194.00	182.00	172.00	188.00	204.00	225.00	202.00	208.00	206.00
C92772	203.00	193.00	197.00	187.00	NOT TAKEN					
C92773	172.00	174.00	169.00	174.00	167.00	166.00	170.00	166.00	178.00	167.00
C92774	173.00	179.00	165.00	168.00	178.00	183.00	182.00	169.00	183.00	176.00
C92775	205.00	215.00	153.00	217.00	213.00	198.00	224.00	226.00	228.00	218.00
C92776	176.00	185.00	184.00	180.00	177.00	197.00	198.00	165.00	199.00	190.00
C92778	182.00	168.00	181.00	177.00	135.00					
C92780	190.00	196.00	197.00	197.00	203.00	192.00	215.00	210.00	232.00	223.00
C92781	165.00	170.00	177.00	172.00	168.00	177.00	180.00	194.00	200.00	22.00
C92782	176.00	179.00	179.00	184.00	179.00	188.00	208.00	199.00	204.00	200.00
C92783	191.00	194.00	200.00	192.00	195.00	218.00	224.00	209.00	222.00	197.00
C92784	188.00	191.00	190.00	199.00	189.00	212.00	201.00	221.00	217.00	237.00
C92785	175.00	176.00	181.00	178.00	176.00	193.00	201.00	187.00	203.00	206.00
C92786	188.00	188.00	185.00	190.00	180.00	206.00	206.00	204.00	216.00	203.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: MALE 5 - 20 PPM										
C92787	209.00	232.00	SPILLED							
C92788	188.00	189.00	186.00	187.00	173.00	182.00	207.00	196.00	184.00	193.00
C92790	164.00	172.00	165.00	170.00	172.00					
C92791	190.00	189.00	195.00	196.00	184.00	193.00	208.00	195.00	204.00	196.00
C92792	168.00	171.00	186.00	179.00	173.00	191.00	189.00	195.00	202.00	213.00
C92794	166.00	159.00	166.00	162.00	154.00	56.00				
C92795	176.00	186.00	181.00	182.00	153.00					
C92796	161.00	167.00	169.00	171.00	136.00					
C92797	198.00	197.00	205.00	184.00	190.00	198.00	213.00	204.00	217.00	211.00
C92800	165.00	153.00	168.00	158.00	160.00	159.00	182.00	180.00	186.00	191.00
C92801	216.00	212.00	202.00	209.00	184.00	NOT TAKEN				
C92802	187.00	185.00	206.00	197.00	190.00	215.00	222.00	209.00	223.00	219.00
C92803	178.00	171.00	182.00	173.00	175.00	179.00	188.00	179.00	184.00	179.00
C92804	181.00	187.00	190.00	194.00	183.00	184.00	210.00	204.00	211.00	201.00
C92805	162.00	176.00	186.00	179.00	169.00	189.00	214.00	184.00	101.00	NOT TAKEN
C92806	148.00	174.00	186.00	163.00	165.00	179.00	201.00	202.00	197.00	189.00
C92807	172.00	165.00	180.00	181.00	164.00	190.00	201.00	185.00	194.00	198.00
C92808	162.00	152.00	155.00	156.00	157.00	164.00	172.00	170.00	170.00	162.00
C92809	175.00	180.00	177.00	179.00	170.00	176.00	189.00	183.00	183.00	188.00
C92810	180.00	184.00	186.00	190.00	182.00	192.00	217.00	204.00	221.00	221.00
C92811	NOT TAKEN									
C92813	188.00	201.00	201.00	199.00	192.00	205.00	207.00	216.00	221.00	214.00
C92814	137.00	127.00	136.00	136.00	138.00	146.00	148.00	141.00	138.00	146.00
C92815	SPILLED	214.00	SPILLED	SPILLED	SPILLED	SPILLED	223.00	TECH SPILL	221.00	216.00
C92816	144.00	155.00	156.00	156.00	150.00	169.00	173.00	NOT TAKEN		
C92817	220.00	227.00	243.00	241.00	176.00					
C92818	178.00	176.00	177.00	187.00	173.00	195.00	193.00	187.00	199.00	194.00
C92819	165.00	166.00	176.00	178.00	172.00	187.00	187.00	184.00	190.00	186.00
C92820	204.00	188.00	126.00	194.00	SPILLED					

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: MALE 6 - 20 PPM										
C92821	165.00	162.00	151.00	159.00	155.00	179.00	164.00	184.00	184.00	197.60
C92822	162.00	163.00	165.00	173.00	174.00	182.00	SPILLED	186.00	170.00	127.20
C92823	179.00	179.00	186.00	189.00	179.00	171.00	190.00	189.00	SPILLED	176.80
C92824	198.00	171.00	189.00	190.00	190.00	213.00	203.00	199.00	205.00	160.80
C92825	234.00	238.00	249.00	SPILLED	SPILLED	207.00	283.00	SPILLED	SPILLED	288.50
C92826	189.00	187.00	192.00	202.00	191.00					
C92827	190.00	182.00	191.00	189.00	168.00	194.00	200.00	186.00	196.00	192.30
C92828	183.00	195.00	196.00	205.00	196.00	208.00	197.00	217.00	229.00	212.90
C92829	208.00	190.00	231.00	214.00	SPILLED	219.00	229.00	200.00	SPILLED	233.70
C92830	165.00	183.00	189.00	192.00	141.00	139.00	182.00	178.00	SPILLED	172.60
C92831	166.00	164.00	169.00	171.00	174.00	168.00	177.00	169.00	180.00	188.00
C92832	158.00	160.00	161.00	165.00	158.00	169.00	174.00	178.00	189.00	
C92833	196.00	205.00	207.00	220.00	198.00	222.00	225.00	209.00	225.00	217.70
C92834	182.00	191.00	195.00	196.00	195.00	208.00	199.00	194.00	200.00	194.40
C92835	165.00	169.00	172.00	170.00	154.00	173.00	180.00	180.00	190.00	172.90
C92836	174.00	195.00	192.00	185.00	184.00	201.00	SPILLED	204.00	225.00	215.90
C92837	191.00	198.00	210.00	210.00	201.00	211.00	129.00	10.00		
C92838	183.00	182.00	189.00	186.00	173.00	191.00	214.00	28.00		
C92839	259.00	259.00	257.00	SPILLED	238.00	SPILLED	265.00	201.00	SPILLED	242.90
C92840	158.00	165.00	163.00	167.00	160.00	168.00	174.00	175.00	177.00	171.40
C92841	159.00	151.00	164.00	155.00	151.00	173.00	178.00	193.00	NOT TAKEN	
C92842	186.00	183.00	191.00	191.00	175.00	162.00	196.00	196.00	192.00	199.30
C92843	194.00	194.00	199.00	196.00	188.00	SPILLED	222.00	221.00	230.00	239.10
C92844	140.00	127.00	143.00	145.00	145.00	155.00	149.00	148.00	160.00	163.50
C92845	178.00	186.00	188.00	184.00	174.00	187.00	191.00	177.00	186.00	194.30
C92846	202.00	177.00	211.00	210.00	196.00	161.00	207.00	223.00	200.00	204.60
C92847	216.00	212.00	210.00	217.00	213.00	235.00	233.00	205.00	232.00	238.80
C92848	156.00	158.00	167.00	166.00	152.00	179.00	153.00	128.00	139.00	133.70
C92849	215.00	207.00	216.00	203.00	223.00	225.00	199.00	110.00	46.00	
C92850	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	228.00	SPILLED	198.00	197.20
C92851	182.00	189.00	190.00	186.00	188.00	203.00	206.00	201.00	206.00	197.20

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: MALE 6 - 20 PPM										
C92852	183.00	184.00	188.00	190.00	172.00	194.00	201.00	177.00	NOT TAKEN	
C92853	169.00	184.00	171.00	177.00	163.00	198.00	205.00	187.00	207.00	201.10
C92854	178.00	184.00	196.00	186.00	183.00	201.00	203.00	200.00	217.00	218.80
C92855	154.00	177.00	179.00	156.00	190.00	212.00	126.00	SPILLED	120.00	
C92856	167.00	175.00	175.00	180.00	170.00	189.00	184.00	187.00	195.00	186.40
C92857	175.00	175.00	164.00	186.00	187.00	SPILLED	170.00	SPILLED	SPILLED	200.80
C92858	173.00	173.00	178.00	191.00	181.00	202.00	198.00	149.00	191.00	204.70
C92859	174.00	182.00	190.00	191.00	183.00	189.00	163.00	120.00	129.00	NOT TAKEN
C92860	164.00	158.00	170.00	165.00	171.00	170.00	179.00	179.00	179.00	189.70
GROUP: FEMALE 1 - 0 PPM										
C92862	124.00	131.00	124.00	123.00	124.00					
C92863	114.00	132.00	108.00	125.00	133.00	132.00	135.00	137.00	145.00	128.00
C92865	156.00	141.00	139.00	138.00	138.00	150.00	156.00	NOT TAKEN		
C92866	90.00	116.00	111.00	147.00	122.00	119.00	134.00	127.00	127.00	126.00
C92867	125.00	158.00	138.00	138.00	143.00	149.00	138.00	134.00	147.00	149.00
C92868	131.00	132.00	127.00	132.00	131.00	149.00	139.00	142.00	144.00	149.00
C92869	SPILLED	SPILLED	SPILLED	147.00	SPILLED	SPILLED	122.00	SPILLED	166.00	146.00
C92870	143.00	148.00	147.00	135.00	142.00	171.00	143.00	149.00	152.00	139.00
C92871	130.00	122.00	124.00	127.00	129.00	134.00	144.00	149.00	154.00	152.00
C92872	SPILLED	SPILLED	SPILLED	SPILLED	167.00	139.00	128.00	152.00	141.00	142.00
C92873	121.00	138.00	124.00	124.00	137.00	139.00	134.00	148.00	152.00	125.00
C92874	130.00	139.00	137.00	128.00	139.00	134.00	144.00	139.00	153.00	140.00
C92875	133.00	154.00	139.00	143.00	144.00	175.00	128.00	138.00	153.00	133.00
C92876	109.00	120.00	122.00	132.00	109.00					
C92877	148.00	118.00	132.00	132.00	126.00	135.00	152.00	145.00	131.00	142.00
C92878	SPILLED	SPILLED	SPILLED	155.00	SPILLED	162.00	136.00	156.00	170.00	189.00
C92879	145.00	149.00	145.00	140.00	139.00	152.00	167.00	150.00	161.00	134.00
C92881	143.00	145.00	145.00	119.00	106.00	146.00	135.00	145.00	152.00	151.00
C92882	117.00	121.00	131.00	119.00	131.00	108.00	117.00	127.00	135.00	153.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: FEMALE 1 - 0 PPM										
C92883	137.00	170.00	150.00	137.00	121.00	160.00	163.00	132.00	143.00	133.00
C92884	138.00	146.00	139.00	143.00	141.00	145.00	150.00	136.00	156.00	141.00
C92885	130.00	139.00	119.00	141.00	137.00	140.00	153.00	146.00	157.00	150.00
C92886	143.00	149.00	145.00	145.00	119.00	154.00	141.00	140.00	96.00	124.00
C92888	164.00	153.00	165.00	150.00	167.00	178.00	157.00	186.00	179.00	SPILLED
C92889	147.00	101.00	104.00	133.00	106.00					
C92890	117.00	134.00	130.00	132.00	158.00	143.00	155.00	157.00	137.00	147.00
C92891	128.00	132.00	133.00	135.00	130.00	146.00	147.00	137.00	139.00	137.00
C92892	167.00	147.00	156.00	172.00	144.00	153.00	188.00	159.00	164.00	172.00
C92893	115.00	113.00	128.00	83.00	129.00	127.00	120.00	124.00	136.00	154.00
C92894	128.00	132.00	130.00	129.00	145.00					
C92895	123.00	113.00	123.00	119.00	110.00	126.00	141.00	117.00	136.00	136.00
C92896	128.00	137.00	134.00	131.00	121.00	132.00	TECH SPILL	148.00	149.00	148.00
C92897	135.00	144.00	151.00	144.00	151.00	168.00	180.00	145.00	149.00	144.00
C92899	176.00	171.00	168.00	166.00	135.00					
C92900	143.00	151.00	145.00	153.00	163.00	165.00	175.00	179.00	173.00	NOT TAKEN
C92901	117.00	119.00	123.00	114.00	118.00	131.00	131.00	116.00	155.00	129.00
C92902	162.00	160.00	161.00	153.00	169.00	187.00	171.00	186.00	196.00	197.00
C92904	109.00	143.00	142.00	122.00	105.00	133.00	151.00	157.00	144.00	137.00
C92906	118.00	122.00	120.00	119.00	112.00	133.00	121.00	126.00	142.00	122.00
C92907	155.00	105.00	112.00	112.00	112.00	SPILLED	121.00	133.00	116.00	117.00
C92908	111.00	135.00	129.00	132.00	134.00	150.00	143.00	136.00	152.00	144.00
C92909	121.00	114.00	117.00	120.00	107.00	113.00	122.00	120.00	128.00	120.00
C92910	138.00	SPILLED	174.00	SPILLED	150.00					
C92911	TECH SPILL	108.00	114.00	119.00	124.00	106.00	120.00	117.00	127.00	126.00
C92912	149.00	132.00	124.00	179.00	170.00	184.00	177.00	169.00	195.00	178.00
C92913	115.00	99.00	107.00	119.00	113.00	123.00	125.00	133.00	130.00	130.00
C92915	SPILLED	169.00	154.00	144.00	159.00	165.00	136.00	160.00	165.00	149.00
C92916	154.00	180.00	155.00	158.00	160.00	141.00	194.00	206.00	180.00	194.00
C92917	153.00	170.00	158.00	149.00	160.00					
C92918	136.00	128.00	125.00	135.00	133.00	137.00	162.00	168.00	125.00	32.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: FEMALE 1 - 0 PPM										
C92920	131.00	137.00	137.00	102.00	124.00	139.00	129.00	125.00	143.00	NOT TAKEN
C92921	151.00	155.00	127.00	56.00	16.00	SPILLED				
C92922	149.00	158.00	155.00	135.00	147.00					
C92923	127.00	133.00	128.00	127.00	107.00					
C92924	132.00	118.00	136.00	177.00	133.00	155.00	162.00	150.00	179.00	174.00
C92925	150.00	145.00	156.00	154.00	152.00	164.00	155.00	171.00	190.00	159.00
C92927	148.00	166.00	SPILLED	145.00	140.00	152.00	148.00	144.00	148.00	144.00
C92928	152.00	165.00	161.00	145.00	161.00	165.00	163.00	154.00	170.00	149.00
C92929	116.00	127.00	131.00	50.00	SPILLED	180.00	NOT TAKEN			
C92930	174.00	188.00	188.00	175.00	136.00					
GROUP: FEMALE 2 - 0.5 PPM										
C92931	151.00	171.00	150.00	149.00	169.00	180.00	196.00	187.00	160.00	
C92932	75.00	SPILLED								
C92933	165.00	162.00	SPILLED	150.00	161.00	160.00	186.00	161.00	184.00	151.00
C92934	123.00	137.00	122.00	122.00	140.00	151.00	137.00	95.00	140.00	143.00
C92935	119.00	143.00	136.00	131.00	140.00	149.00	160.00	167.00	177.00	173.00
C92936	114.00	108.00	113.00	109.00	115.00	127.00	115.00	129.00	141.00	132.00
C92937	158.00	152.00	145.00	146.00	156.00	69.00	120.00	72.00		
C92938	142.00	125.00	139.00	141.00	153.00	155.00	151.00	169.00	164.00	153.00
C92939	135.00	139.00	126.00	122.00	128.00	138.00	126.00	149.00	147.00	
C92940	118.00	133.00	131.00	130.00	137.00	145.00	117.00	145.00	160.00	SPILLED
C92942	153.00	151.00	SPILLED	176.00						
C92943	151.00	150.00	137.00	140.00	149.00	172.00	141.00	167.00	184.00	175.00
C92946	129.00	127.00	124.00	108.00	107.00	103.00	106.00	139.00	141.00	135.00
C92947	119.00	118.00	133.00	107.00	128.00	129.00	140.00	131.00	142.00	136.00
C92948	147.00	150.00	147.00	138.00	155.00	173.00	140.00	154.00	165.00	141.00
C92951	120.00	135.00	120.00	106.00	115.00	221.00	122.00	160.00	128.00	135.00
C92952	135.00	SPILLED	122.00	124.00	123.00	134.00	130.00	TECH SPILL		
C92953	104.00	130.00	107.00	116.00	100.00	107.00	115.00	114.00	116.00	114.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: FEMALE 2 - 0.5 PPM										
C92954	142.00	149.00	149.00	149.00	135.00	156.00	167.00	181.00	165.00	169.00
C92955	139.00	141.00	131.00	140.00	147.00	164.00	161.00	165.00	170.00	158.00
C92956	132.00	128.00	150.00	138.00	154.00	161.00	146.00	153.00	158.00	156.00
C92957	128.00	SPILLED	143.00	125.00	127.00	155.00	137.00	149.00	139.00	128.00
C92958	126.00	122.00	122.00	122.00	122.00	136.00	118.00	115.00	121.00	123.00
C92959	188.00	157.00	SPILLED	196.00	SPILLED	162.00	61.00	159.00	138.00	142.00
C92960	189.00	140.00	170.00	158.00	159.00	152.00	146.00	167.00	164.00	134.00
C92961	160.00	153.00	170.00	146.00	170.00	184.00	178.00	176.00	189.00	180.00
C92963	132.00	123.00	141.00	119.00	136.00	119.00	141.00	121.00	137.00	104.00
C92964	132.00	SPILLED	139.00	133.00	127.00	133.00	136.00	SPILLED	152.00	146.00
C92965	131.00	149.00	141.00	146.00	158.00	157.00	151.00	135.00	140.00	134.00
C92966	108.00	106.00	110.00	99.00	101.00	109.00	114.00	129.00	76.00	NOT TAKEN
C92968	155.00	141.00	75.00	110.00	120.00	98.00	142.00	125.00	NOT TAKEN	
C92970	127.00	138.00	131.00	134.00	144.00	146.00	150.00	162.00	159.00	145.00
C92971	103.00	108.00	99.00	98.00	102.00	112.00	104.00	113.00	121.00	102.00
C92972	134.00	141.00	130.00	145.00	144.00	157.00	123.00	142.00	149.00	153.00
C92973	150.00	151.00	160.00	152.00	152.00	138.00	173.00	155.00	175.00	169.00
C92974	117.00	125.00	111.00	117.00	119.00	132.00	123.00	127.00	124.00	133.00
C92975	134.00	145.00	147.00	132.00	139.00	142.00	141.00	152.00	168.00	154.00
C92976	157.00	162.00	159.00	135.00	173.00	168.00	123.00	138.00	187.00	195.00
C92977	150.00	160.00	140.00	154.00	151.00	158.00	151.00	137.00	165.00	167.00
C92979	116.00	119.00	104.00	112.00	99.00	133.00	131.00	130.00	129.00	121.00
C92980	144.00	135.00	151.00	135.00	140.00	113.00	132.00			
C92981	118.00	134.00	132.00	125.00	129.00	142.00	143.00	146.00	90.00	NOT TAKEN
C92983	127.00	132.00	126.00	128.00	105.00	141.00	133.00	147.00	146.00	154.00
C92984	127.00	138.00	147.00	137.00	141.00	140.00	117.00	159.00	134.00	172.00
C92985	122.00	154.00	145.00	132.00	115.00	150.00	140.00	163.00	204.00	185.00
C92986	114.00	120.00	117.00	110.00	109.00	119.00	111.00	135.00	122.00	121.00
C92988	133.00	150.00	142.00	152.00	135.00	127.00	139.00	142.00	148.00	140.00
C92989	148.00	SPILLED	159.00	146.00	SPILLED	156.00	154.00	154.00	150.00	131.00
C92990	160.00	162.00	159.00	156.00	106.00	149.00	139.00	157.00	169.00	152.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: FEMALE 3 - 2 PPM										
C92991	141.00	133.00	115.00	119.00	130.00	133.00	125.00	142.00	144.00	144.00
C92992	162.00	151.00	144.00	143.00	164.00	150.00	149.00	150.00	163.00	155.00
C92994	109.00	142.00	95.00	120.00	127.00	125.00	93.00	136.00	132.00	134.00
C92997	120.00	122.00	115.00	125.00	122.00	124.00	119.00	125.00	127.00	120.00
C92998	130.00	38.00	TECH SPILL							
C92999	134.00	144.00	144.00	136.00	140.00	144.00	155.00	155.00	183.00	147.00
C93001	149.00	166.00	136.00	157.00	142.00	147.00	156.00	146.00	157.00	149.00
C93002	132.00	137.00	139.00	146.00	152.00	150.00	168.00	157.00	175.00	159.00
C93003	134.00	155.00	131.00	118.00	148.00	143.00	146.00	146.00	162.00	134.00
C93004	110.00	151.00	138.00	142.00	127.00	144.00	146.00	144.00	97.00	99.00
C93005	155.00	127.00	121.00	134.00	142.00	157.00	145.00	128.00	157.00	150.00
C93007	119.00	121.00	114.00	120.00	125.00	129.00	128.00	136.00	127.00	116.00
C93009	SPILLED	148.00	SPILLED	133.00	137.00	142.00	132.00	134.00	133.00	134.00
C93010	161.00	164.00	115.00	126.00	138.00	155.00	143.00	147.00	147.00	161.00
C93011	119.00	123.00	129.00	127.00	128.00	134.00	136.00	136.00	157.00	150.00
C93012	170.00	163.00	165.00	175.00	171.00	183.00	175.00	181.00	167.00	SPILLED
C93013	108.00	123.00	113.00	114.00	121.00	121.00	133.00	133.00	140.00	135.00
C93014	152.00	155.00	152.00	143.00	140.00	150.00	169.00	161.00	100.00	77.00
C93015	138.00	140.00	145.00	137.00	162.00	145.00	162.00	136.00	108.00	179.00
C93016	139.00	131.00	129.00	146.00	125.00	148.00	150.00	83.00	142.00	SPILLED
C93017	136.00	135.00	146.00	156.00	151.00	167.00	174.00	SPILLED	190.00	180.00
C93019	138.00	139.00	SPILLED							
C93020	154.00	167.00	109.00	149.00	127.00	156.00	114.00	38.00		
C93021	132.00	152.00	139.00	149.00	136.00	62.00	50.00			
C93022	120.00	151.00	131.00	119.00	110.00	147.00	149.00	156.00	162.00	106.00
C93024	129.00	138.00	145.00	146.00	148.00	142.00	154.00	150.00	158.00	146.00
C93025	156.00	164.00	139.00	157.00	150.00	152.00	169.00	134.00	172.00	SPILLED
C93026	140.00	143.00	131.00	128.00	133.00	131.00	139.00	137.00	104.00	148.00
C93027	123.00	131.00	125.00	140.00	121.00	145.00	132.00	136.00	150.00	147.00
C93028	139.00	149.00	143.00	146.00	154.00	133.00	136.00	161.00	148.00	138.00
C93029	SPILLED	SPILLED	SPILLED	156.00	SPILLED	160.00	173.00	SPILLED	SPILLED	NOT TAKEN

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: FEMALE 3 - 2 PPM										
C93030	139.00	134.00	136.00	134.00	138.00	144.00	138.00	143.00	163.00	146.00
C93032	135.00	146.00	135.00	155.00	145.00	148.00	153.00	152.00	158.00	133.00
C93033	166.00	148.00	167.00	163.00	80.00	143.00	SPILLED	71.00		
C93034	124.00	136.00	122.00	131.00	136.00	147.00	147.00	152.00	159.00	138.00
C93036	137.00	159.00	167.00	171.00	163.00	151.00	175.00	171.00	174.00	184.00
C93037	120.00	138.00	117.00	146.00	150.00	131.00	135.00	83.00		
C93038	126.00	140.00	128.00	131.00	146.00	145.00	130.00	127.00	146.00	
C93039	132.00	146.00	135.00	132.00	163.00	147.00	152.00	148.00	162.00	158.00
C93040	130.00	130.00	158.00	138.00	129.00	125.00	153.00	153.00	SPILLED	158.00
C93041	151.00	165.00	162.00	170.00	169.00	178.00	171.00	174.00	175.00	167.00
C93042	155.00	158.00	165.00	166.00	154.00	194.00	196.00	199.00	178.00	192.00
C93043	152.00	148.00	168.00	182.00	203.00	SPILLED	197.00	196.00	SPILLED	SPILLED
C93044	138.00	127.00	128.00	129.00	139.00	135.00	58.00	58.00		
C93046	146.00	157.00	151.00	155.00	128.00	160.00	162.00	151.00	146.00	133.00
C93047	146.00	175.00	177.00	156.00	157.00	190.00	173.00	194.00	196.00	212.00
C93048	CNTMD	134.00	118.00	120.00	113.00	142.00	141.00	138.00	143.00	133.00
C93049	122.00	120.00	115.00	136.00	123.00	127.00	139.00	67.00	48.00	
C93050	153.00	145.00	147.00	152.00	157.00	159.00	159.00	156.00	163.00	143.00
GROUP: FEMALE 4 - 5 PPM										
C93052	122.00	142.00	133.00	139.00	147.00	139.00	129.00	84.00	72.00	NOT TAKEN
C93053	144.00	139.00	134.00	146.00	155.00	162.00	80.00	78.00		
C93054	140.00	151.00	138.00	149.00	142.00	143.00	125.00	112.00	142.00	NOT TAKEN
C93055	120.00	147.00	142.00	152.00	156.00	146.00	154.00	163.00	163.00	165.00
C93056	143.00	142.00	141.00	140.00	135.00	144.00	138.00	147.00	159.00	152.00
C93057	119.00	127.00	109.00	126.00	116.00	121.00	124.00	126.00	142.00	135.00
C93059	138.00	135.00	128.00	140.00	125.00	137.00	150.00	147.00	145.00	140.00
C93060	111.00	144.00	134.00	140.00	162.00	151.00	153.00	140.00	167.00	117.00
C93061	154.00	151.00	164.00	163.00	171.00	193.00	194.00	SPILLED	210.00	160.00
C93062	133.00	130.00	126.00	129.00	133.00	132.00	136.00	133.00	132.00	129.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: FEMALE 4 - 5 PPM										
C93063	121.00	121.00	117.00	123.00	114.00	123.00	121.00	116.00	135.00	114.00
C93065	123.00	121.00	121.00	131.00	131.00	126.00	133.00	139.00	135.00	109.00
C93066	SPILLED	SPILLED	SPILLED	160.00	SPILLED	183.00	149.00	SPILLED	SPILLED	SPILLED
C93068	132.00	139.00	132.00	141.00	134.00	152.00	135.00	137.00	144.00	151.00
C93069	145.00	155.00	158.00	153.00	165.00	154.00	154.00	156.00	167.00	148.00
C93072	132.00	125.00	126.00	141.00	135.00	128.00	125.00	142.00	153.00	149.00
C93073	132.00	140.00	131.00	SPILLED	184.00	168.00	158.00	144.00	148.00	54.00
C93074	130.00	137.00	73.00	179.00	154.00	156.00	151.00	153.00	154.00	143.00
C93076	144.00	143.00	152.00	133.00	126.00	152.00	146.00	127.00	193.00	175.00
C93077	141.00	138.00	150.00	142.00	121.00	136.00	115.00	170.00	171.00	169.00
C93078	137.00	130.00	135.00	132.00	131.00	199.00	138.00	146.00	155.00	153.00
C93079	131.00	137.00	162.00	155.00	161.00	165.00	137.00	165.00	178.00	155.00
C93080	SPILLED	SPILLED	SPILLED	140.00	SPILLED	SPILLED	133.00	SPILLED	159.00	SPILLED
C93081	108.00	121.00	109.00	128.00	125.00	157.00	137.00	121.00	140.00	122.00
C93082	134.00	138.00	131.00	141.00	120.00	131.00	143.00	147.00	148.00	147.00
C93083	124.00	140.00	141.00	135.00	139.00	139.00	134.00	140.00	159.00	158.00
C93086	132.00	132.00	136.00	125.00	127.00	131.00	138.00	150.00	142.00	157.00
C93087	104.00	113.00	118.00	106.00	108.00	118.00	111.00	115.00	135.00	116.00
C93088	135.00	142.00	126.00	135.00	156.00	165.00	164.00	169.00	111.00	80.00
C93089	123.00	143.00	108.00	142.00	134.00	148.00	134.00	130.00	135.00	143.00
C93090	107.00	114.00	127.00	118.00	112.00	123.00	134.00	142.00	143.00	133.00
C93091	136.00	144.00	136.00	147.00	147.00	150.00	157.00	159.00	166.00	186.00
C93092	140.00	152.00	135.00	138.00	139.00	147.00	134.00	SPILLED	158.00	66.00
C93093	156.00	156.00	144.00	164.00	141.00	154.00	152.00	148.00	137.00	161.00
C93094	127.00	141.00	128.00	127.00	132.00	142.00	132.00	151.00	143.00	145.00
C93095	118.00	117.00	118.00	116.00	114.00	116.00	117.00	115.00	133.00	122.00
C93097	142.00	137.00	129.00	131.00	SPILLED	127.00	133.00	131.00	162.00	126.00
C93098	131.00	114.00	116.00	110.00	108.00	127.00	148.00	130.00	132.00	132.00
C93099	139.00	138.00	135.00	140.00	148.00	151.00	151.00	151.00	147.00	143.00
C93100	122.00	159.00	148.00	153.00	141.00	155.00	163.00	169.00	161.00	160.00
C93101	108.00	105.00	128.00	132.00	109.00	113.00	119.00	114.00	113.00	133.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: FEMALE 4 - 5 PPM										
C93102	161.00	160.00	167.00	172.00	169.00	168.00	164.00	196.00	183.00	157.00
C93103	173.00	179.00	157.00	169.00	156.00	159.00	167.00	173.00	178.00	169.00
C93104	174.00	150.00	168.00	170.00	157.00	173.00	169.00	156.00	123.00	151.00
C93105	130.00	136.00	137.00	142.00	139.00	153.00	149.00	159.00	162.00	SPILLED
C93106	117.00	118.00	134.00	125.00	106.00	113.00	138.00	130.00	140.00	152.00
C93107	106.00	122.00	108.00	SPILLED	116.00	109.00	115.00	121.00	122.00	116.00
C93108	107.00	109.00	99.00	107.00	NOT TAKEN					
C93110	183.00	201.00	200.00	184.00	213.00	187.00	224.00	181.00	174.00	213.00
GROUP: FEMALE 5 - 20 PPM										
C93112	127.00	131.00	SPILLED	144.00	111.00					
C93113	119.00	137.00	124.00	120.00	135.00	129.00	124.00	131.00	130.00	139.00
C93115	124.00	129.00	125.00	126.00	128.00	135.00	131.00	140.00	146.00	131.00
C93116	126.00	131.00	130.00	134.00	124.00					
C93117	155.00	161.00	154.00	SPILLED	206.00					
C93118	114.00	124.00	125.00	125.00	116.00	115.00	118.00	122.00	159.00	142.00
C93119	108.00	120.00	116.00	119.00	131.00	126.00	120.00	SPILLED	128.00	138.00
C93120	120.00	131.00	123.00	123.00	109.00					
C93121	95.00	103.00	SPILLED	103.00	107.00	107.00	109.00	354.00	118.00	82.00
C93122	145.00	164.00	160.00	183.00	172.00	166.00	173.00	170.00	189.00	215.00
C93124	105.00	111.00	130.00	123.00	129.00	125.00	129.00	132.00	125.00	128.00
C93125	112.00	122.00	123.00	115.00	117.00	119.00	129.00	123.00	128.00	119.00
C93126	117.00	128.00	121.00	127.00	124.00	63.00				
C93128	106.00	125.00	126.00	121.00	118.00	115.00	117.00	137.00	135.00	130.00
C93129	131.00	143.00	142.00	148.00	152.00	143.00	139.00	SPILLED	190.00	161.00
C93130	126.00	147.00	127.00	139.00	150.00					
C93131	135.00	130.00	137.00	138.00	138.00	139.00	130.00	138.00	157.00	145.00
C93132	131.00	125.00	124.00	135.00	109.00	125.00	128.00	131.00	141.00	123.00
C93133	108.00	162.00	SPILLED	140.00	100.00	146.00	104.00	129.00	142.00	129.00
C93134	128.00	123.00	126.00	133.00	144.00	139.00	106.00	123.00	NOT TAKEN	

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: FEMALE 5 - 20 PPM										
C93135	141.00	152.00	140.00	147.00	145.00	171.00	SPILLED	182.00	202.00	SPILLED
C93136	141.00	152.00	146.00	152.00	159.00					
C93137	128.00	125.00	129.00	140.00	125.00	116.00	144.00	129.00	149.00	154.00
C93138	109.00	119.00	107.00	118.00	138.00					
C93139	130.00	121.00	116.00	124.00	118.00	116.00	124.00	119.00	117.00	124.00
C93140	161.00	166.00	146.00	156.00	170.00	169.00	177.00	180.00	180.00	168.00
C93141	140.00	146.00	138.00	134.00	148.00	145.00	136.00	176.00	160.00	159.00
C93145	SPILLED	SPILLED	SPILLED	146.00	SPILLED	139.00	SPILLED	132.00	123.00	146.00
C93146	90.00	114.00	102.00	137.00	110.00	117.00	126.00	118.00	136.00	132.00
C93147	106.00	114.00	113.00	106.00	118.00					
C93148	146.00	152.00	150.00	157.00	153.00	164.00	169.00	157.00	158.00	158.00
C93149	112.00	135.00	125.00	129.00	127.00	131.00	138.00	139.00	158.00	137.00
C93150	147.00	141.00	142.00	149.00	151.00	144.00	151.00	157.00	162.00	158.00
C93151	126.00	156.00	115.00	114.00	120.00	121.00	128.00	128.00	136.00	132.00
C93152	126.00	132.00	133.00	144.00	162.00	124.00	121.00	104.00		
C93153	121.00	133.00	135.00	141.00	145.00	133.00	142.00	148.00	168.00	170.00
C93154	134.00	135.00	120.00	133.00	116.00					
C93156	119.00	115.00	114.00	116.00	109.00	117.00	114.00	126.00	116.00	113.00
C93157	124.00	137.00	134.00	123.00	131.00	133.00	135.00	136.00	137.00	132.00
C93158	127.00	177.00	135.00	136.00	150.00	139.00	137.00	135.00	143.00	144.00
C93160	175.00	191.00	195.00	SPILLED	SPILLED	208.00	197.00	SPILLED	SPILLED	12.00
C93161	146.00	124.00	139.00	152.00	154.00	152.00	143.00	172.00	136.00	185.00
C93162	124.00	133.00	96.00	124.00	130.00	141.00	149.00	137.00	149.00	SPILLED
C93163	118.00	124.00	107.00	118.00	110.00					
C93164	106.00	116.00	125.00	126.00	132.00	119.00	130.00	126.00	141.00	130.00
C93165	124.00	119.00	114.00	119.00	122.00	124.00	126.00	133.00	136.00	131.00
C93166	108.00	156.00	101.00	109.00	150.00	119.00	134.00	153.00	135.00	138.00
C93167	120.00									
C93168	111.00	124.00	111.00	118.00	136.00	135.00	130.00	145.00	142.00	134.00
C93170	101.00	SPILLED	SPILLED	209.00	159.00	174.00	SPILLED	SPILLED	SPILLED	SPILLED
C93171	132.00	210.00	133.00	131.00	124.00					

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: FEMALE 5 - 20 PPM										
C93172	122.00	128.00	124.00	131.00	126.00	148.00	122.00	152.00	135.00	52.00
C93173	112.00	126.00	118.00	119.00	115.00	135.00	125.00	SPILLED	130.00	130.00
C93174	SPILLED	SPILLED	SPILLED	188.00	190.00	SPILLED	138.00	SPILLED	162.00	139.00
C93175	110.00	112.00	111.00	110.00	113.00	109.00	111.00	113.00	109.00	115.00
C93176	128.00	124.00	115.00	116.00	124.00	134.00	121.00	131.00	138.00	118.00
C93177	113.00	114.00	112.00	115.00	116.00	130.00	118.00	124.00	138.00	118.00
C93178	110.00	109.00	99.00	113.00	107.00	109.00	108.00	115.00	111.00	113.00
C93179	112.00	120.00	107.00	112.00	105.00	120.00	110.00	114.00	115.00	114.00
C93180	135.00	143.00	135.00	157.00	147.00	136.00	117.00			
GROUP: FEMALE 6 - 20 PPM										
C93181	122.00	128.00	118.00	126.00	139.00	109.00	116.00	119.00	149.00	134.00
C93182	110.00	113.00	107.00	113.00	119.00	133.00	124.00	133.00	144.00	142.00
C93183	138.00	115.00	106.00	139.00	142.00	131.00	137.00	129.00	164.00	151.00
C93184	115.00	119.00	120.00	122.00	121.00	127.00	130.00	124.00	148.00	154.00
C93185	130.00	126.00	131.00	129.00	128.00	125.00	137.00	159.00	159.00	142.00
C93186	119.00	124.00	145.00	135.00	144.00	148.00	155.00	150.00	159.00	SPILLED
C93187	137.00	145.00	136.00	136.00	145.00	141.00	137.00	153.00	160.00	150.00
C93188	134.00	142.00	144.00	141.00	147.00	166.00	159.00	172.00	179.00	161.00
C93189	93.00	113.00	150.00	138.00	138.00	117.00	135.00	135.00	126.00	147.00
C93190	137.00	146.00	144.00	148.00	145.00	158.00	158.00	166.00	169.00	174.00
C93191	174.00	164.00	158.00	146.00	146.00	158.00	159.00	172.00	SPILLED	206.00
C93192	124.00	134.00	124.00	133.00	125.00	123.00	147.00	137.00	156.00	148.00
C93193	137.00	165.00	153.00	159.00	155.00	163.00	175.00	185.00	185.00	166.00
C93194	133.00	136.00	131.00	126.00	141.00	145.00	184.00	145.00	153.00	150.00
C93195	125.00	136.00	134.00	135.00	136.00	144.00	147.00	152.00	145.00	
C93196	111.00	115.00	121.00	113.00	123.00	137.00	140.00	122.00	135.00	139.00
C93197	97.00	117.00	101.00	120.00	119.00	SPILLED	SPILLED	SPILLED	165.00	146.00
C93198	115.00	124.00	129.00	129.00	133.00	147.00	144.00	146.00	153.00	162.00
C93199	123.00	124.00	121.00	120.00	119.00	143.00	137.00	67.00		

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: FEMALE 6 - 20 PPM										
C93200	123.00	128.00	122.00	123.00	128.00	136.00	142.00	136.00	141.00	132.00
C93201	103.00	125.00	109.00	146.00	110.00	111.00	133.00	SPILLED	139.00	133.00
C93202	103.00	97.00	99.00	103.00	95.00	103.00	120.00	105.00	129.00	144.00
C93203	140.00	138.00	136.00	139.00	162.00	175.00	162.00	162.00	180.00	169.00
C93204	117.00	125.00	126.00	138.00	135.00	152.00	143.00	123.00	134.00	130.00
C93205	119.00	120.00	115.00	128.00	126.00	123.00	137.00	140.00	152.00	158.00
C93206	124.00	134.00	136.00	139.00	132.00	148.00	157.00	155.00	168.00	159.00
C93207	122.00	SPILLED								
C93208	132.00	115.00	126.00	129.00	114.00	118.00	134.00	160.00	171.00	147.00
C93209	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	168.00	176.00	156.00
C93210	125.00	138.00	139.00	139.00	153.00	SPILLED	161.00	168.00	192.00	SPILLED
C93211	106.00	111.00	105.00	111.00	106.00	SPILLED	120.00	154.00	156.00	140.00
C93212	136.00	155.00	150.00	146.00	145.00	178.00	177.00	131.00	181.00	181.00
C93213	115.00	121.00	96.00	96.00	143.00	136.00	135.00	112.00	156.00	148.00
C93214	126.00	132.00	131.00	125.00	131.00	148.00	153.00	149.00	157.00	171.00
C93215	113.00	120.00	119.00	112.00	125.00	164.00	146.00	138.00	159.00	154.00
C93216	130.00	130.00	132.00	130.00	137.00	152.00	150.00	164.00	157.00	151.00
C93217	146.00	147.00	134.00	135.00	134.00	158.00	161.00	151.00	171.00	154.00
C93218	110.00	122.00	115.00	116.00	127.00	137.00	127.00	135.00	138.00	121.00
C93219	115.00	130.00	136.00	127.00	128.00	151.00	165.00	161.00	170.00	159.00
C93220	133.00	148.00	149.00	143.00	143.00	156.00	135.00	155.00	153.00	142.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP:	MALE 1 - 0 PPM							
C92502	50.00							
C92503	159.00	131.00	147.00	126.00	155.00	170.00	172.00	177.00
C92505	194.00	189.00	205.00	187.00	195.00	167.00	163.00	152.00
C92508	27.00							
C92510	193.00	200.00	196.00	207.00	196.00	200.00	SPILLED	193.00
C92513	181.00	185.00	180.00	168.00	187.00	188.00	179.00	177.00
C92514	211.00	220.00	214.00	175.00	SPILLED	244.00	242.00	214.00
C92515	146.00	176.00	178.00	175.00	170.00	174.00		
C92518	217.00	231.00	234.00	242.00	228.00	SPILLED	263.00	SPILLED
C92519	198.00	NOT TAKEN						
C92520	168.00	61.00						
C92522	177.00	166.00	181.00	169.00	160.00	160.00		
C92527	183.00	56.00	NOT TAKEN					
C92530	112.00							
C92533	205.00	192.00	142.00					
C92535	179.00	198.00	187.00	191.00	190.00	NOT TAKEN		
C92536	195.00							
C92537	222.00	237.00	230.00	231.00	208.00			
C92539	195.00	210.00	195.00	161.00	164.00	21.00		
C92541	224.00	220.00	224.00	229.00	220.00	219.00	195.00	140.00
C92542	203.00	199.00	191.00	198.00	198.00	203.00	182.00	180.00
C92543	187.00	192.00	187.00	187.00	186.00	188.00	NOT TAKEN	
C92544	187.00	172.00	182.00	177.00	184.00	SPILLED	152.00	104.00
C92545	211.00	219.00	227.00	230.00	208.00			
C92547	201.00	171.00	159.00	NOT TAKEN				
C92548	115.00	82.00						
C92549	168.00	NOT TAKEN						
C92550	SPILLED	223.00	210.00	225.00	198.00	247.00	225.00	NOT TAKEN
C92551	187.00	190.00	194.00	188.00	194.00	185.00	191.00	169.00
C92552	208.00	211.00	187.00	181.00	124.00	112.00	40.00	NOT TAKEN
C92554	168.00	182.00	176.00	184.00	174.00	180.00	140.00	
C92557	199.00	164.00	88.00	19.00				

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: MALE 1 - 0 PPM								
C92558	106.00	NOT TAKEN						
C92559	191.00							
C92560	166.00	NOT TAKEN						
C92563	SPILLED	219.00	NOT TAKEN					
C92565	204.00	205.00	198.00	175.00				
C92567	190.00	209.00	183.00	217.00				
C92568	184.00	184.00	195.00	192.00	177.00	167.00	139.00	
C92569	174.00	178.00	179.00	178.00	184.00	176.00	164.00	167.00
GROUP: MALE 2 - 0.5 PPM								
C92571	206.00	230.00	221.00	237.00	230.00	122.00	SPILLED	
C92572	196.00	199.00	200.00	203.00	197.00	195.00	58.00	
C92573	167.00	92.00	NOT TAKEN					
C92576	209.00	188.00	207.00	208.00	219.00	121.00		
C92577	191.00	171.00	197.00	199.00	200.00	193.00	183.00	170.00
C92578	191.00	162.00	71.00					
C92579	143.00	103.00	108.00					
C92580	44.00							
C92581	240.00	193.00	229.00	205.00	169.00	107.00	197.00	1.00
C92582	162.00	139.00	169.00	167.00	170.00	147.00	SPILLED	
C92583	174.00	163.00	178.00	184.00	178.00	188.00	158.00	133.00
C92587	202.00	178.00	105.00	NOT TAKEN				
C92588	185.00	170.00	192.00	196.00	211.00	178.00	83.00	
C92589	218.00	177.00	179.00	175.00	145.00	98.00	NOT TAKEN	
C92590	200.00	189.00	202.00	210.00	213.00	205.00	229.00	223.00
C92591	190.00	186.00	180.00	189.00	175.00	NOT TAKEN		
C92592	188.00	181.00	202.00	NOT TAKEN				
C92594	195.00	183.00	194.00	197.00	193.00	NOT TAKEN		
C92595	148.00	130.00	NOT TAKEN					
C92597	163.00	177.00	178.00	139.00	168.00	168.00	170.00	SPILLED

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: MALE 2 - 0.5 PPM								
C92598	177.00	184.00	190.00	181.00	183.00	190.00	181.00	169.00
C92601	187.00	204.00	197.00	184.00	203.00	204.00	203.00	186.00
C92602	186.00	218.00	193.00	188.00	177.00	178.00	167.00	181.00
C92604	103.00	118.00	106.00	90.00				
C92605	187.00	197.00	197.00	194.00	171.00	126.00	133.00	NOT TAKEN
C92606	189.00							
C92607	221.00	211.00	91.00	82.00				
C92608	23.00							
C92609	187.00	201.00	200.00	200.00	198.00	208.00	202.00	NOT TAKEN
C92611	177.00	165.00	166.00	NOT TAKEN				
C92612	34.00							
C92614	SPILLED	SPILLED	SPILLED	SPILLED	NOT TAKEN			
C92615	185.00	174.00	161.00	50.00				
C92617	134.00	68.00						
C92619	165.00	172.00	175.00	178.00	192.00	175.00	192.00	181.00
C92620	172.00	162.00	205.00	188.00	117.00	NOT TAKEN		
C92622	207.00	178.00						
C92623	156.00	151.00	160.00	164.00	162.00	161.00	165.00	175.00
C92625	168.00	104.00	NOT TAKEN					
C92626	178.00	187.00	199.00	SPILLED	SPILLED	201.00	SPILLED	158.00
C92629	101.00							
C92630	204.00	154.00	67.00	NOT TAKEN				
GROUP: MALE 3 - 2 PPM								
C92631	182.00	189.00	193.00	184.00	201.00	205.00	199.00	199.00
C92632	195.00	180.00	181.00	173.00	SPILLED	186.00	187.00	
C92633	202.00	197.00	197.00	183.00	199.00	219.00	209.00	250.00
C92634	197.00	202.00	201.00					
C92635	28.00							
C92636	SPILLED	SPILLED	199.00	SPILLED	SPILLED	SPILLED		

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: MALE 3 - 2 PPM								
C92637	186.00	180.00	185.00	191.00	191.00	179.00	194.00	219.00
C92638	211.00	194.00	122.00	116.00				
C92639	99.00	194.00	36.00					
C92641	162.00	162.00	172.00	165.00	180.00	199.00	SPILLED	83.00
C92642	164.00	166.00	181.00	172.00	184.00	184.00	194.00	194.00
C92643	196.00	190.00	201.00	171.00	179.00	199.00	181.00	188.00
C92644	185.00	188.00	182.00	196.00	201.00	187.00	185.00	148.00
C92647	162.00	NOT TAKEN						
C92648	147.00	141.00	SPILLED					
C92649	188.00	SPILLED	188.00	202.00	223.00	204.00	201.00	201.00
C92651	92.00	42.00						
C92653	213.00	215.00	220.00	202.00	213.00	207.00	206.00	105.00
C92654	95.00							
C92655	216.00	212.00	211.00	171.00	123.00			
C92656	195.00	186.00	201.00	184.00	89.00	33.00		
C92657	189.00	177.00	196.00	195.00	210.00	203.00	204.00	192.00
C92658	191.00	212.00	211.00	199.00	180.00			
C92659	198.00	197.00	SPILLED	154.00	172.00	SPILLED	SPILLED	SPILLED
C92660	199.00	180.00	198.00	183.00	SPILLED	202.00	199.00	201.00
C92661	203.00	210.00	15.00	114.00				
C92663	236.00	226.00	218.00	240.00	213.00			
C92664	69.00							
C92665	212.00	211.00	SPILLED	NOT TAKEN				
C92666	NOT TAKEN							
C92667	5.00							
C92669	191.00	201.00	211.00	206.00	216.00	225.00	225.00	178.00
C92671	203.00	188.00	235.00	213.00	188.00			
C92672	202.00	198.00	226.00	204.00	164.00			
C92673	215.00	219.00	213.00	196.00	173.00			
C92674	209.00	204.00	111.00	196.00	198.00	214.00	211.00	205.00
C92675	191.00	188.00	189.00	179.00	160.00	130.00	81.00	

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: MALE 3 - 2 PPM								
C92677	199.00	177.00	190.00	200.00	202.00	204.00		
C92680	143.00	105.00	NOT TAKEN					
C92681	182.00	164.00	148.00					
C92682	197.00	215.00	202.00	231.00	224.00	203.00	230.00	224.00
C92683	203.00	217.00	213.00	217.00	211.00	213.00	207.00	SPILLED
C92685	132.00							
C92686	238.00	164.00						
C92688	SPILLED	SPILLED	SPILLED	SPILLED	89.00	91.00		
C92690	236.00	233.00	203.00	247.00	229.00	228.00	243.00	SPILLED
GROUP: MALE 4 - 5 PPM								
C92691	173.00	178.00	179.00	188.00	171.00	187.00	186.00	165.00
C92693	SPILLED	182.00	187.00	192.00	194.00	159.00	148.00	156.00
C92694	190.00	197.00	204.00	201.00	207.00	210.00	206.00	206.00
C92695	174.00	183.00	180.00	191.00	179.00	190.00	192.00	199.00
C92696	173.00	210.00	211.00	215.00	206.00	218.00	216.00	217.00
C92698	216.00	216.00	232.00	231.00	228.00	215.00	143.00	15.00
C92699	184.00	176.00	171.00	170.00	170.00	163.00	181.00	175.00
C92700	158.00	175.00	188.00	173.00	203.00	187.00	154.00	120.00
C92702	191.00	195.00	205.00	197.00	208.00	217.00	135.00	106.00
C92704	187.00	190.00	204.00	201.00	198.00	209.00	197.00	187.00
C92705	193.00	183.00	191.00	193.00	198.00	205.00	224.00	220.00
C92706	231.00	SPILLED	214.00	250.00	SPILLED	174.00		
C92707	175.00	177.00	182.00	27.00				
C92708	173.00	155.00	195.00	203.00	192.00	197.00	194.00	209.00
C92709	150.00	131.00	98.00	107.00				
C92711	170.00	187.00	199.00	97.00	NOT TAKEN			
C92712	210.00	169.00	132.00					
C92716	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	167.00	SPILLED	SPILLED
C92717	228.00	214.00	224.00	231.00	219.00	186.00	174.00	177.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: MALE 4 - 5 PPM								
C92720	217.00	173.00						
C92721	213.00	NOT TAKEN						
C92723	SPILLED							
C92724	214.00	197.00	219.00	231.00	228.00	235.00	215.00	229.00
C92726	194.00	192.00	191.00	200.00	195.00	SPILLED	225.00	219.00
C92727	193.00	183.00	183.00	126.00				
C92729	106.00							
C92730	196.00	191.00	198.00	190.00	193.00	152.00	114.00	89.00
C92732	189.00	185.00						
C92733	186.00	191.00	88.00	22.00				
C92735	198.00	194.00	201.00	198.00	190.00	195.00	196.00	198.00
C92736	196.00	190.00	198.00	190.00	184.00	189.00	220.00	201.00
C92737	192.00	192.00	179.00	68.00				
C92738	207.00	217.00	210.00	260.00	NOT TAKEN			
C92739	186.00	188.00	195.00	188.00	197.00	207.00	203.00	172.00
C92740	176.00	201.00	196.00	199.00	179.00	197.00	210.00	211.00
C92741	SPILLED	SPILLED	144.00	29.00				
C92742	SPILLED	198.00	190.00	195.00	210.00	211.00	210.00	187.00
C92743	245.00	234.00	NOT TAKEN					
C92745	241.00	212.00	105.00	50.00				
C92746	235.00							
C92747	195.00	181.00	193.00	SPILLED	SPILLED	SPILLED	SPILLED	CNTMD
C92748	SPILLED	247.00	235.00	160.00	218.00	189.00	184.00	121.00
C92749	179.00	184.00	191.00	183.00	186.00	198.00	196.00	
C92750	198.00	188.00	197.00	197.00	187.00	202.00	183.00	98.00
GROUP: MALE 5 - 20 PPM								
C92753	214.00	197.00	229.00	228.00	220.00	234.00	187.00	159.00
C92756	224.00	210.00	86.00	NOT TAKEN				
C92757	218.00	194.00	201.00	203.00	176.00	152.00	159.00	100.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: MALE 5 - 20 PPM								
C92761	188.00	194.00	176.00	200.00	179.00	207.00	252.00	SPILLED
C92762	193.00	176.00	182.00	193.00	192.00	185.00	170.00	162.00
C92763	SPILLED	214.00	229.00	219.00	68.00			
C92764	NOT TAKEN							
C92766	197.00	168.00	181.00	165.00	176.00	181.00	167.00	
C92767	190.00	250.00	254.00	297.00	228.00	50.00		
C92768	207.00	204.00	206.00	203.00	163.00			
C92769	208.00	218.00	215.00	169.00	213.00	197.00	140.00	
C92770	215.00	SPILLED	SPILLED	219.00	207.00	215.00	99.00	
C92771	204.00	26.00						
C92773	180.00	190.00	169.00	176.00	188.00	187.00	201.00	183.00
C92774	180.00	167.00	183.00	196.00	184.00	183.00	199.00	174.00
C92775	213.00	218.00	232.00	217.00	209.00	191.00	166.00	42.00
C92776	191.00	178.00	199.00	202.00	206.00	198.00	190.00	202.00
C92780	SPILLED	222.00	SPILLED	232.00	238.00	188.00	125.00	69.00
C92781	43.00							
C92782	212.00	219.00	206.00	215.00	210.00	254.00	236.00	214.00
C92783	120.00							
C92784	134.00	NOT TAKEN						
C92785	190.00	202.00	204.00	188.00	194.00	167.00		
C92786	206.00	201.00	201.00	205.00	209.00	206.00	215.00	212.00
C92788	209.00	193.00	215.00	211.00	203.00	208.00	202.00	215.00
C92791	205.00	199.00	214.00	199.00	204.00	210.00	203.00	210.00
C92792	196.00	189.00	209.00	190.00	186.00	186.00	183.00	144.00
C92797	205.00	190.00	223.00	184.00	38.00			
C92800	184.00	171.00	179.00	165.00	158.00	171.00	155.00	153.00
C92802	217.00	215.00	223.00	204.00	209.00	223.00	225.00	199.00
C92803	175.00	169.00	178.00	176.00	184.00	175.00	182.00	192.00
C92804	203.00	199.00	222.00	209.00	200.00	202.00	228.00	231.00
C92806	192.00	196.00	180.00	203.00	185.00	157.00		
C92807	198.00	138.00	102.00					

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: MALE 5 - 20 PPM								
C92808	175.00	171.00	175.00	181.00	180.00	188.00	178.00	175.00
C92809	186.00	191.00	204.00	202.00	221.00	238.00	207.00	173.00
C92810	220.00	216.00	231.00	153.00	91.00	31.00		
C92813	224.00	188.00	208.00	178.00	201.00	159.00	NOT TAKEN	
C92814	142.00	153.00	142.00	148.00	157.00	151.00	146.00	158.00
C92815	SPILLED	214.00	SPILLED	227.00	SPILLED	SPILLED	252.00	249.00
C92818	179.00	181.00	189.00	199.00	194.00	193.00	180.00	189.00
C92819	184.00	188.00	203.00	205.00	225.00	SPILLED	219.00	NOT TAKEN
GROUP: MALE 6 - 20 PPM								
C92821	198.00	190.00	187.00	203.00	178.00	172.00	197.00	173.00
C92822	98.00	76.00						
C92823	187.00	198.00	197.00	205.00	167.00	186.00	217.00	209.00
C92824	84.00	215.00	165.00	210.00	206.00			
C92825	263.00	229.00	257.00	226.00	223.00			
C92827	192.00	206.00	201.00	202.00	209.00	194.00	223.00	217.00
C92828	196.00	194.00						
C92829	220.00	204.00	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	98.00
C92830	139.00	130.00	126.00	SPILLED	99.00	168.00		
C92831	148.00	192.00	117.00					
C92833	217.00	202.00	217.00	174.00	SPILLED	SPILLED	SPILLED	122.00
C92834	202.00	187.00	180.00	196.00	186.00	192.00	175.00	184.00
C92836	196.00	205.00	195.00	181.00				
C92839	249.00	SPILLED	184.00	111.00				
C92840	164.00	175.00	181.00	188.00	199.00	190.00	71.00	
C92842	201.00	179.00	195.00	180.00				
C92843	212.00							
C92844	165.00	120.00						
C92845	174.00	188.00	184.00	191.00	206.00			
C92846	155.00	167.00	181.00	240.00	210.00	178.00	155.00	

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: MALE 6 - 20 PPM								
C92847	256.00	245.00	218.00	218.00	151.00	89.00		
C92848	161.00	154.00	92.00	144.00	SPILLED	SPILLED	SPILLED	SPILLED
C92850	182.00	207.00	197.00	181.00	159.00	115.00	132.00	62.00
C92851	194.00	204.00	224.00	187.00	180.00	170.00	205.00	197.00
C92853	209.00	209.00	209.00	204.00	203.00	205.00	177.00	108.00
C92854	208.00	218.00	212.00	207.00	221.00	204.00	155.00	
C92856	181.00	187.00	183.00	134.00	194.00	180.00	160.00	178.00
C92857	197.00	106.00						
C92858	202.00	191.00	210.00	203.00	58.00	60.00		
C92860	197.00	194.00	184.00	188.00	193.00	74.00		
GROUP: FEMALE 1 - 0 PPM								
C92863	110.00	121.00						
C92866	134.00	139.00	132.00	136.00	144.00	120.00	92.00	83.00
C92867	144.00	150.00	154.00	130.00	141.00	148.00	147.00	150.00
C92868	143.00	159.00	159.00	156.00	153.00	169.00	163.00	174.00
C92869	161.00	146.00	181.00	140.00	SPILLED	141.00	144.00	147.00
C92870	139.00	159.00	168.00	159.00	117.00	110.00	108.00	25.00
C92871	142.00	155.00	170.00	166.00	161.00	170.00	175.00	179.00
C92872	158.00	159.00	179.00	147.00				
C92873	144.00	159.00	140.00	160.00	147.00	164.00	143.00	149.00
C92874	155.00	160.00	160.00	163.00	156.00	156.00	159.00	111.00
C92875	35.00							
C92877	127.00	137.00	145.00	154.00	120.00	156.00	158.00	130.00
C92878	150.00	203.00						
C92879	132.00	50.00	114.00	SPILLED	SPILLED			
C92881	141.00	141.00	156.00	155.00	147.00	139.00	152.00	142.00
C92882	134.00	127.00	152.00	139.00	141.00	108.00	156.00	127.00
C92883	143.00	131.00	79.00					
C92884	139.00	140.00	102.00	97.00	SPILLED	NOT TAKEN		

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: FEMALE 1 - 0 PPM								
C92885	152.00	156.00	152.00	154.00	152.00	157.00	142.00	122.00
C92886	154.00	159.00						
C92888	139.00							
C92890	172.00	167.00	136.00	161.00	136.00	179.00	176.00	129.00
C92891	117.00	107.00	141.00					
C92892	166.00	185.00	187.00	169.00	183.00	175.00	166.00	151.00
C92893	140.00	125.00	165.00	NOT TAKEN				
C92895	129.00	136.00	125.00	116.00	124.00	110.00	138.00	145.00
C92896	129.00	158.00	140.00	143.00	148.00	137.00	145.00	140.00
C92897	152.00	176.00	144.00	186.00	156.00	119.00	78.00	94.00
C92901	46.00							
C92902	202.00	185.00	174.00	NOT TAKEN				
C92904	140.00	161.00	161.00	150.00	161.00	161.00	153.00	
C92906	117.00	118.00	133.00	121.00	147.00	150.00	SPILLED	102.00
C92907	119.00	126.00	139.00	133.00	130.00	125.00	127.00	134.00
C92908	151.00	151.00	136.00	SPILLED	SPILLED			
C92909	126.00	121.00	124.00	118.00	127.00	126.00	119.00	75.00
C92911	117.00	114.00	113.00	120.00	131.00	125.00	132.00	116.00
C92912	174.00	181.00	156.00	183.00	180.00	193.00	SPILLED	SPILLED
C92913	132.00	134.00	133.00	125.00	136.00	116.00	129.00	96.00
C92915	173.00	156.00	177.00	149.00	24.00	NOT TAKEN		
C92916	187.00	172.00	197.00	60.00	SPILLED			
C92924	155.00	156.00	99.00					
C92925	148.00	155.00	180.00	123.00	115.00	112.00	51.00	209.00
C92927	154.00	152.00	151.00	141.00	153.00	147.00	135.00	131.00
C92928	176.00	140.00						
GROUP: FEMALE 2 - 0.5 PPM								
C92933	147.00	146.00	171.00	163.00	NOT TAKEN			
C92934	133.00	121.00	76.00					

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: FEMALE 2 - 0.5 PPM								
C92935	127.00	62.00	71.00	NOT TAKEN				
C92936	140.00	135.00	148.00	120.00	111.00	123.00	98.00	SPILLED
C92938	169.00	177.00	171.00	173.00	173.00	200.00	171.00	SPILLED
C92940	185.00	SPILLED	SPILLED					
C92943	166.00	174.00	92.00	82.00	62.00	76.00		
C92946	142.00	126.00	146.00	137.00	146.00	146.00	157.00	140.00
C92947	136.00	158.00	146.00	111.00	55.00			
C92948	157.00	176.00	192.00	195.00	164.00	19.00		
C92951	125.00	158.00	126.00	111.00	132.00	141.00	128.00	
C92953	124.00	116.00	119.00	124.00	128.00	122.00	114.00	142.00
C92954	182.00	156.00	182.00	181.00	SPILLED	174.00	7.00	
C92955	152.00	145.00	124.00	109.00	NOT TAKEN			
C92956	164.00	173.00	159.00	167.00	165.00	152.00	114.00	
C92957	146.00	146.00	134.00	153.00	126.00	SPILLED	SPILLED	SPILLED
C92958	143.00	141.00	91.00	78.00				
C92959	150.00	167.00	175.00	184.00	189.00	65.00		
C92960	147.00	153.00	170.00	168.00	SPILLED	SPILLED	SPILLED	SPILLED
C92961	186.00	SPILLED	SPILLED	195.00	164.00	SPILLED		
C92963	109.00	117.00	120.00	132.00	SPILLED			
C92964	147.00	157.00	170.00	155.00	147.00	134.00	159.00	SPILLED
C92965	147.00	17.00						
C92970	169.00	171.00	165.00	145.00	143.00	132.00	47.00	55.00
C92971	137.00	150.00	175.00	189.00				
C92972	143.00	153.00	181.00	152.00	59.00	NOT TAKEN		
C92973	161.00	170.00	189.00	179.00	174.00	164.00	174.00	113.00
C92974	131.00	132.00	139.00	147.00	138.00	134.00	92.00	93.00
C92975	162.00	180.00	181.00	147.00	174.00	146.00	125.00	165.00
C92976	221.00	213.00	170.00	181.00	148.00	147.00	36.00	
C92977	159.00	178.00	176.00	176.00	169.00	151.00		
C92979	121.00	138.00	132.00	5.00				
C92983	145.00	135.00	151.00	137.00	156.00	144.00	102.00	53.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: FEMALE 2 - 0.5 PPM								
C92984	171.00	177.00	175.00	136.00	134.00	152.00	113.00	114.00
C92985	180.00	201.00	171.00	144.00	118.00	65.00		
C92986	122.00	125.00	147.00	135.00	140.00	131.00	146.00	146.00
C92988	158.00	134.00	158.00	146.00	154.00	157.00	170.00	161.00
C92989	170.00	140.00						
C92990	158.00	148.00	149.00	135.00	142.00			
GROUP: FEMALE 3 - 2 PPM								
C92991	158.00	164.00	147.00	151.00	155.00	162.00	146.00	
C92992	148.00	141.00	NOT TAKEN					
C92994	126.00	18.00						
C92997	108.00	85.00						
C92999	118.00	111.00	88.00	111.00	NOT TAKEN			
C93001	128.00	54.00	NOT TAKEN					
C93002	137.00	36.00						
C93003	181.00	158.00	179.00	SPILLED	SPILLED	144.00	106.00	
C93005	137.00	70.00	127.00	140.00				
C93007	128.00	124.00	133.00	143.00	164.00	142.00	153.00	
C93009	130.00	118.00	119.00	98.00	NOT TAKEN			
C93010	158.00	147.00	121.00	48.00				
C93011	143.00	161.00	166.00	156.00	158.00	159.00	168.00	
C93012	140.00	SPILLED						
C93013	72.00	52.00	67.00					
C93014	NOT TAKEN							
C93015	156.00	158.00	170.00	158.00	189.00	92.00	209.00	
C93016	SPILLED	107.00						
C93017	191.00	172.00	210.00	130.00				
C93022	168.00	168.00	167.00	148.00	145.00	149.00	130.00	
C93024	147.00	63.00	98.00					
C93025	154.00	159.00	167.00	170.00	173.00	164.00	142.00	

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: FEMALE 3 - 2 PPM								
C93026	167.00	132.00	132.00	149.00	139.00	109.00	115.00	
C93027	140.00	153.00	114.00	24.00				
C93028	157.00	134.00	98.00	92.00	NOT TAKEN			
C93030	157.00	145.00	157.00	135.00	143.00	NOT TAKEN		
C93032	64.00	NOT TAKEN						
C93034	128.00	171.00						
C93036	197.00	194.00	125.00					
C93039	148.00	141.00	148.00	144.00	144.00	180.00	154.00	
C93040	122.00	144.00	135.00	142.00	68.00	164.00	103.00	
C93041	148.00	75.00						
C93042	181.00	178.00	134.00	115.00	68.00			
C93043	SPILLED	SPILLED	176.00	150.00	155.00	SPILLED		
C93046	160.00	NOT TAKEN						
C93047	214.00	204.00	200.00	200.00	214.00	213.00	205.00	
C93048	142.00	135.00	134.00	115.00	133.00	135.00	149.00	
C93050	152.00	148.00	165.00	190.00	171.00	75.00		
GROUP: FEMALE 4 - 5 PPM								
C93055	7.00							
C93056	156.00	167.00	158.00	155.00	101.00	70.00		
C93057	129.00	135.00	143.00	141.00	85.00	105.00		
C93059	161.00	152.00	158.00	164.00	167.00	157.00	162.00	158.00
C93060	146.00	160.00	152.00	167.00	131.00	142.00	103.00	138.00
C93061	SPILLED	NOT TAKEN						
C93062	122.00	136.00	132.00	131.00	141.00	144.00	139.00	123.00
C93063	152.00	135.00	140.00	139.00	150.00	154.00	153.00	124.00
C93065	58.00	104.00	128.00	126.00	SPILLED			
C93066	SPILLED	157.00	138.00	143.00	144.00			
C93068	163.00	141.00	155.00	149.00	138.00	144.00	94.00	
C93069	161.00	147.00	178.00	202.00	212.00	243.00	151.00	

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: FEMALE 4 - 5 PPM								
C93072	136.00	149.00	138.00	134.00	145.00	145.00	140.00	154.00
C93074	158.00	51.00						
C93076	188.00	160.00	204.00	130.00	48.00			
C93077	169.00	174.00	182.00	164.00	159.00	157.00	144.00	156.00
C93078	131.00	157.00	144.00	175.00	181.00	199.00	209.00	219.00
C93079	149.00	168.00	181.00	173.00	152.00	169.00	184.00	160.00
C93080	154.00	169.00	SPILLED	162.00	137.00	SPILLED	SPILLED	199.00
C93081	130.00	123.00	125.00	133.00	132.00	138.00	SPILLED	140.00
C93082	141.00	144.00	166.00	158.00	145.00	32.00		
C93083	152.00	169.00	195.00	170.00	155.00	160.00	139.00	161.00
C93086	67.00	78.00	118.00	112.00				
C93087	112.00	133.00	138.00	135.00	150.00	126.00	NOT TAKEN	
C93088	126.00							
C93089	128.00	131.00	138.00	140.00	63.00			
C93090	144.00	132.00	146.00	142.00	145.00	147.00	142.00	92.00
C93091	111.00							
C93092	59.00							
C93093	161.00	148.00	136.00	147.00	142.00	NOT TAKEN		
C93094	132.00	157.00	160.00	129.00	144.00	NOT TAKEN		
C93095	123.00	145.00	132.00	102.00	147.00	110.00	110.00	12.00
C93097	143.00	130.00	139.00	137.00	150.00	114.00		
C93098	128.00	130.00	138.00	123.00	138.00	130.00	126.00	125.00
C93099	165.00	148.00	146.00	116.00	105.00	NOT TAKEN		
C93100	155.00	162.00	168.00	156.00				
C93101	137.00	114.00	126.00	118.00	136.00	125.00	130.00	144.00
C93102	163.00	181.00	193.00	189.00	SPILLED	SPILLED	SPILLED	224.00
C93103	189.00	197.00	146.00	170.00	165.00	59.00		
C93104	3.00	108.00	NOT TAKEN					
C93105	127.00	SPILLED	56.00	SPILLED				
C93106	147.00	142.00	145.00	140.00	127.00			
C93107	101.00	128.00	130.00	128.00	96.00	133.00	133.00	138.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: FEMALE 4 - 5 PPM								
C93110	192.00	209.00	169.00	83.00				
GROUP: FEMALE 5 - 20 PPM								
C93113	129.00	163.00	140.00	157.00	165.00	131.00	159.00	171.00
C93115	161.00	155.00	164.00	157.00	163.00	167.00	129.00	118.00
C93118	151.00	121.00	SPILLED	194.00	168.00			
C93119	141.00	162.00	155.00	159.00	NOT TAKEN			
C93121	76.00							
C93122	176.00	219.00	223.00	152.00	NOT TAKEN			
C93124	128.00	126.00	123.00	160.00	138.00	144.00	177.00	176.00
C93125	116.00	124.00	127.00	111.00	116.00	112.00	SPILLED	SPILLED
C93128	127.00	148.00	149.00	150.00	146.00	143.00		
C93129	155.00	161.00	168.00	143.00	97.00	65.00		
C93131	147.00	123.00	163.00	152.00	78.00	NOT TAKEN		
C93132	136.00	129.00	140.00	144.00	116.00	131.00	201.00	2.00
C93133	140.00	129.00	134.00	126.00	123.00	136.00	134.00	134.00
C93135	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	92.00
C93137	152.00	200.00	178.00	146.00	161.00	104.00	145.00	119.00
C93139	124.00	141.00	136.00	SPILLED	118.00	128.00	121.00	135.00
C93140	176.00	172.00	178.00	178.00	182.00	174.00	164.00	127.00
C93141	151.00	177.00	175.00	162.00	167.00	133.00	NOT TAKEN	
C93146	141.00	141.00	144.00	147.00	132.00	126.00	137.00	106.00
C93148	158.00	175.00	178.00	173.00				
C93149	133.00	141.00	139.00	154.00	130.00	155.00	58.00	94.00
C93150	156.00	153.00	136.00	142.00	NOT TAKEN			
C93151	131.00	132.00	127.00	122.00	137.00	122.00	149.00	142.00
C93153	166.00	147.00	166.00	163.00	139.00	204.00	135.00	SPILLED
C93156	44.00	196.00	141.00					
C93157	143.00	142.00	151.00	148.00	144.00	157.00	150.00	155.00
C93158	114.00	139.00	149.00	146.00	140.00	145.00	150.00	145.00

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: FEMALE 5 - 20 PPM								
C93160	NOT TAKEN							
C93161	184.00	135.00	193.00	SPILLED	202.00	209.00	215.00	221.00
C93162	141.00	137.00	142.00	139.00	140.00	133.00	124.00	SPILLED
C93164	159.00	147.00	160.00	156.00	175.00	189.00	147.00	164.00
C93165	138.00	139.00	138.00	118.00	137.00	153.00	133.00	127.00
C93166	139.00	125.00	155.00	126.00	142.00	139.00	150.00	139.00
C93168	136.00	137.00	146.00	178.00	132.00	131.00	122.00	130.00
C93170	SPILLED	196.00	165.00	115.00	101.00			
C93172	73.00							
C93173	139.00	125.00	109.00	164.00	153.00	139.00	97.00	
C93174	153.00	164.00	SPILLED	143.00	147.00	SPILLED	150.00	150.00
C93175	119.00	106.00	106.00	113.00	NOT TAKEN			
C93176	130.00	110.00	76.00	NOT TAKEN				
C93177	133.00	153.00	129.00	112.00	109.00	124.00	133.00	148.00
C93178	114.00	111.00	120.00	117.00	114.00	119.00	104.00	120.00
C93179	112.00	119.00	108.00	111.00	117.00	123.00	95.00	139.00
GROUP: FEMALE 6 - 20 PPM								
C93181	130.00	128.00	137.00	117.00	144.00	143.00	133.00	150.00
C93182	136.00	159.00	159.00	143.00	150.00	159.00	152.00	152.00
C93183	146.00	164.00	163.00	168.00	173.00	167.00	141.00	SPILLED
C93184	153.00	157.00	156.00	158.00	175.00	161.00	171.00	163.00
C93185	149.00	148.00	148.00	141.00	160.00	158.00	155.00	150.00
C93187	144.00	172.00	161.00	59.00	SPILLED	133.00	84.00	NOT TAKEN
C93188	178.00	176.00	170.00	188.00	186.00	SPILLED	SPILLED	116.00
C93189	127.00	130.00	64.00					
C93190	158.00	154.00	163.00	143.00	134.00	59.00	67.00	154.00
C93191	179.00	186.00	196.00	SPILLED				
C93192	171.00	143.00	143.00	167.00	149.00	159.00	168.00	132.00
C93193	NOT TAKEN							

Appendix 4

Individual Food Consumption Data (g)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: FEMALE 6 - 20 PPM								
C93194	149.00	149.00	135.00	189.00	NOT TAKEN			
C93196	132.00	128.00	105.00	NOT TAKEN				
C93197	146.00	159.00	152.00	SPILLED	SPILLED	151.00	144.00	156.00
C93198	144.00	171.00	164.00	137.00	158.00	155.00	146.00	145.00
C93200	129.00	128.00	150.00	149.00	120.00	NOT TAKEN		
C93201	141.00	130.00	129.00	126.00	156.00	122.00	143.00	156.00
C93202	130.00	109.00	133.00	134.00	132.00	147.00	140.00	159.00
C93203	139.00	159.00	84.00	130.00				
C93204	139.00	129.00	146.00	SPILLED	NOT TAKEN			
C93205	158.00	146.00	152.00	141.00	140.00	162.00	146.00	93.00
C93206	161.00	155.00	154.00	158.00	151.00	29.00	37.00	NOT TAKEN
C93208	159.00	142.00						
C93209	204.00	151.00	187.00	171.00	169.00	SPILLED	170.00	172.00
C93210	150.00	151.00	181.00	173.00	137.00	SPILLED	54.00	30.00
C93211	129.00	144.00	153.00	131.00	148.00	131.00	143.00	73.00
C93212	154.00	101.00	NOT TAKEN					
C93213	115.00	99.00	NOT TAKEN					
C93214	157.00	175.00	167.00	167.00	184.00	SPILLED		
C93215	123.00	59.00	SPILLED					
C93216	163.00	143.00	162.00	158.00	168.00	163.00	164.00	171.00
C93217	176.00	142.00	196.00	167.00				
C93218	151.00	141.00	139.00	128.00				
C93219	177.00	187.00	185.00	191.00	183.00	194.00	192.00	206.00
C93220	158.00	159.00	165.00	151.00	163.00	SPILLED	150.00	154.00

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

GROUP: MALE 2 - 0.5 PPM

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
C92571	0.055	0.049	0.044	0.038	0.035	0.035	SPILLED	0.033	SPILLED	0.032
C92572	0.061	0.049	0.042	0.041	0.037	0.035	0.034	0.031	0.031	0.031
C92573	0.056	0.049	SPILLED	0.036	0.037	0.035	SPILLED	0.030	0.029	0.026
C92574	0.053	0.046	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92575	0.053	CNTMD	0.038	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92576	0.051	0.044	0.039	0.036	0.033	0.031	0.029	0.029	0.027	0.026
C92577	0.060	0.050	0.044	0.039	0.035	SPILLED	0.035	0.030	0.027	0.027
C92578	0.060	0.047	0.040	0.037	0.035	SPILLED	0.035	0.030	0.029	0.029
C92579	0.052	0.045	0.041	0.037	0.035	0.032	0.032	0.030	0.027	0.026
C92580	0.059	0.049	0.042	0.038	0.036	SPILLED	SPILLED	0.029	0.028	SPILLED
C92581	0.054	0.044	0.039	0.036	0.032	0.031	0.031	0.029	0.027	0.025
C92582	0.061	0.050	SPILLED	SPILLED	0.034	0.032	0.033	0.030	0.029	0.026
C92583	0.054	SPILLED	0.039	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	0.028	0.028
C92584	SPILLED	0.050	0.045	0.041	0.037	0.035	0.033	0.032	0.031	0.029
C92585	0.054	CNTMD	0.040	0.032	0.035	0.033	CNTMD	0.031	0.027	0.028
C92586	0.057	0.046	0.042	0.037	0.038	0.034	0.033	0.031	0.029	0.028
C92587	0.060	0.047	0.042	0.037	0.038	0.034	0.034	0.030	0.028	0.027
C92588	SPILLED	0.045	0.041	0.037	0.037	0.034	SPILLED	SPILLED	SPILLED	SPILLED
C92589	0.058	0.048	0.043	0.038	0.036	0.033	0.032	0.029	0.028	0.027
C92590	0.061	0.050	0.043	0.039	0.035	SPILLED	0.026	0.030	0.029	0.028
C92591	0.052	0.043	0.040	0.037	0.034	0.031	SPILLED	SPILLED	0.027	0.026
C92592	0.060	0.049	0.042	0.038	0.034	0.032	0.031	0.029	0.027	0.026
C92593	0.053	0.045	0.039	0.036	0.032	0.030	0.029	0.027	0.026	0.026
C92594	0.056	0.047	SPILLED	0.040	0.037	0.036	0.035	0.033	SPILLED	0.030
C92595	0.053	0.045	0.044	0.036	0.034	0.033	0.031	0.030	0.028	0.027
C92596	0.053	0.044	0.041	0.038	0.036	0.034	0.032	0.031	0.030	0.029
C92597	0.053	0.044	0.040	0.037	0.039	0.036	0.034	0.032	SPILLED	0.030
C92598	0.059	0.048	0.045	0.040	0.036	0.035	0.033	0.031	0.029	0.028
C92599	0.051	0.044	0.039	0.034	0.035	SPILLED	SPILLED	0.030	0.029	0.027
C92600	0.058	0.046	0.043	0.039	0.036	0.034	0.033	0.030	0.029	0.027
C92601	0.059	0.049	0.045	0.040	0.034	0.032	0.030	0.028	0.027	0.025

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

GROUP: MALE 2 - 0.5 PPM

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
C92602	0.059	0.047	0.043	0.042	0.037	0.034	0.033	SPILLED	0.032	0.029
C92603	0.055	SPILLED	SPILLED	SPILLED	0.034	SPILLED	SPILLED	SPILLED	0.029	0.028
C92604	0.052	0.046	0.041	0.037	0.034	0.033	0.032	0.030	0.029	0.027
C92605	0.051	0.042	0.039	0.035	0.034	SPILLED	0.030	0.028	0.028	0.026
C92606	0.057	0.048	0.046	0.039	0.036	0.034	0.032	0.032	0.031	0.029
C92607	0.063	0.052	0.046	0.041	0.037	0.034	SPILLED	SPILLED	0.030	0.028
C92608	0.055	0.045	0.043	0.038	SPILLED	SPILLED	SPILLED	SPILLED	0.030	0.029
C92609	0.057	0.047	0.042	0.038	0.035	0.033	0.032	0.029	0.028	0.026
C92610	0.054	0.045	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92611	0.054	0.045	0.040	0.037	0.034	0.032	0.030	0.028	0.027	0.026
C92612	0.057	0.046	0.042	0.036	0.033	0.030	0.029	0.029	0.027	0.026
C92613	0.062	0.052	0.044	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92614	0.055	0.047	0.042	SPILLED	0.039	0.037	0.036	SPILLED	SPILLED	SPILLED
C92615	0.065	0.050	0.046	0.035	0.036	0.034	0.032	0.031	0.029	0.027
C92616	0.060	0.048	0.044	SPILLED	SPILLED	0.034	0.033	0.032	SPILLED	0.031
C92617	0.058	0.048	0.043	0.039	0.036	0.033	0.032	0.029	0.028	0.025
C92618	0.062	0.055	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92619	0.057	SPILLED	0.046	0.040	0.036	0.033	0.033	0.031	0.030	0.028
C92620	0.056	0.050	0.046	SPILLED	0.036	0.034	0.032	0.032	0.029	0.025
C92621	0.055	0.046	0.042	0.039	0.039	0.035	0.033	0.033	0.031	0.029
C92622	CNTMD	0.050	0.042	0.039	0.035	0.033	0.030	0.029	0.028	0.026
C92623	0.054	0.046	0.040	0.039	0.036	0.034	0.032	0.028	0.028	0.028
C92624	CNTMD	0.039	0.038	0.035	0.034	0.031	0.031	0.029	0.029	0.028
C92625	0.061	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	0.029	SPILLED
C92626	0.061	0.048	0.042	0.039	0.034	0.031	0.032	0.031	0.029	0.028
C92627	0.056	0.047	0.044	SPILLED	0.041	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C92628	0.053	0.045	0.041	0.042	SPILLED	0.036	0.033	0.032	SPILLED	SPILLED
C92629	0.064	0.052	0.046	0.045	0.040	SPILLED	0.034	0.033	0.031	SPILLED
C92630	0.059	0.047	0.042	0.037	0.035	0.033	0.035	0.036	0.032	0.031

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

GROUP: MALE 3 - 2 PPM

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
C92631	0.223	0.188	0.164	0.150	0.138	0.131	0.124	0.124	0.110	0.110
C92632	0.215	0.174	0.154	0.129	0.133	0.124	0.117	0.113	0.102	0.102
C92633	0.237	0.195	SPILLED	0.145	0.147	0.140	0.131	0.124	0.117	0.113
C92634	0.246	0.207	0.183	SPILLED	0.151	0.139	0.131	0.126	0.116	0.120
C92635	0.259	0.214	0.183	SPILLED	0.146	0.142	SPILLED	0.122	0.116	SPILLED
C92636	0.248	SPILLED	0.173	SPILLED	SPILLED	0.143	0.143	0.148	SPILLED	SPILLED
C92637	0.202	0.174	0.160	0.152	0.132	0.126	0.118	0.119	0.106	0.108
C92638	0.229	0.193	0.180	0.165	0.151	0.141	0.134	0.128	0.119	0.115
C92639	0.222	0.186	0.166	0.149	0.143	0.137	SPILLED	0.123	0.108	0.108
C92640	0.207	0.183	0.160	0.147	0.132	0.127	0.128	0.127	0.116	0.120
C92641	0.214	0.193	0.166	0.159	0.140	0.131	0.119	0.118	0.112	0.111
C92642	0.211	0.180	0.165	0.153	0.140	0.135	0.121	0.115	0.109	0.107
C92643	0.246	0.196	0.171	0.151	0.135	0.128	0.119	0.116	0.113	0.111
C92644	0.227	0.181	0.157	0.142	0.129	0.125	0.113	0.114	0.112	0.114
C92645	0.233	0.186	SPILLED	0.155	0.141	0.135	0.123	0.121	0.116	0.120
C92646	0.222	0.181	0.156	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92647	0.200	0.179	0.160	0.142	0.132	0.127	0.120	0.117	0.109	0.107
C92648	0.219	0.190	0.171	0.151	0.136	0.131	0.119	0.119	0.111	0.116
C92649	0.222	0.195	0.173	0.160	0.148	0.143	0.136	0.126	0.120	0.124
C92650	0.245	0.207	0.176	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92651	0.221	0.189	0.166	0.148	0.137	0.123	0.119	0.115	0.112	0.108
C92652	0.246	0.207	0.181	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92653	0.224	0.187	0.163	0.148	0.131	0.122	0.116	0.115	0.112	0.105
C92654	0.240	0.207	0.187	0.163	SPILLED	SPILLED	SPILLED	0.127	0.116	SPILLED
C92655	0.254	0.212	0.190	0.169	0.162	0.151	SPILLED	SPILLED	SPILLED	SPILLED
C92656	0.227	0.185	0.162	0.151	0.135	0.123	0.119	0.112	0.104	0.105
C92657	0.229	0.207	0.169	0.144	SPILLED	SPILLED	0.130	SPILLED	0.116	0.116
C92658	0.209	0.178	0.167	0.170	0.136	SPILLED	0.123	0.121	0.109	0.114
C92659	0.219	0.188	0.165	0.156	0.139	0.134	0.130	0.122	0.117	0.119
C92660	0.219	0.172	0.174	0.177	0.132	0.138	0.121	0.125	0.113	SPILLED
C92661	0.202	0.171	0.155	0.139	0.126	0.119	0.113	0.114	0.098	0.103

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

GROUP: MALE 3 - 2 PPM

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
C92662	0.225	0.196	0.191	SPILLED	0.144	0.133	0.124	0.123	0.114	0.115
C92663	0.255	0.219	0.191	0.175	SPILLED	SPILLED	SPILLED	SPILLED	0.117	SPILLED
C92664	0.208	0.187	0.162	SPILLED	0.139	0.132	0.132	0.120	0.114	0.111
C92665	0.238	0.194	0.173	0.156	0.142	0.134	0.125	0.123	0.117	0.112
C92666	0.221	0.185	0.169	0.153	0.141	0.130	0.127	0.123	0.118	0.118
C92667	0.225	0.195	0.182	0.162	0.147	0.139	0.133	0.130	0.118	0.116
C92668	0.214	0.185	0.168	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92669	0.226	0.192	0.177	0.161	0.146	0.139	0.133	0.134	0.128	0.125
C92670	0.239	0.197	0.171	0.152	0.142	0.134	0.126	0.122	0.111	0.117
C92671	0.254	0.209	0.187	0.163	0.147	0.140	0.108	0.131	0.121	0.122
C92672	0.227	0.185	0.164	0.146	0.129	0.134	0.128	0.123	0.114	0.118
C92673	0.218	0.171	0.152	0.136	0.131	0.121	0.118	0.111	0.107	SPILLED
C92674	0.242	0.193	0.165	0.160	0.138	SPILLED	SPILLED	SPILLED	0.131	0.133
C92675	0.232	0.190	0.168	0.147	0.135	0.128	0.123	0.118	0.118	0.116
C92676	0.219	0.178	SPILLED	0.129	0.147	0.128	0.123	0.119	0.109	0.107
C92677	0.213	0.179	0.155	0.137	0.128	SPILLED	0.103	0.110	0.109	0.108
C92678	0.244	0.206	0.177	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92679	0.230	0.189	0.164	0.146	0.149	0.128	0.121	0.122	0.116	0.114
C92680	0.202	0.185	0.165	0.145	0.140	SPILLED	0.116	SPILLED	0.116	0.116
C92681	0.227	SPILLED	0.163	SPILLED	0.136	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C92682	0.217	0.187	0.163	0.137	0.134	0.126	0.118	0.119	0.109	0.112
C92683	0.231	0.185	0.170	0.146	0.138	0.132	0.121	SPILLED	0.110	0.110
C92684	0.222	0.178	0.161	0.141	0.143	0.132	0.123	0.123	0.115	0.115
C92685	0.228	0.183	0.169	0.151	0.140	0.127	0.124	0.121	0.113	0.113
C92686	0.208	0.171	0.157	0.130	0.133	0.126	0.120	0.113	0.107	0.107
C92687	0.207	0.168	0.157	0.147	0.143	0.133	0.124	0.121	0.114	0.112
C92688	0.219	0.181	0.167	0.156	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C92689	0.239	0.194	0.169	0.146	0.136	0.131	0.120	0.111	0.101	0.103
C92690	0.232	0.194	SPILLED	0.151	0.131	0.117	0.071	0.117	0.108	0.106

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

GROUP: MALE 4 - 5 PPM

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
C92691	0.610	0.477	0.421	0.371	0.348	0.344	0.328	0.295	0.293	0.278
C92692	0.613	0.472	0.433	0.360	0.337	0.333	0.303	0.285	0.273	0.263
C92693	0.622	SPILLED	0.437	0.400	0.377	0.349	0.323	0.297	0.289	0.282
C92694	0.526	0.409	0.368	0.332	SPILLED	0.303	0.294	0.278	0.270	0.255
C92695	0.563	0.450	0.393	SPILLED	0.341	SPILLED	0.308	SPILLED	0.260	0.261
C92696	0.510	0.427	0.387	SPILLED	SPILLED	SPILLED	0.321	SPILLED	SPILLED	SPILLED
C92697	0.561	0.467	0.426	0.371	SPILLED	0.340	0.320	SPILLED	0.319	0.286
C92698	0.582	0.448	0.416	0.368	0.346	0.312	SPILLED	0.290	0.281	0.268
C92699	0.562	0.458	0.417	0.371	0.340	0.330	0.285	0.293	0.283	0.286
C92700	0.553	0.471	0.406	0.371	0.330	0.313	0.296	0.304	0.289	0.275
C92701	0.500	0.421	0.389	0.331	0.316	0.292	0.286	0.268	0.267	0.240
C92702	0.617	0.491	0.424	0.374	0.349	0.312	0.301	0.280	0.279	0.258
C92703	0.609	0.513	0.463	0.410	0.371	0.355	0.334	0.318	0.304	0.292
C92704	0.543	0.455	0.409	0.369	0.344	0.322	0.309	0.294	0.287	0.264
C92705	0.553	0.445	0.414	0.380	0.359	0.325	0.328	0.307	0.307	0.298
C92706	0.576	0.474	0.404	0.359	0.327	0.306	0.283	0.273	0.270	0.249
C92707	0.512	0.446	0.385	0.333	0.309	0.281	0.273	0.266	0.271	0.242
C92708	0.591	0.477	0.412	0.344	0.299	0.292	0.294	0.289	0.289	0.271
C92709	0.554	0.466	0.402	0.347	0.361	0.334	0.325	0.294	0.278	0.261
C92710	0.596	0.502	0.435	0.390	SPILLED	0.341	SPILLED	SPILLED	SPILLED	0.283
C92711	0.536	0.433	0.399	0.344	0.336	0.308	0.303	0.276	0.266	0.249
C92712	0.579	0.465	0.396	0.350	0.343	0.323	SPILLED	0.286	SPILLED	0.274
C92713	0.572	SPILLED	SPILLED	SPILLED	0.292	SPILLED	SPILLED	SPILLED	SPILLED	0.265
C92714	0.611	SPILLED	0.449	0.363	0.351	0.327	SPILLED	SPILLED	0.306	0.287
C92715	0.542	SPILLED	0.399	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92716	0.533	0.439	0.393	0.322	0.335	0.317	0.303	0.279	0.268	0.253
C92717	0.630	0.496	0.434	0.366	0.333	0.323	0.313	0.294	0.293	0.264
C92718	0.637	0.526	0.478	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92719	0.656	0.525	0.439	0.382	0.356	0.334	0.317	0.300	SPILLED	0.289
C92720	0.654	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C92721	0.545	0.476	0.416	0.319	0.328	0.334	0.321	0.307	0.304	0.267

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

GROUP: MALE 4 - 5 PPM

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
C92722	0.562	0.463	0.410	0.365	0.351	0.315	0.305	0.294	0.297	0.215
C92723	0.571	0.513	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	0.305	SPILLED	SPILLED
C92724	0.611	0.517	0.438	0.392	0.368	0.354	SPILLED	0.302	0.303	SPILLED
C92725	0.591	0.495	0.422	0.343	0.368	0.327	0.302	0.288	SPILLED	0.280
C92726	0.576	0.487	0.432	0.373	0.353	0.322	0.310	0.296	0.279	0.266
C92727	0.520	0.457	0.413	SPILLED	0.357	0.335	0.316	SPILLED	0.288	0.277
C92728	0.599	0.484	0.454	0.383	0.353	0.336	0.312	0.286	0.268	0.276
C92729	0.523	0.459	0.428	0.369	0.348	0.312	0.296	0.281	0.283	0.267
C92730	0.605	0.503	0.461	SPILLED	0.373	0.348	0.331	0.296	0.288	0.284
C92731	SPILLED	SPILLED	0.383	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92732	0.645	0.539	0.484	0.379	0.389	0.345	0.333	0.311	0.311	0.298
C92733	0.562	0.464	0.419	0.356	0.337	0.309	0.293	0.294	0.306	0.290
C92734	0.580	0.479	0.420	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92735	0.504	0.433	0.381	0.349	0.333	0.312	0.302	0.282	0.280	0.263
C92736	0.555	0.459	0.420	0.362	0.345	0.324	0.306	0.290	0.298	0.277
C92737	0.510	0.431	0.402	0.345	0.333	0.305	0.290	0.277	0.287	0.267
C92738	0.590	0.496	0.462	0.381	0.370	0.339	0.330	0.301	0.303	0.291
C92739	0.543	0.446	0.412	0.374	0.359	0.333	0.324	0.307	0.326	0.304
C92740	0.601	0.490	0.422	0.370	0.342	0.321	0.323	0.300	0.289	0.260
C92741	0.495	0.421	0.373	0.351	0.321	0.303	0.317	SPILLED	0.268	0.257
C92742	0.594	0.491	0.432	0.370	0.344	0.316	0.296	0.285	0.274	0.261
C92743	0.612	0.510	0.434	0.390	0.362	0.329	0.315	SPILLED	0.287	0.276
C92744	0.595	0.533	0.472	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92745	0.540	0.470	0.426	0.384	0.362	0.340	0.321	0.299	0.289	0.269
C92746	0.541	0.475	0.405	0.335	0.342	SPILLED	SPILLED	SPILLED	0.269	0.251
C92747	0.540	0.450	0.414	0.378	0.365	0.349	0.327	0.317	SPILLED	SPILLED
C92748	0.514	0.425	0.388	0.351	0.342	0.331	0.349	SPILLED	0.318	SPILLED
C92749	0.590	0.471	0.421	0.373	0.352	0.343	0.325	0.300	0.300	SPILLED
C92750	0.546	0.468	0.441	0.380	0.353	0.322	SPILLED	0.301	0.274	0.267

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 5 - 20 PPM										
C92751	2.238	1.990	1.824	1.586	1.429	1.295	SPILLED	SPILLED	1.086	1.044
C92752	2.125	1.717	1.618	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92753	2.223	1.889	1.660	1.526	1.427	1.248	1.282	1.187	1.166	0.982
C92754	2.024	1.807	1.686	1.492	1.391	1.291	1.327	1.160	1.129	1.121
C92755	2.444	1.960	1.831	1.514	1.448	1.298	1.268	1.171	1.196	1.112
C92756	2.144	1.888	1.828	1.638	1.473	1.425	SPILLED	SPILLED	SPILLED	SPILLED
C92757	2.295	1.921	1.809	1.688	1.537	1.440	SPILLED	SPILLED	1.217	1.160
C92758	2.215	1.876	1.657	1.424	1.311	1.259	1.178	1.088	1.033	0.983
C92759	1.973	1.673	1.535	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92760	2.117	1.853	1.687	1.488	1.369	1.286	1.274	1.150	1.112	1.105
C92761	2.109	1.912	1.625	1.510	1.357	1.289	1.194	1.186	1.114	1.093
C92762	2.172	1.793	1.662	1.522	1.384	1.312	1.199	SPILLED	1.068	1.066
C92763	2.283	1.839	1.683	1.440	1.377	1.234	1.232	1.155	1.115	1.061
C92764	2.355	2.001	1.790	1.497	1.509	1.411	1.345	1.316	SPILLED	1.151
C92765	2.097	1.816	1.642	1.467	1.372	1.274	1.276	1.158	1.117	1.085
C92766	2.309	1.920	1.657	1.458	1.373	1.269	1.222	1.167	1.148	1.115
C92767	2.195	1.923	1.764	1.520	1.345	1.354	1.273	1.291	1.251	1.196
C92768	1.996	1.781	1.590	1.403	1.330	1.266	1.157	1.015	1.033	0.970
C92769	2.288	1.883	1.797	1.491	1.401	1.297	1.273	1.159	1.108	1.076
C92770	2.023	SPILLED	1.523	1.319	1.283	1.152	1.163	1.065	1.016	0.997
C92771	2.368	1.886	1.823	1.709	SPILLED	1.305	SPILLED	1.093	1.061	1.004
C92772	2.350	1.916	1.774	1.439	1.361	1.281	1.163	1.116	1.118	1.049
C92773	2.024	1.768	1.588	1.424	1.322	1.179	1.147	1.074	1.093	0.987
C92774	2.332	1.927	1.653	1.490	1.454	1.363	1.291	1.201	1.203	1.098
C92775	2.590	2.139	1.895	1.599	1.522	1.378	1.338	1.250	1.141	1.150
C92776	2.198	1.844	1.592	1.413	1.333	1.264	1.205	1.140	1.092	1.071
C92777	2.456	2.004	1.730	1.509	1.414	1.288	1.301	1.173	1.151	1.144
C92778	1.921	1.775	1.606	1.412	1.230	1.195	1.184	1.117	1.077	1.067
C92779	2.228	1.865	1.684	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92780	2.255	2.058	1.671	1.550	1.451	1.363	1.346	1.276	1.229	SPILLED
C92781	2.156	1.836	1.617	1.441	1.316	1.263	1.212	0.921	1.081	1.048

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 5 - 20 PPM										
C92782	2.583	2.064	1.887	1.617	1.509	1.381	1.376	1.163	1.149	1.105
C92783	2.109	1.739	1.633	1.425	1.350	1.270	1.214	1.124	1.023	1.018
C92784	2.165	1.768	1.718	1.373	1.461	1.335	1.190	1.196	1.149	1.127
C92785	2.051	1.804	1.675	1.506	1.417	1.361	1.287	SPILLED	1.154	1.129
C92786	2.136	1.741	1.618	1.401	1.338	1.236	1.226	1.173	1.055	1.076
C92787	2.134	1.821	1.749	1.584	1.420	1.334	1.338	0.886	SPILLED	SPILLED
C92788	2.438	2.089	1.833	SPILLED	1.555	1.304	1.263	1.022	1.159	1.090
C92789	2.233	1.824	1.709	1.498	1.382	1.300	1.272	1.108	1.091	SPILLED
C92790	2.514	1.944	1.750	1.506	1.390	1.304	1.254	1.148	1.089	1.058
C92791	2.101	1.745	1.717	1.531	1.353	1.300	1.296	1.217	1.096	1.101
C92792	2.078	1.937	1.613	1.403	1.362	1.271	1.242	1.174	1.089	1.056
C92793	2.122	1.703	1.524	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92794	2.035	1.694	1.642	1.371	1.308	1.261	1.237	1.174	1.101	1.049
C92795	2.163	1.823	1.657	1.480	1.363	1.285	1.252	1.212	1.148	1.107
C92796	2.002	1.690	1.548	1.433	1.340	1.273	1.155	1.101	1.024	0.996
C92797	1.892	1.612	1.481	1.361	1.265	1.215	1.180	1.141	1.074	1.063
C92798	2.390	1.820	1.652	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92799	2.150	1.711	1.612	1.382	1.402	1.318	1.184	1.088	1.068	1.058
C92800	2.221	1.898	1.696	SPILLED	1.392	1.280	SPILLED	1.173	SPILLED	SPILLED
C92801	1.993	1.693	1.604	1.470	1.375	1.220	1.156	1.097	SPILLED	0.987
C92802	2.221	1.797	1.594	1.437	1.352	1.279	1.228	1.175	1.086	1.084
C92803	2.051	1.720	1.569	1.458	1.379	1.226	1.162	1.119	1.075	1.019
C92804	2.265	1.803	1.698	1.494	1.463	1.289	1.222	1.217	1.164	1.112
C92805	2.170	1.687	1.562	1.300	1.393	1.234	1.209	1.100	1.084	1.054
C92806	2.348	1.897	1.670	1.453	1.348	1.201	1.170	0.946	0.801	0.971
C92807	2.336	1.978	1.762	1.435	1.561	1.354	1.298	1.223	1.111	1.037
C92808	2.354	1.896	1.782	1.512	1.397	1.238	1.225	1.098	1.043	1.056
C92809	2.179	1.924	1.654	1.469	1.453	1.264	1.249	1.198	1.170	1.074
C92810	2.169	1.803	1.657	1.465	1.412	1.278	1.241	1.232	1.130	1.088
C92811	2.391	1.972	1.792	1.465	1.563	1.411	1.350	1.277	1.200	1.180
C92812	2.072	1.715	1.523	1.340	1.293	1.257	1.186	1.302	0.995	1.011

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 5 - 20 PPM										
C92813	2.323	1.870	1.649	1.493	1.366	1.257	1.302	1.214	1.127	1.102
C92814	2.439	1.983	1.787	1.534	1.388	1.292	1.189	1.162	1.047	1.047
C92815	2.006	1.600	1.514	SPILLED	1.414	1.102	1.313	1.434	1.305	1.290
C92816	2.200	1.816	1.637	1.431	1.347	1.219	1.172	1.127	0.993	1.024
C92817	2.154	1.814	1.652	1.459	1.351	1.241	1.207	1.223	1.063	1.059
C92818	2.041	1.663	1.499	1.386	1.307	1.224	1.148	1.217	1.091	1.070
C92819	2.404	1.939	1.798	1.570	1.429	1.355	1.265	1.269	1.122	1.136
C92820	SPILLED	1.912	1.637	1.542	1.501	1.432	1.333	1.274	1.266	SPILLED
GROUP: MALE 6 - 20 PPM										
C92821	2.391	1.883	1.730	1.480	1.397	1.312	1.211	1.136	1.071	1.073
C92822	2.367	1.905	1.641	1.480	1.402	1.361	1.249	1.166	1.114	1.067
C92823	2.310	1.865	1.698	1.459	1.369	1.222	1.150	1.096	1.081	1.070
C92824	2.097	1.695	1.526	1.421	1.336	1.274	1.218	1.120	1.162	1.195
C92825	2.453	1.997	1.754	1.568	1.502	1.404	1.302	1.255	1.178	SPILLED
C92826	2.215	SPILLED	1.717	1.510	1.382	1.289	SPILLED	SPILLED	1.221	1.233
C92827	2.096	1.769	1.650	1.507	1.448	1.340	1.293	1.266	1.154	1.174
C92828	2.214	1.786	1.638	1.433	1.385	1.286	1.217	1.171	1.137	1.095
C92829	2.323	1.819	1.710	1.525	1.475	1.385	1.291	1.242	1.175	1.162
C92830	2.562	2.071	1.808	1.731	1.579	1.431	1.271	1.339	1.296	1.299
C92831	2.323	1.944	1.720	1.471	1.360	1.268	1.245	1.232	1.139	1.146
C92832	2.396	1.988	1.706	1.499	1.400	1.266	SPILLED	SPILLED	SPILLED	1.021
C92833	2.411	1.901	1.705	1.474	1.358	1.205	SPILLED	SPILLED	SPILLED	1.035
C92834	2.232	1.901	1.726	1.507	1.368	1.279	1.213	1.145	1.143	1.093
C92835	2.409	1.793	1.533	1.426	1.309	1.290	1.168	1.123	1.109	1.065
C92836	2.079	1.752	1.586	1.438	1.352	1.233	1.166	0.731	1.091	1.259
C92837	2.353	1.948	1.728	1.548	1.401	1.258	1.186	1.099	1.043	1.033
C92838	2.455	1.946	1.721	1.568	1.438	1.322	1.258	1.217	1.177	1.118
C92839	2.592	2.137	SPILLED	1.681	1.553	1.368	1.254	SPILLED	1.173	1.140
C92840	2.134	1.710	1.512	1.439	1.295	1.219	1.133	1.065	1.079	1.052

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: MALE 6 - 20 PPM										
C92841	2.011	1.822	1.575	1.515	1.267	1.225	1.141	1.114	1.068	1.044
C92842	2.260	1.830	1.616	1.452	1.276	1.182	1.160	1.096	1.062	1.039
C92843	2.248	1.892	1.726	1.506	1.400	1.281	1.190	1.133	1.123	1.088
C92844	2.442	1.892	1.685	1.519	1.377	1.293	1.264	1.204	1.163	1.108
C92845	SPILLED	SPILLED	1.728	1.610	1.515	1.419	1.331	1.248	SPILLED	1.236
C92846	2.491	1.935	1.680	1.543	1.406	1.354	1.288	1.219	1.140	1.149
C92847	2.519	2.155	1.890	1.624	1.434	1.326	1.243	1.219	1.137	1.134
C92848	2.611	2.062	1.873	1.709	1.552	1.460	1.361	1.312	1.272	1.260
C92849	2.521	2.072	1.763	1.551	1.473	1.366	1.322	SPILLED	SPILLED	1.251
C92850	2.122	1.800	1.639	1.513	1.394	SPILLED	1.338	1.265	SPILLED	1.231
C92851	2.213	1.890	1.607	1.476	1.341	1.223	1.190	1.134	1.067	1.050
C92852	2.393	1.994	1.861	1.782	1.451	1.297	1.323	1.347	SPILLED	1.252
C92853	2.159	1.819	1.602	1.483	1.359	1.287	1.198	1.208	1.120	1.057
C92854	2.416	2.022	1.811	SPILLED	1.425	1.297	1.246	1.211	1.106	1.134
C92855	2.489	SPILLED	SPILLED	SPILLED	1.402	SPILLED	0.943	SPILLED	SPILLED	1.200
C92856	2.719	2.028	1.786	1.527	1.425	1.302	1.213	1.163	1.124	1.106
C92857	2.228	1.864	1.620	1.486	1.322	1.263	1.176	1.157	1.036	1.022
C92858	2.214	1.762	1.766	1.531	1.460	1.281	1.251	1.172	1.112	1.081
C92859	2.121	1.848	1.711	1.523	1.481	1.378	1.316	1.201	SPILLED	SPILLED
C92860	2.519	2.070	1.905	1.652	1.468	1.407	1.309	1.237	1.255	1.175
GROUP: FEMALE 2 - 0.5 PPM										
C92931	0.052	0.049	0.046	0.042	0.040	0.038	0.036	0.036	0.033	0.031
C92932	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C92933	0.051	0.050	0.046	0.047	0.043	SPILLED	0.040	0.039	0.039	0.038
C92934	0.053	0.052	0.050	SPILLED	0.043	SPILLED	0.046	0.038	0.036	SPILLED
C92935	0.054	0.050	0.051	0.046	0.042	0.036	0.036	0.036	0.034	0.032
C92936	0.053	0.049	0.048	0.040	0.042	0.038	0.036	0.035	0.034	0.030
C92937	0.050	0.050	0.046	0.043	0.042	0.040	0.040	SPILLED	0.037	SPILLED
C92938	0.050	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 2 - 0.5 PPM										
C92939	0.047	0.046	0.056	0.043	0.045	SPILLED	SPILLED	SPILLED	0.038	0.035
C92940	0.053	0.051	0.051	0.053	0.048	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C92941	0.057	SPILLED	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92942	0.053	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	0.041	SPILLED	0.036	SPILLED
C92943	0.054	0.049	0.049	0.044	0.043	SPILLED	0.039	SPILLED	0.035	0.035
C92944	0.050	SPILLED	0.045	0.045	0.043	0.038	0.037	0.038	0.035	0.034
C92945	0.054	0.056	0.051	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92946	0.047	0.047	0.044	0.039	0.040	0.040	0.036	0.034	0.033	0.032
C92947	0.052	0.049	0.048	0.044	0.045	0.040	0.038	0.039	0.035	0.033
C92948	0.048	0.052	0.045	0.040	0.043	0.036	0.038	0.038	0.032	0.029
C92949	SPILLED	SPILLED	0.054	0.046	0.047	0.046	0.039	SPILLED	0.033	0.033
C92950	0.054	0.048	0.050	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92951	0.048	0.047	SPILLED	0.041	0.045	0.037	0.038	0.038	0.037	0.032
C92952	0.048	0.046	0.047	0.043	0.043	0.037	0.038	0.037	0.034	0.035
C92953	0.050	0.046	SPILLED	0.038	0.043	0.040	0.037	SPILLED	0.035	0.035
C92954	0.054	0.053	0.046	0.044	0.046	0.039	0.039	0.037	0.035	0.035
C92955	0.055	0.049	0.049	SPILLED	SPILLED	SPILLED	0.038	0.037	0.036	0.031
C92956	0.049	0.046	0.047	0.041	0.039	0.038	0.036	0.033	0.032	0.031
C92957	SPILLED	0.050	0.048	0.041	0.042	SPILLED	0.042	SPILLED	SPILLED	0.039
C92958	0.047	0.050	0.043	0.045	0.043	0.037	0.038	0.038	0.034	0.031
C92959	0.054	0.052	0.049	0.036	0.046	0.040	0.040	0.041	0.040	0.033
C92960	SPILLED	0.061	SPILLED	SPILLED	0.048	SPILLED	0.040	SPILLED	0.034	0.033
C92961	SPILLED	SPILLED	SPILLED	0.040	0.037	0.034	0.034	0.031	0.030	0.032
C92962	0.048	0.048	0.046	0.038	0.039	0.036	0.035	0.036	0.033	0.032
C92963	0.046	0.045	0.043	0.041	0.039	0.036	0.036	0.038	0.037	SPILLED
C92964	0.049	0.067	0.048	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	0.033	SPILLED
C92965	0.059	0.064	SPILLED	SPILLED	0.045	SPILLED	0.041	SPILLED	0.035	0.034
C92966	0.049	0.045	0.041	0.040	0.040	0.035	0.037	0.035	0.035	0.033
C92967	0.056	0.052	0.050	0.047	0.043	0.045	0.037	SPILLED	0.033	0.031
C92968	0.056	SPILLED	0.050	SPILLED	0.046	SPILLED	0.037	0.035	0.037	0.033
C92969	0.048	0.051	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 2 - 0.5 PPM										
C92970	0.054	0.049	0.049	0.046	0.043	0.038	0.038	0.039	0.035	0.032
C92971	0.047	0.047	0.046	0.040	0.039	0.035	0.037	0.033	0.034	0.032
C92972	0.051	0.053	0.048	0.045	0.043	0.040	0.039	0.040	0.035	0.036
C92973	0.051	0.055	0.047	0.044	0.047	0.042	0.049	0.041	SPILLED	0.036
C92974	0.049	0.046	0.044	0.040	0.039	0.037	0.037	0.034	0.032	0.033
C92975	0.056	0.054	0.051	0.043	0.048	0.042	0.044	0.037	0.038	0.037
C92976	0.046	0.046	0.046	0.043	0.043	0.035	0.034	0.033	0.032	0.031
C92977	0.054	0.048	0.046	0.043	0.047	0.042	0.039	0.036	0.037	0.034
C92978	0.053	0.050	0.048	0.042	0.044	0.039	0.040	0.035	0.032	0.033
C92979	0.051	0.046	0.045	0.044	0.041	0.039	0.037	0.033	0.033	0.033
C92980	0.051	0.051	0.048	0.045	0.045	0.043	0.038	0.039	0.033	0.035
C92981	0.053	0.047	0.046	SPILLED	0.037	SPILLED	0.036	0.033	0.031	0.032
C92982	0.053	SPILLED	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92983	0.056	SPILLED	0.044	0.045	SPILLED	0.044	0.041	SPILLED	SPILLED	0.033
C92984	0.048	0.048	0.047	0.045	0.039	0.039	0.036	0.036	0.032	0.030
C92985	0.057	0.051	0.049	0.045	0.042	0.042	0.040	0.035	0.031	0.032
C92986	0.054	0.054	0.051	0.045	0.044	0.043	0.039	0.037	0.037	0.036
C92987	0.051	0.051	0.044	0.040	0.039	0.041	0.035	0.036	0.033	SPILLED
C92988	0.047	0.051	0.044	0.043	0.045	0.042	0.038	0.037	0.036	0.037
C92989	0.067	SPILLED	0.055	TECH SPILL	SPILLED	0.063	SPILLED	SPILLED	SPILLED	SPILLED
C92990	0.053	SPILLED	0.051	0.045	0.041	0.045	0.040	SPILLED	0.037	0.037
GROUP: FEMALE 3 - 2 PPM										
C92991	SPILLED	SPILLED	0.226	SPILLED	SPILLED	SPILLED	0.156	0.141	0.136	0.134
C92992	0.222	0.183	0.173	SPILLED	SPILLED	SPILLED	0.141	SPILLED	0.135	0.136
C92993	0.210	0.188	0.181	0.153	0.176	0.165	0.142	0.145	0.142	0.132
C92994	0.202	0.178	0.168	0.166	0.151	0.146	0.132	0.142	0.133	0.124
C92995	0.231	0.201	0.200	0.203	0.158	0.161	0.151	0.152	NOT TAKEN	NOT TAKEN
C92996	0.208	0.192	0.176	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92997	0.198	0.182	0.174	0.170	0.153	0.138	0.143	0.151	0.136	SPILLED

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

GROUP: FEMALE 3 - 2 PPM

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
C92998	0.212	0.211	0.219	0.181	0.187	0.163	0.163	0.152	0.145	0.145
C92999	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C93000	SPILLED	SPILLED	0.202	SPILLED	0.173	SPILLED	0.144	SPILLED	SPILLED	SPILLED
C93001	0.220	0.202	0.177	0.196	SPILLED	SPILLED	0.144	0.154	0.155	0.156
C93002	0.209	0.190	0.179	0.151	0.165	0.147	0.128	0.149	0.125	0.137
C93003	0.287	SPILLED	0.175	0.185	0.176	0.147	0.145	SPILLED	0.137	0.119
C93004	0.227	0.203	0.240	0.174	0.167	0.165	0.153	0.143	0.136	0.138
C93005	0.219	0.193	0.176	0.177	0.168	0.157	0.141	0.150	0.127	0.139
C93006	0.186	0.177	0.149	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93007	SPILLED	SPILLED	SPILLED	SPILLED	0.173	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C93008	0.221	0.213	0.195	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93009	0.230	0.190	0.264	0.176	0.169	SPILLED	0.145	0.147	0.147	SPILLED
C93010	0.241	0.207	0.202	0.187	0.169	0.166	0.152	0.150	0.144	0.145
C93011	0.226	0.189	0.179	0.163	0.152	SPILLED	0.126	0.133	0.124	0.116
C93012	SPILLED	SPILLED	0.175	0.185	0.163	0.141	0.146	0.127	0.129	0.121
C93013	SPILLED	0.204	0.182	SPILLED	SPILLED	SPILLED	0.149	0.145	0.128	0.145
C93014	SPILLED	0.220	SPILLED	0.214	0.179	0.161	SPILLED	0.133	0.129	0.133
C93015	0.211	0.198	0.187	SPILLED	0.157	SPILLED	0.149	SPILLED	SPILLED	0.152
C93016	0.164	0.186	0.216	0.221	0.189	0.168	0.160	0.149	0.148	0.146
C93017	0.200	0.205	0.180	0.193	0.177	0.187	0.161	0.160	0.157	SPILLED
C93018	0.208	0.194	0.182	SPILLED	0.169	0.157	0.140	0.137	0.131	0.136
C93019	0.207	0.190	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	0.153	SPILLED	SPILLED
C93020	0.221	0.225	0.208	0.173	0.168	SPILLED	0.160	SPILLED	0.139	SPILLED
C93021	0.222	0.207	0.193	SPILLED	0.165	0.157	0.145	0.140	0.128	0.139
C93022	0.195	0.206	0.170	0.178	0.170	0.148	0.147	0.137	0.130	0.134
C93023	0.174	0.189	0.178	0.157	0.162	SPILLED	SPILLED	0.139	SPILLED	SPILLED
C93024	0.207	0.188	0.188	0.175	0.161	0.157	0.148	0.144	0.134	0.139
C93025	0.210	0.193	0.201	0.171	0.151	0.166	0.143	0.151	SPILLED	0.139
C93026	0.201	0.195	0.178	0.179	0.178	0.156	0.144	0.143	SPILLED	0.148
C93027	0.191	0.181	0.173	0.171	0.170	0.172	0.148	0.146	0.137	0.131
C93028	0.188	0.184	0.170	0.163	SPILLED	SPILLED	0.150	0.141	0.145	0.144

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 3 - 2 PPM										
C93029	0.206	0.207	0.180	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C93030	SPILLED	0.191	0.189	0.185	0.162	0.154	0.138	0.150	0.148	SPILLED
C93031	0.221	0.205	0.216	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93032	0.207	0.187	0.187	0.156	0.168	0.153	0.144	0.145	0.132	0.135
C93033	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	0.173	SPILLED	SPILLED
C93034	0.195	0.186	0.193	0.149	0.171	0.146	0.125	0.133	0.137	0.137
C93035	SPILLED	0.212	0.245	0.187	0.190	0.076	0.151	0.167	SPILLED	0.136
C93036	0.192	0.210	SPILLED	0.163	0.193	0.153	0.148	0.150	SPILLED	0.141
C93037	0.219	0.202	0.190	0.178	0.174	0.164	0.150	0.136	0.142	0.129
C93038	0.251	0.205	0.227	SPILLED	SPILLED	SPILLED	0.159	0.183	0.176	SPILLED
C93039	0.224	0.223	0.227	0.191	0.183	0.171	0.155	0.152	0.150	0.151
C93040	SPILLED	SPILLED	0.289	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	0.262	SPILLED
C93041	0.222	0.221	0.222	0.189	SPILLED	SPILLED	0.167	0.161	0.174	0.158
C93042	0.205	0.181	0.178	0.180	0.175	0.148	0.142	0.144	0.124	0.133
C93043	0.217	0.203	0.186	0.172	0.178	0.166	0.159	0.142	0.144	0.138
C93044	0.218	SPILLED	SPILLED	0.178	0.159	0.142	0.146	SPILLED	0.131	0.141
C93045	SPILLED	0.301	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93046	0.222	0.204	SPILLED	0.190	0.154	0.200	SPILLED	SPILLED	0.142	0.132
C93047	0.226	0.204	0.176	0.226	0.184	SPILLED	0.150	0.138	0.122	0.125
C93048	0.227	0.207	0.189	0.197	0.175	0.168	SPILLED	0.162	0.148	0.160
C93049	0.207	0.196	0.174	0.164	0.166	0.149	0.141	SPILLED	0.157	0.145
C93050	0.198	0.195	0.201	0.205	0.188	0.174	0.171	0.169	SPILLED	SPILLED
GROUP: FEMALE 4 - 5 PPM										
C93051	0.567	SPILLED	0.554	SPILLED	SPILLED	SPILLED	0.394	0.412	0.368	0.478
C93052	0.560	SPILLED	0.491	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C93053	0.513	0.457	0.462	0.415	0.441	0.372	0.408	0.406	0.399	0.363
C93054	SPILLED	SPILLED	0.493	0.456	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C93055	0.570	0.473	0.461	0.453	0.427	0.380	0.352	SPILLED	0.371	SPILLED
C93056	0.569	SPILLED	0.442	0.426	0.421	0.380	0.363	0.343	0.363	0.330

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 4 - 5 PPM										
C93057	0.643	0.509	0.525	0.457	0.433	0.397	0.385	0.350	0.368	0.375
C93058	0.569	0.493	0.464	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93059	0.583	0.506	0.496	0.432	0.426	0.374	0.380	0.352	0.343	0.343
C93060	0.557	0.597	0.507	0.422	TECH SPILL	0.389	0.400	0.355	0.329	0.314
C93061	0.483	0.458	0.439	0.379	0.381	0.374	0.354	0.352	0.317	SPILLED
C93062	0.514	0.472	0.458	0.457	0.418	0.380	0.386	0.371	0.345	0.332
C93063	0.503	0.488	0.429	SPILLED	0.396	0.342	0.326	0.314	0.311	0.336
C93064	0.539	0.496	0.476	0.430	0.405	0.372	0.387	0.400	0.388	0.368
C93065	0.576	0.502	0.503	0.493	0.439	0.421	0.418	0.412	SPILLED	0.383
C93066	0.488	0.424	0.440	0.380	SPILLED	SPILLED	SPILLED	SPILLED	0.369	0.341
C93067	0.495	0.437	0.495	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93068	0.525	SPILLED	0.469	0.401	0.423	0.361	0.349	0.360	0.356	0.340
C93069	0.568	0.605	0.488	0.424	0.403	0.350	0.341	0.336	0.340	0.299
C93070	0.606	SPILLED	0.527	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93071	0.502	0.434	0.436	0.397	0.378	0.366	0.378	0.367	0.360	0.344
C93072	0.565	0.531	0.504	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	0.414
C93073	0.591	0.515	0.499	0.469	0.479	0.405	0.412	0.392	0.388	0.348
C93074	0.558	0.563	0.539	0.396	SPILLED	0.450	0.394	0.378	0.379	0.389
C93075	0.534	0.480	0.489	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93076	0.557	0.498	0.563	0.452	0.464	SPILLED	0.419	0.378	0.378	0.383
C93077	0.487	0.435	0.433	0.379	0.363	0.352	0.361	0.333	0.308	0.304
C93078	0.570	0.531	0.486	0.483	0.483	0.436	0.403	0.408	0.399	0.398
C93079	0.572	0.679	0.467	0.498	0.437	0.406	0.416	0.463	0.328	0.350
C93080	0.581	0.503	0.457	0.407	0.444	0.363	0.331	0.333	0.337	0.299
C93081	0.576	0.469	0.472	0.411	0.411	0.395	0.362	0.375	0.340	0.380
C93082	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	0.402	SPILLED	SPILLED	0.347
C93083	0.565	0.488	0.466	0.424	0.498	0.404	0.399	0.383	0.401	0.344
C93084	0.528	0.472	0.451	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93085	0.547	SPILLED	0.477	0.425	0.486	0.383	SPILLED	0.339	0.345	SPILLED
C93086	0.597	SPILLED	SPILLED	0.415	0.424	0.352	0.357	SPILLED	SPILLED	0.344
C93087	SPILLED	0.589	0.606	0.436	SPILLED	0.405	0.397	SPILLED	0.331	SPILLED

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 4 - 5 PPM										
C93088	0.565	0.477	0.459	0.416	0.402	0.352	0.372	0.330	0.338	0.374
C93089	0.586	0.484	0.459	0.569	0.432	SPILLED	SPILLED	0.387	0.349	0.377
C93090	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	0.368	0.355	0.317	0.349
C93091	0.519	0.460	0.413	0.434	0.352	0.363	0.336	0.305	0.330	0.322
C93092	0.566	0.495	0.501	SPILLED	0.428	0.428	0.398	0.366	0.364	0.374
C93093	0.591	0.474	0.460	0.431	0.420	SPILLED	0.395	0.373	0.378	0.347
C93094	0.658	0.663	0.520	0.654	0.433	0.502	0.381	0.358	0.367	0.360
C93095	0.598	0.485	0.479	0.461	0.483	SPILLED	SPILLED	SPILLED	0.349	0.348
C93096	0.650	SPILLED	0.568	SPILLED	0.511	0.459	0.425	0.390	0.374	0.391
C93097	0.487	0.467	0.462	0.475	0.439	0.405	0.408	SPILLED	SPILLED	SPILLED
C93098	0.588	SPILLED	0.527	SPILLED	0.410	0.402	0.365	SPILLED	SPILLED	0.379
C93099	0.534	0.492	0.461	0.410	0.382	0.344	0.336	0.352	0.310	0.303
C93100	0.609	0.560	0.504	0.489	0.441	SPILLED	0.410	0.390	0.392	0.382
C93101	0.486	SPILLED	0.432	0.412	0.405	0.409	SPILLED	0.365	0.347	0.327
C93102	0.595	0.528	0.482	0.442	0.459	0.403	0.393	0.402	0.370	SPILLED
C93103	0.537	0.528	0.467	0.408	0.454	0.396	0.346	0.381	0.358	0.328
C93104	0.544	0.517	0.488	0.463	0.476	SPILLED	0.461	SPILLED	0.426	SPILLED
C93105	0.706	0.527	0.478	0.414	0.451	0.351	0.370	0.358	0.331	0.375
C93106	0.506	0.467	0.429	0.404	0.408	0.385	0.368	0.334	0.334	0.364
C93107	0.549	0.483	SPILLED	0.444	0.412	0.392	0.387	0.357	0.318	0.327
C93108	0.551	0.508	0.449	0.425	0.410	0.378	0.385	0.366	0.360	0.368
C93109	0.534	0.477	0.453	0.433	0.417	0.368	0.379	0.372	0.340	0.345
C93110	SPILLED	0.602	SPILLED	SPILLED	0.497	0.456	SPILLED	SPILLED	SPILLED	SPILLED
GROUP: FEMALE 5 - 20 PPM										
C93111	2.224	2.088	1.889	1.644	1.546	1.408	1.409	1.317	1.217	SPILLED
C93112	2.139	1.969	1.709	1.581	1.546	1.407	1.350	1.288	1.199	1.322
C93113	SPILLED	SPILLED	SPILLED	1.833	1.745	1.575	1.631	1.621	1.562	1.645
C93114	2.022	1.937	1.749	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93115	1.991	2.001	1.837	1.675	1.876	1.534	1.536	1.555	1.432	1.487

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 5 - 20 PPM										
C93116	2.068	1.815	1.691	1.659	SPILLED	1.516	SPILLED	SPILLED	1.387	1.414
C93117	2.117	1.932	SPILLED	1.656	SPILLED	SPILLED	1.471	1.458	SPILLED	1.367
C93118	1.953	1.981	1.845	1.727	1.678	1.455	1.587	1.429	1.479	1.450
C93119	2.114	1.808	1.745	1.695	1.621	1.488	1.453	1.303	1.404	1.439
C93120	2.296	2.016	1.788	1.621	SPILLED	1.568	1.481	1.480	1.306	1.485
C93121	SPILLED	1.869	1.751	1.510	SPILLED	SPILLED	1.509	1.353	1.337	1.366
C93122	2.121	2.040	SPILLED	1.553	1.683	1.317	1.325	SPILLED	1.371	1.268
C93123	2.027	2.122	1.701	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93124	SPILLED	SPILLED	2.110	SPILLED	SPILLED	SPILLED	1.512	1.300	1.411	1.613
C93125	2.035	2.101	1.954	1.813	1.783	1.684	SPILLED	1.656	1.398	1.636
C93126	1.975	1.795	SPILLED	1.521	1.516	1.391	1.805	1.330	1.290	1.290
C93127	2.101	1.801	1.714	1.764	1.530	1.302	1.513	1.511	1.289	1.369
C93128	1.803	1.915	1.616	1.642	1.542	1.438	1.483	1.366	1.405	1.326
C93129	2.344	2.159	2.045	1.858	1.756	1.641	1.547	1.494	1.490	1.398
C93130	2.145	2.002	1.743	1.819	1.707	1.458	1.592	1.522	1.415	1.407
C93131	2.190	1.862	1.737	1.551	1.531	1.468	1.341	1.327	1.300	1.209
C93132	2.122	1.816	1.660	1.465	1.461	1.306	1.328	1.229	1.322	1.401
C93133	2.194	1.826	1.732	1.587	1.541	1.339	SPILLED	1.392	1.362	1.387
C93134	2.016	1.648	1.550	1.524	1.506	1.473	1.340	1.349	1.213	1.301
C93135	2.399	1.980	1.878	1.721	1.761	1.501	1.519	1.462	1.448	1.349
C93136	2.035	1.694	1.525	1.531	1.493	1.375	1.340	1.411	1.329	1.457
C93137	2.331	2.348	2.071	1.689	1.864	1.697	1.669	1.493	1.419	1.535
C93138	1.927	1.783	1.619	1.547	1.562	1.413	1.431	1.363	1.370	1.313
C93139	2.492	2.269	SPILLED	1.745	1.827	SPILLED	1.592	1.485	1.520	1.598
C93140	2.314	2.139	2.043	1.729	1.836	1.606	1.554	1.609	1.369	1.468
C93141	2.238	SPILLED	2.104	SPILLED	2.084	1.522	SPILLED	1.744	SPILLED	1.459
C93142	2.307	1.891	1.811	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93143	2.095	2.006	SPILLED	SPILLED	1.766	SPILLED	1.666	SPILLED	1.421	SPILLED
C93144	SPILLED	2.145	1.984	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93145	2.131	1.888	SPILLED	1.842	SPILLED	1.756	1.635	SPILLED	1.597	1.441
C93146	2.060	1.671	1.546	1.526	SPILLED	SPILLED	1.673	1.392	SPILLED	1.463

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 5 - 20 PPM										
C93147	2.107	1.915	1.721	1.681	1.651	1.578	1.517	1.376	1.365	1.295
C93148	2.215	1.875	1.579	1.480	1.565	1.526	1.631	1.450	1.405	1.298
C93149	2.124	SPILLED	2.004	1.867	2.032	SPILLED	SPILLED	1.828	1.849	SPILLED
C93150	2.491	2.299	1.970	1.881	1.823	1.557	1.516	1.579	1.611	1.545
C93151	2.087	1.779	1.621	1.416	1.606	1.474	1.452	1.423	1.520	1.359
C93152	2.178	2.107	SPILLED	1.583	1.513	1.596	SPILLED	1.415	1.385	1.306
C93153	SPILLED	SPILLED	2.020	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C93154	2.258	2.024	1.748	1.640	1.669	1.507	1.480	1.443	1.398	1.394
C93155	2.347	2.276	2.088	1.494	1.697	1.651	1.803	1.913	1.591	SPILLED
C93156	2.169	1.944	1.770	1.549	1.637	1.479	1.515	1.422	1.332	1.319
C93157	2.172	1.884	2.006	1.622	1.732	1.672	1.619	1.467	1.503	1.487
C93158	2.201	1.950	1.692	1.543	1.706	1.413	1.335	1.466	1.375	1.393
C93159	2.114	1.825	1.716	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93160	2.395	2.125	1.901	1.740	1.807	1.551	1.495	1.479	1.402	1.351
C93161	2.118	SPILLED	SPILLED	1.693	1.664	SPILLED	SPILLED	1.445	SPILLED	1.352
C93162	2.235	2.056	2.004	1.648	1.665	1.637	1.458	SPILLED	1.522	SPILLED
C93163	2.020	1.926	SPILLED	1.564	1.548	1.527	1.419	1.286	1.293	1.337
C93164	2.303	1.957	1.609	SPILLED	SPILLED	1.575	1.503	SPILLED	1.438	1.328
C93165	2.187	1.992	1.815	1.636	1.734	1.569	1.462	1.358	1.385	1.324
C93166	2.025	1.783	1.666	1.644	1.505	1.487	SPILLED	1.351	1.216	1.255
C93167	1.893	2.004	1.704	1.483	1.596	1.370	1.319	1.376	1.162	1.269
C93168	2.449	2.461	1.993	1.887	1.850	1.752	1.605	1.480	1.390	SPILLED
C93169	2.087	1.940	1.773	1.787	1.654	1.456	1.467	1.396	1.417	1.285
C93170	2.075	1.945	1.855	1.684	1.825	1.505	1.442	SPILLED	1.524	SPILLED
C93171	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C93172	2.035	1.749	1.639	SPILLED	1.502	1.426	1.489	1.283	SPILLED	1.431
C93173	2.094	2.049	1.951	1.419	1.609	1.454	SPILLED	SPILLED	1.504	SPILLED
C93174	2.099	SPILLED	SPILLED	1.777	1.824	1.555	SPILLED	SPILLED	SPILLED	SPILLED
C93175	2.127	2.049	1.787	1.533	1.642	1.403	1.530	1.314	1.390	1.349
C93176	2.207	1.949	1.855	1.684	1.668	1.454	1.468	1.362	1.337	1.302
C93177	2.043	1.852	1.742	1.607	1.564	1.435	1.495	1.373	1.650	1.528

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP:	FEMALE 5 - 20 PPM									
C93178	SPILLED	1.935	1.859	1.763	1.552	1.474	1.464	1.320	1.373	1.323
C93179	2.080	1.831	1.659	1.573	1.602	1.464	1.410	1.376	1.377	SPILLED
C93180	SPILLED	2.033	SPILLED	1.555	1.605	1.439	1.385	1.408	SPILLED	1.356
GROUP:	FEMALE 6 - 20 PPM									
C93181	2.207	1.953	1.846	1.655	1.802	1.665	1.544	1.546	1.507	1.494
C93182	2.118	1.952	1.900	1.690	1.682	1.393	1.478	1.304	1.426	1.293
C93183	2.137	1.815	1.792	1.557	1.549	1.524	1.362	1.296	1.283	1.399
C93184	2.243	1.887	1.957	1.814	1.739	1.544	1.583	1.504	1.410	1.404
C93185	SPILLED	2.434	SPILLED	SPILLED	SPILLED	1.685	1.526	1.693	1.532	1.634
C93186	2.049	1.944	1.840	1.603	1.557	1.635	1.402	1.396	1.449	1.569
C93187	2.136	1.985	1.683	1.835	1.496	1.501	1.518	1.341	1.384	1.306
C93188	2.299	1.861	1.822	1.380	1.541	1.397	1.412	1.366	1.314	1.304
C93189	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	1.566	1.602	1.544	1.526	1.497
C93190	2.368	1.865	1.773	1.553	1.634	1.478	1.460	1.350	1.415	1.437
C93191	2.107	2.045	1.552	1.621	1.514	1.423	1.448	1.429	1.251	1.381
C93192	1.933	1.682	1.553	1.751	1.579	1.464	1.517	1.323	1.247	1.355
C93193	2.182	2.104	1.896	1.691	1.645	1.583	1.446	1.350	1.237	1.472
C93194	1.981	1.801	1.864	1.759	1.634	1.531	1.573	1.374	1.473	1.705
C93195	2.399	SPILLED	1.796	1.533	1.509	1.390	1.343	SPILLED	1.663	1.328
C93196	2.230	2.349	SPILLED	SPILLED	SPILLED	SPILLED	1.606	1.492	1.543	1.435
C93197	1.905	1.675	1.595	1.542	1.436	1.391	1.418	1.322	1.377	1.381
C93198	2.177	1.930	1.817	1.774	1.660	1.481	1.403	1.247	1.366	1.395
C93199	2.073	1.711	1.690	1.508	1.506	1.453	1.298	1.347	1.292	1.297
C93200	2.390	2.006	1.949	1.993	1.992	1.573	SPILLED	SPILLED	2.433	SPILLED
C93201	SPILLED	2.028	1.929	1.655	1.618	1.384	1.315	SPILLED	1.429	1.333
C93202	1.950	1.993	1.710	1.629	1.571	SPILLED	1.263	SPILLED	SPILLED	SPILLED
C93203	2.191	1.900	1.602	1.733	1.505	1.649	1.439	SPILLED	1.415	1.303
C93204	2.355	2.012	1.967	1.732	1.751	1.609	1.521	1.463	1.455	1.562
C93205	2.039	SPILLED	1.945	1.488	1.486	1.391	1.457	1.332	1.338	1.365

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10
GROUP: FEMALE 6 - 20 PPM										
C93206	2.364	1.910	1.775	1.554	1.765	SPILLED	1.483	SPILLED	SPILLED	1.571
C93207	2.324	2.120	1.855	1.665	1.653	1.416	1.498	1.550	1.407	1.380
C93208	1.992	1.756	1.733	1.429	1.487	1.211	1.429	1.279	1.213	1.262
C93209	1.931	1.798	SPILLED	SPILLED	SPILLED	SPILLED	1.312	SPILLED	1.423	SPILLED
C93210	2.276	1.815	1.689	2.035	1.629	SPILLED	1.401	1.396	1.372	1.295
C93211	1.862	SPILLED	1.787	1.653	1.596	1.399	1.416	1.422	1.561	1.499
C93212	2.049	2.052	1.830	1.796	1.722	1.479	1.572	1.456	1.481	1.520
C93213	2.016	1.811	1.748	1.575	1.520	1.414	1.343	1.281	1.305	1.311
C93214	2.111	1.862	1.651	SPILLED	SPILLED	SPILLED	1.429	1.377	1.432	1.417
C93215	2.639	1.931	SPILLED	1.618	1.603	1.469	1.380	1.398	1.310	1.312
C93216	2.076	1.745	1.707	1.565	1.584	1.407	1.363	1.310	1.376	1.277
C93217	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	1.628	1.498	1.326	1.294	1.345
C93218	2.435	1.949	2.079	1.667	1.679	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C93219	2.040	1.892	1.811	1.613	1.579	SPILLED	SPILLED	1.346	1.245	SPILLED
C93220	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: MALE 2 - 0.5 PPM										
C92571	0.031	0.030	0.029	0.027	0.027	0.025	0.023	0.021	0.019	0.020
C92572	0.028	0.028	0.027	0.027	0.026	0.026	0.025	0.022	0.021	0.020
C92573	0.025	0.025	0.024	0.023	0.023	0.023	0.021	0.020	0.019	0.018
C92574	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92575	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92576	0.025	0.025	0.025	0.024	0.024	0.024	0.025	0.021	0.021	0.019
C92577	0.026	0.026	0.025	0.024	0.023	0.024	0.023	0.020	0.019	0.018
C92578	0.027	0.026	0.026	0.026	0.024	0.025	0.024	0.022	0.020	0.019
C92579	0.026	0.025	0.025	0.023	0.023	0.022	0.023	0.021	0.019	0.018
C92580	0.026	0.027	0.026	0.025	0.025	0.025	0.025	0.021	0.020	0.019
C92581	0.024	0.024	0.024	0.023	0.022	0.022	0.023	0.020	0.019	0.019
C92582	0.025	0.025	0.024	0.024	0.024	0.024	0.024	0.022	0.023	0.021
C92583	0.027	0.026	0.024	0.022	0.027	0.025	0.023	0.022	0.021	0.020
C92584	0.029	0.030	0.029	0.027	0.029	0.027	0.026	0.024	0.025	0.023
C92585	CNTMD	CNTMD	0.027	0.024	CNTMD	0.024	0.025	0.023	0.021	0.019
C92586	0.026	0.026	0.026	0.026	0.023	0.025	0.025	0.021	0.020	0.020
C92587	0.025	0.025	0.024	0.024	0.024	0.024	0.024	0.022	0.020	0.018
C92588	SPILLED	0.026	0.026	0.025	0.027	0.026	SPILLED	0.023	0.021	0.020
C92589	0.027	0.025	0.024	0.024	0.024	0.023	0.023	0.022	0.020	0.019
C92590	0.026	0.027	0.026	0.025	0.025	0.024	0.022	0.022	SPILLED	0.018
C92591	0.026	0.025	0.024	0.024	0.023	0.024	0.024	0.022	0.021	0.019
C92592	0.024	0.024	0.023	0.024	0.023	0.024	0.023	0.022	0.020	0.018
C92593	0.025	0.024	0.023	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92594	0.028	0.028	0.026	0.026	0.027	0.026	0.025	0.023	0.022	0.020
C92595	TECH SPILL	0.025	0.024	0.024	0.026	0.024	0.022	0.021	0.021	0.019
C92596	0.028	0.027	0.027	0.026	0.025	0.025	0.026	0.024	0.022	0.020
C92597	SPILLED	0.028	0.028	0.027	0.028	0.029	0.027	0.025	0.025	0.022
C92598	0.026	0.026	0.025	0.022	0.024	0.024	0.025	0.022	0.022	0.020
C92599	0.027	0.027	0.026	0.026	0.025	0.025	0.024	0.022	0.022	0.022
C92600	0.027	0.025	0.025	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92601	0.024	0.025	0.024	0.023	0.023	0.024	0.023	0.022	0.021	0.020

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: MALE 2 - 0.5 PPM										
C92602	0.028	0.029	0.028	0.028	0.027	0.026	0.026	0.023	0.024	0.022
C92603	0.027	0.027	0.024	0.025	0.023	0.025	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92604	0.026	0.026	0.025	0.024	0.024	0.024	0.023	0.021	0.020	0.019
C92605	0.026	0.026	0.024	0.024	0.024	0.024	0.021	0.021	0.019	0.017
C92606	0.029	0.028	0.026	0.025	0.024	0.026	0.025	0.022	0.019	0.019
C92607	0.028	0.027	0.026	0.027	0.025	0.025	0.024	0.023	0.019	0.020
C92608	SPILLED	0.028	0.025	0.024	0.015	0.021	0.025	0.022	0.020	0.019
C92609	0.026	0.025	0.025	0.025	0.025	0.025	0.025	0.023	0.023	0.021
C92610	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92611	0.025	0.025	0.024	0.024	0.024	0.023	0.022	0.021	0.019	0.020
C92612	0.026	0.024	0.023	0.021	0.024	0.024	0.022	0.015	0.019	0.019
C92613	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92614	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C92615	0.027	0.027	0.025	0.025	0.025	0.024	0.022	0.021	0.019	0.018
C92616	0.031	0.029	0.029	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92617	0.026	0.026	0.024	0.024	0.024	0.023	0.022	0.021	0.019	0.018
C92618	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92619	0.028	0.027	0.026	0.026	0.027	0.025	0.024	0.021	0.021	0.020
C92620	0.026	0.027	0.030	0.028	0.026	0.026	0.024	0.022	0.021	0.021
C92621	SPILLED	0.028	0.027	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92622	0.026	0.025	0.023	0.024	0.023	0.024	0.022	0.022	0.019	0.018
C92623	0.026	0.026	0.024	0.023	0.024	0.025	0.023	0.021	0.020	0.018
C92624	0.027	0.025	0.025	0.023	0.025	0.025	0.023	0.021	0.020	0.020
C92625	0.027	0.026	0.024	0.024	0.025	0.024	0.021	0.020	0.019	0.017
C92626	0.026	0.025	0.024	0.023	0.023	0.019	0.023	0.022	0.018	SPILLED
C92627	SPILLED	SPILLED	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92628	0.028	SPILLED	SPILLED	0.028	SPILLED	0.026	0.026	0.023	0.023	SPILLED
C92629	SPILLED	0.028	0.027	0.024	0.026	0.026	0.026	0.021	0.021	0.019
C92630	0.032	0.031	0.030	0.029	0.030	0.030	SPILLED	0.025	SPILLED	SPILLED

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

GROUP: MALE 3 - 2 PPM

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
C92631	0.110	0.108	0.104	0.101	0.100	0.105	0.097	0.091	0.089	0.081
C92632	0.100	0.096	0.090	0.089	0.106	0.090	0.086	0.085	0.074	0.070
C92633	0.106	0.104	0.099	0.098	0.095	0.100	0.099	0.089	0.084	0.076
C92634	0.119	0.115	0.114	0.119	0.119	0.105	0.111	0.100	0.087	0.082
C92635	SPILLED	0.115	0.107	0.105	0.100	0.100	0.095	0.093	0.083	0.080
C92636	SPILLED	0.112	0.113	0.099	SPILLED	0.109	0.100	0.089	0.084	0.082
C92637	0.107	0.108	0.104	0.105	0.105	0.103	0.102	0.095	0.088	0.085
C92638	0.112	SPILLED	0.100	0.104	0.095	0.100	0.091	0.091	0.078	0.075
C92639	0.106	0.104	0.102	0.100	0.098	0.101	0.093	0.094	0.083	0.075
C92640	0.110	0.112	0.110	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92641	0.079	0.099	0.106	0.106	0.103	0.106	0.098	0.091	0.071	0.075
C92642	0.104	0.101	0.102	0.094	0.095	0.094	0.086	0.081	0.079	0.073
C92643	0.112	0.107	0.106	0.106	0.100	SPILLED	0.096	0.097	0.089	0.084
C92644	0.114	0.111	0.106	0.096	0.111	0.107	0.100	0.094	0.088	0.091
C92645	0.117	0.119	0.118	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92646	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92647	0.103	0.104	0.101	0.097	0.101	0.100	0.094	0.089	0.082	0.080
C92648	0.105	0.108	0.103	0.107	0.107	0.105	0.103	0.094	0.088	0.082
C92649	0.119	0.121	0.121	0.117	0.117	0.113	0.113	0.097	0.091	0.090
C92650	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92651	0.109	0.110	0.103	0.092	0.102	0.102	0.092	0.093	0.083	0.080
C92652	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92653	0.104	0.103	0.101	0.101	0.095	0.091	0.093	0.082	0.078	0.075
C92654	0.110	0.112	0.105	0.107	0.104	0.099	0.093	0.094	0.085	0.082
C92655	SPILLED	SPILLED	SPILLED	0.121	SPILLED	SPILLED	0.107	0.103	0.099	0.091
C92656	0.101	0.099	0.098	0.091	0.093	0.091	0.085	0.079	0.074	0.071
C92657	SPILLED	SPILLED	0.105	0.101	0.102	0.097	0.099	0.089	0.080	0.079
C92658	0.106	0.107	0.103	0.099	0.099	0.093	0.093	0.081	0.079	0.076
C92659	0.108	0.110	0.105	0.098	0.108	0.101	0.096	0.084	0.083	0.079
C92660	0.111	0.104	0.103	0.106	0.102	0.103	0.115	0.108	0.095	SPILLED
C92661	0.098	0.097	0.098	0.088	0.104	0.101	0.091	0.087	0.081	0.073

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

GROUP: MALE 3 - 2 PPM

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
C92662	0.106	0.104	0.108	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92663	0.112	0.112	0.113	0.112	0.107	0.106	0.100	0.097	0.085	0.080
C92664	0.110	0.107	0.102	0.103	0.102	0.103	0.102	0.090	0.080	0.082
C92665	0.103	0.099	0.103	0.098	0.097	0.096	0.088	0.083	0.077	0.075
C92666	0.116	0.118	0.113	0.110	0.107	0.113	0.109	0.115	0.104	SPILLED
C92667	0.110	0.106	0.106	0.102	0.092	0.095	0.093	0.082	0.082	0.078
C92668	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92669	SPILLED	0.123	0.119	SPILLED	0.122	0.109	0.099	0.093	0.085	0.082
C92670	0.111	0.110	0.110	0.105	0.105	0.102	0.099	0.090	0.088	0.082
C92671	0.115	0.109	0.108	0.103	0.104	0.104	0.097	0.090	0.085	0.085
C92672	0.107	0.105	0.097	0.101	0.100	0.097	0.086	0.086	0.076	0.075
C92673	0.102	0.103	0.103	0.099	0.096	0.096	0.091	0.081	0.074	0.076
C92674	SPILLED	0.111	0.110	0.112	0.112	0.103	0.097	0.094	0.079	0.076
C92675	0.115	0.107	0.107	0.105	0.103	0.106	0.100	0.096	0.089	0.090
C92676	0.109	0.101	0.100	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92677	0.102	0.098	0.099	0.101	0.102	0.104	0.101	0.094	0.090	0.085
C92678	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92679	0.110	0.104	0.105	0.101	0.103	0.102	0.096	0.089	0.086	0.082
C92680	0.107	0.111	0.104	0.101	0.100	0.093	0.090	0.083	0.079	0.074
C92681	0.107	0.105	0.097	0.098	0.097	0.102	0.091	0.090	SPILLED	0.077
C92682	0.106	0.103	0.103	0.090	0.101	0.096	0.096	0.086	0.079	0.079
C92683	0.108	0.105	0.103	0.102	0.100	0.094	0.097	0.092	0.083	0.080
C92684	0.117	0.064	0.105	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92685	0.105	0.097	0.098	0.101	0.099	0.095	0.091	0.083	0.074	0.076
C92686	0.100	0.099	0.099	0.101	0.095	0.097	0.095	0.089	0.083	0.076
C92687	0.108	0.104	0.103	0.099	0.099	0.091	0.088	0.085	0.080	0.074
C92688	SPILLED	0.121	0.119	SPILLED	SPILLED	0.113	SPILLED	SPILLED	SPILLED	0.097
C92689	0.104	0.093	0.097	0.099	0.102	0.099	0.092	0.090	0.080	0.076
C92690	0.099	0.097	0.097	0.095	0.093	0.088	0.089	0.077	0.075	0.074

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: MALE 4 - 5 PPM										
C92691	0.265	0.254	0.249	0.244	0.257	0.251	0.244	0.222	0.206	0.199
C92692	0.249	0.246	0.246	0.245	0.234	0.229	0.209	0.195	0.193	0.180
C92693	0.271	0.256	0.245	0.249	0.252	0.242	0.221	0.211	0.194	0.195
C92694	0.240	0.229	0.209	0.228	0.234	0.239	0.225	0.195	0.192	0.187
C92695	0.261	0.259	0.248	0.246	0.244	0.247	0.227	0.214	0.213	0.199
C92696	0.279	SPILLED	0.266	0.248	0.249	0.245	0.243	0.236	SPILLED	0.186
C92697	0.304	0.295	0.288	SPILLED	0.260	0.272	0.269	0.249	0.223	0.224
C92698	0.260	0.254	0.253	0.247	0.243	0.226	0.226	0.198	0.183	0.183
C92699	0.273	0.270	0.258	0.256	0.248	0.247	0.179	0.227	0.203	0.224
C92700	0.270	0.269	0.270	0.261	0.257	0.263	0.262	0.228	0.248	SPILLED
C92701	0.252	0.247	0.244	0.237	0.227	0.226	0.227	0.200	0.197	0.187
C92702	0.249	0.251	0.239	0.238	0.236	0.232	0.219	0.205	0.201	0.206
C92703	0.294	0.298	0.283	0.279	0.264	0.273	0.252	0.223	0.206	0.198
C92704	0.261	0.251	0.240	0.245	0.235	0.236	0.222	0.201	0.193	0.179
C92705	0.283	0.275	0.260	0.265	0.266	0.251	0.248	0.228	0.218	0.197
C92706	0.241	0.246	0.235	0.230	0.231	0.216	0.207	0.193	0.194	0.190
C92707	0.250	0.235	0.234	0.233	0.236	0.232	0.225	0.206	0.200	0.201
C92708	0.264	0.237	0.260	0.250	0.256	0.249	0.230	0.207	0.201	0.199
C92709	0.267	0.262	0.261	0.249	0.260	0.247	0.231	0.217	0.207	0.193
C92710	0.275	0.275	0.255	0.251	0.247	0.238	0.226	0.208	0.209	0.194
C92711	0.243	0.240	0.239	0.201	0.239	0.241	0.219	0.204	0.193	0.189
C92712	0.267	0.258	0.263	0.278	0.273	0.257	SPILLED	0.233	0.219	0.209
C92713	0.256	0.256	0.242	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92714	0.278	0.265	0.263	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92715	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92716	0.242	0.247	0.240	0.204	SPILLED	0.231	0.220	0.203	0.191	0.191
C92717	0.269	0.275	0.257	0.258	0.256	0.264	0.245	0.215	0.207	0.204
C92718	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92719	0.278	0.275	0.272	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92720	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	0.287	SPILLED	0.254	0.239	0.224
C92721	0.260	0.259	0.260	0.246	0.251	0.262	0.230	0.227	0.222	0.204

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

GROUP: MALE 4 - 5 PPM

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
C92722	0.297	0.291	0.274	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92723	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	0.256	SPILLED	0.242	SPILLED	SPILLED
C92724	SPILLED	SPILLED	0.310	SPILLED	SPILLED	0.294	0.258	0.245	SPILLED	0.209
C92725	0.268	0.256	0.252	0.252	0.242	0.243	0.228	0.204	0.194	0.190
C92726	0.264	0.253	0.248	0.217	0.272	0.249	0.222	0.235	0.215	0.203
C92727	0.264	0.281	0.275	0.243	0.248	0.261	0.244	0.224	0.197	0.203
C92728	0.271	0.266	0.254	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92729	0.268	0.269	0.272	0.254	0.235	0.237	0.229	0.213	0.197	0.190
C92730	SPILLED	0.262	0.254	0.257	0.257	0.252	0.226	0.223	0.212	0.194
C92731	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92732	0.282	0.293	0.281	0.270	0.267	0.273	0.247	0.218	0.213	0.203
C92733	0.283	0.273	0.275	0.287	0.286	0.260	0.283	0.255	0.248	0.228
C92734	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92735	0.254	0.253	0.249	0.249	0.244	0.254	0.223	0.206	0.201	0.202
C92736	0.256	0.258	0.253	0.246	0.245	0.231	0.238	0.223	0.204	0.190
C92737	0.266	0.257	0.247	0.252	0.251	0.241	0.235	0.210	0.204	0.198
C92738	0.273	0.265	0.251	0.252	0.255	0.229	0.227	0.234	0.208	0.205
C92739	SPILLED	0.297	0.281	0.269	0.267	0.273	0.270	0.260	0.228	0.222
C92740	0.265	0.259	0.252	0.248	0.240	0.236	0.229	0.205	0.193	0.197
C92741	0.256	0.250	0.251	0.225	0.249	0.236	0.253	0.222	SPILLED	SPILLED
C92742	0.257	0.248	0.242	0.230	0.227	0.220	0.199	0.189	0.180	0.177
C92743	SPILLED	0.254	0.255	0.253	0.245	0.239	0.235	0.200	0.191	0.192
C92744	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92745	0.265	0.261	0.252	0.252	0.244	0.249	0.227	0.213	0.189	0.201
C92746	SPILLED	SPILLED	0.225	0.218	0.229	0.222	0.220	0.205	0.193	0.186
C92747	0.266	0.271	0.258	0.261	0.255	0.243	0.236	0.223	0.216	0.200
C92748	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	0.277	0.258	0.231	0.220
C92749	SPILLED	0.275	0.241	0.263	0.263	0.252	0.248	0.222	0.225	0.206
C92750	SPILLED	0.266	0.257	0.254	0.252	0.237	0.239	0.215	0.205	0.194

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

GROUP: MALE 5 - 20 PPM

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
C92751	0.991	0.902	0.994	0.968	1.008	0.997	0.920	0.845	0.789	0.760
C92752	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92753	0.884	SPILLED	1.137	SPILLED	SPILLED	1.171	SPILLED	1.015	0.817	0.875
C92754	1.033	1.107	1.035	0.921	1.023	0.981	1.011	0.914	0.877	0.870
C92755	1.068	1.051	1.037	1.031	1.011	1.010	0.962	0.875	0.811	0.797
C92756	1.194	1.276	1.204	SPILLED	SPILLED	1.133	SPILLED	1.084	SPILLED	0.880
C92757	1.127	1.099	1.047	1.037	1.029	1.079	1.069	1.051	0.924	0.902
C92758	0.978	0.962	0.951	0.920	0.925	0.919	0.928	0.806	0.767	0.754
C92759	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92760	1.073	1.144	1.055	1.038	0.985	0.970	0.993	0.909	0.914	0.836
C92761	1.077	1.045	1.057	1.044	0.969	1.045	1.071	1.016	0.972	1.013
C92762	1.170	1.139	1.013	0.991	0.985	0.963	1.027	0.888	0.885	0.870
C92763	1.006	1.043	0.972	0.980	0.952	0.930	0.887	0.820	0.805	0.732
C92764	1.206	1.260	1.138	1.146	1.087	1.145	1.040	1.020	1.003	0.952
C92765	1.064	1.006	1.026	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92766	1.063	1.078	1.042	1.038	1.064	1.015	1.052	0.992	0.885	0.854
C92767	1.154	1.131	1.082	0.896	1.048	SPILLED	1.012	0.936	0.849	0.814
C92768	0.999	0.977	0.947	0.930	0.950	0.919	0.926	0.822	0.810	SPILLED
C92769	1.080	1.088	1.033	1.025	1.024	1.004	1.040	0.912	0.829	0.857
C92770	1.004	0.998	0.908	0.896	0.900	0.891	0.882	0.805	0.837	0.783
C92771	0.976	SPILLED	0.910	0.964	0.926	0.867	0.930	0.867	0.812	0.750
C92772	0.998	1.073	1.032	0.999	1.013	1.001	0.954	0.884	0.889	0.854
C92773	1.019	1.027	0.951	0.959	0.991	1.003	0.989	0.937	0.978	0.940
C92774	1.043	1.077	1.076	0.928	1.080	1.012	0.945	0.884	0.749	0.772
C92775	1.115	1.108	1.058	1.055	1.006	1.015	1.017	0.904	0.857	0.828
C92776	1.017	1.016	1.015	0.983	0.963	0.895	0.933	0.828	0.819	0.795
C92777	1.132	1.143	1.097	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92778	1.019	1.038	1.012	0.984	0.992	0.972	0.915	0.829	0.798	0.797
C92779	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92780	SPILLED	1.173	1.232	1.201	1.129	1.097	1.125	1.051	1.081	1.026
C92781	1.020	0.958	1.015	1.021	0.988	0.911	0.898	0.898	0.817	0.817

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: MALE 5 - 20 PPM										
C92782	1.075	1.054	1.023	1.033	1.025	0.992	0.915	0.886	0.801	0.772
C92783	0.999	0.994	0.969	0.957	0.930	0.953	0.898	0.858	0.843	0.790
C92784	1.115	1.126	1.037	0.943	1.051	1.041	0.949	0.889	0.897	0.864
C92785	1.103	1.040	1.052	0.992	0.993	0.988	0.961	0.865	0.855	0.809
C92786	1.061	1.041	0.963	0.961	1.014	1.021	0.972	0.883	0.859	0.828
C92787	SPILLED	1.152	SPILLED	SPILLED	SPILLED	1.073	1.037	0.984	1.045	1.040
C92788	1.055	0.983	0.985	1.027	1.000	0.952	0.971	0.867	0.886	0.825
C92789	SPILLED	1.046	0.905	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92790	1.059	1.035	1.025	1.011	0.957	0.882	0.923	0.856	0.843	0.821
C92791	1.079	1.062	1.047	1.040	1.042	1.064	1.076	0.974	0.973	0.916
C92792	1.027	1.038	0.994	0.959	0.980	1.003	0.947	0.876	0.802	0.817
C92793	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92794	1.041	0.998	1.009	0.965	0.951	0.930	0.880	0.872	0.779	0.797
C92795	1.089	1.044	0.967	0.998	1.017	1.031	0.963	0.861	0.840	0.809
C92796	1.000	0.975	0.949	0.958	0.993	0.991	0.902	0.909	0.868	0.872
C92797	1.027	1.035	0.988	1.015	1.002	1.011	1.054	0.958	0.892	0.884
C92798	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92799	1.066	1.028	1.062	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92800	SPILLED	1.024	1.013	0.978	0.967	0.958	0.958	0.862	0.854	0.797
C92801	1.025	0.985	0.945	0.920	0.970	0.913	0.840	0.862	0.830	0.766
C92802	1.086	1.051	1.049	1.025	1.041	1.048	0.987	0.913	0.905	0.889
C92803	1.020	0.990	0.984	0.980	0.989	0.994	0.973	0.935	0.938	0.931
C92804	1.119	1.078	1.095	1.104	1.053	1.049	1.030	0.950	0.897	0.891
C92805	1.064	1.020	1.010	0.971	0.964	0.914	0.903	0.825	0.787	0.750
C92806	1.021	1.050	1.020	0.916	0.877	0.937	0.884	0.844	0.891	0.810
C92807	1.060	1.013	0.981	0.977	1.035	0.986	0.904	0.837	0.802	0.781
C92808	1.011	0.945	0.968	0.958	0.972	0.961	0.930	0.872	0.864	0.825
C92809	1.114	1.049	1.118	1.088	1.097	1.055	1.024	0.858	0.865	0.809
C92810	1.079	1.055	1.049	1.037	1.056	0.975	0.920	0.881	0.848	0.814
C92811	1.146	TECH SPILL	1.046	1.083	1.100	1.101	1.034	0.944	0.897	0.840
C92812	0.959	0.950	0.932	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: MALE 5 - 20 PPM										
C92813	1.129	1.017	1.045	1.068	1.021	1.006	0.965	0.919	0.904	0.934
C92814	0.989	0.983	0.954	1.027	1.023	1.082	0.963	0.883	0.925	0.857
C92815	SPILLED	SPILLED	SPILLED	1.246	SPILLED	1.256	SPILLED	1.108	1.129	1.071
C92816	1.005	0.960	0.951	0.958	0.929	0.900	0.862	0.810	0.833	0.737
C92817	1.026	0.997	0.990	0.969	0.964	0.947	0.934	0.829	0.816	0.792
C92818	1.069	1.010	1.009	1.010	1.020	1.035	0.991	0.886	0.838	0.860
C92819	1.049	0.991	1.033	1.099	1.048	1.074	1.051	0.911	0.896	0.884
C92820	SPILLED	1.617	1.563	1.194	1.407	1.286	1.115	0.953	1.140	1.138
GROUP: MALE 6 - 20 PPM										
C92821	1.088	1.147	1.092	1.023	1.019	0.946	0.961	SPILLED	1.131	0.937
C92822	1.042	1.031	0.994	1.052	1.021	0.969	1.013	0.864	0.874	0.791
C92823	1.053	1.027	0.985	0.985	1.002	1.015	0.811	0.655	0.868	0.791
C92824	1.056	1.032	1.011	1.037	0.997	1.019	0.966	0.885	SPILLED	SPILLED
C92825	1.253	1.074	1.069	1.080	1.060	SPILLED	1.056	0.927	0.881	SPILLED
C92826	1.116	1.264	1.145	1.161	1.110	1.090	1.158	1.031	0.970	0.896
C92827	1.095	1.082	1.111	1.183	1.138	1.105	1.040	0.982	0.892	0.859
C92828	1.006	0.975	1.005	1.046	1.008	0.966	0.991	0.911	0.863	0.820
C92829	1.068	1.070	1.057	1.059	1.043	1.012	0.978	0.870	0.842	0.823
C92830	1.183	1.196	1.204	1.179	1.151	1.090	0.836	0.953	0.925	0.887
C92831	1.080	1.085	1.062	0.905	1.070	1.072	0.959	0.901	0.803	0.762
C92832	SPILLED	1.033	1.021	1.033	0.978	0.915	0.928	0.861	0.809	0.822
C92833	0.995	0.964	0.966	0.993	0.953	0.927	0.877	0.811	0.752	0.732
C92834	1.051	1.023	0.956	0.992	0.989	0.988	0.978	0.930	0.864	0.839
C92835	1.043	1.011	0.994	1.014	1.044	1.008	0.962	0.876	0.845	0.807
C92836	1.116	0.984	0.944	1.005	0.997	0.927	0.916	0.826	0.831	0.805
C92837	0.998	0.962	0.937	0.917	0.954	0.880	0.960	0.848	0.825	0.841
C92838	1.068	1.052	1.070	1.083	1.011	0.991	0.958	0.894	0.883	0.848
C92839	1.086	1.076	1.072	1.022	1.063	1.046	0.933	0.884	0.818	0.798
C92840	1.023	0.998	1.026	0.987	0.992	0.974	0.886	0.862	0.849	0.824

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: MALE 6 - 20 PPM										
C92841	1.087	0.997	0.768	1.071	1.054	0.983	0.948	0.848	0.846	0.790
C92842	1.032	0.961	0.965	0.941	0.847	0.936	0.923	0.864	0.796	0.788
C92843	1.051	0.988	0.968	0.920	0.972	1.032	1.024	0.820	0.835	0.760
C92844	1.071	0.981	1.003	1.024	1.043	1.075	1.082	0.978	0.964	0.854
C92845	1.237	1.167	SPILLED	1.188	1.120	1.120	1.124	1.004	0.958	0.921
C92846	1.099	1.062	1.034	0.953	0.976	1.005	0.946	0.851	SPILLED	0.888
C92847	1.091	1.060	1.031	1.002	1.006	0.946	0.944	0.868	0.808	0.782
C92848	1.230	1.183	1.222	SPILLED	1.118	1.071	1.065	1.048	0.959	0.891
C92849	SPILLED	SPILLED	SPILLED	SPILLED	1.170	1.198	SPILLED	1.114	SPILLED	SPILLED
C92850	1.183	1.166	SPILLED	1.193	1.162	SPILLED	SPILLED	1.079	SPILLED	SPILLED
C92851	0.989	0.988	0.964	0.987	1.036	1.013	0.934	0.874	0.879	0.981
C92852	1.225	1.143	1.085	1.023	1.049	1.099	1.010	0.904	0.898	0.960
C92853	1.029	0.982	0.971	0.992	0.948	0.994	1.007	0.898	0.876	0.858
C92854	1.096	1.064	1.023	1.025	1.025	1.006	1.013	0.932	0.907	0.811
C92855	1.154	1.062	1.094	1.484	1.145	1.067	0.879	0.927	0.922	0.835
C92856	1.073	1.014	1.055	1.045	1.038	1.006	0.947	0.897	0.877	0.854
C92857	0.955	0.926	0.933	0.956	0.946	0.955	0.908	0.780	0.763	0.728
C92858	1.069	1.012	0.995	0.963	0.964	0.923	0.913	0.878	0.815	SPILLED
C92859	1.064	1.037	0.998	1.013	1.008	0.962	0.997	0.963	0.883	0.874
C92860	1.130	1.080	1.059	1.088	1.057	1.040	1.046	0.960	0.880	0.831
GROUP: FEMALE 2 - 0.5 PPM										
C92931	0.030	0.028	0.029	0.026	0.028	0.028	0.027	0.026	0.025	0.024
C92932	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	0.036	SPILLED	0.040	0.041	0.054
C92933	0.036	0.034	0.031	0.027	0.029	0.031	0.029	0.027	0.025	0.024
C92934	0.041	SPILLED	0.036	SPILLED	0.034	0.034	0.032	0.030	0.028	0.027
C92935	0.030	0.029	0.028	0.023	0.026	0.026	0.027	0.025	0.021	0.025
C92936	0.029	0.032	0.030	0.028	0.030	0.029	0.025	0.024	0.026	0.024
C92937	0.034	0.037	0.034	0.034	0.034	0.033	0.034	0.031	0.030	0.028
C92938	0.032	SPILLED	0.045	SPILLED	0.033	SPILLED	SPILLED	SPILLED	0.025	SPILLED

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

GROUP: FEMALE 2 - 0.5 PPM

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
C92939	0.035	SPILLED	SPILLED	SPILLED	0.044	SPILLED	SPILLED	SPILLED	0.032	SPILLED
C92940	SPILLED	SPILLED	SPILLED	SPILLED	0.047	0.036	0.033	0.030	0.028	0.028
C92941	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92942	0.033	SPILLED	0.034	SPILLED	0.033	SPILLED	0.031	0.029	0.029	0.028
C92943	0.029	0.031	0.032	0.035	0.032	0.030	0.027	0.023	0.025	0.027
C92944	0.034	SPILLED	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92945	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92946	0.031	0.031	0.031	0.027	0.030	0.031	0.025	0.028	0.024	0.025
C92947	0.034	0.031	0.032	0.023	0.029	0.030	0.030	0.023	0.024	0.024
C92948	0.031	0.028	0.031	0.025	0.030	0.028	0.029	0.029	0.025	0.023
C92949	0.027	0.030	0.031	0.029	0.027	0.029	0.026	0.024	0.020	0.014
C92950	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92951	0.029	SPILLED	SPILLED	0.031	0.031	0.032	0.033	SPILLED	SPILLED	0.028
C92952	0.033	0.030	0.030	0.033	0.031	0.030	0.030	0.029	0.027	0.025
C92953	0.033	0.031	0.032	0.030	0.028	0.031	0.031	0.027	0.026	0.029
C92954	0.034	0.035	SPILLED	0.034	0.032	0.032	0.030	0.027	0.029	0.028
C92955	0.033	0.030	0.030	0.029	0.029	0.029	0.028	0.028	0.027	0.024
C92956	0.032	0.027	0.027	0.022	0.028	0.028	0.028	0.024	0.025	0.024
C92957	0.035	0.033	SPILLED	SPILLED	0.034	0.033	0.032	SPILLED	0.029	0.026
C92958	0.033	0.032	0.032	0.028	0.031	0.033	0.033	0.029	0.027	0.028
C92959	0.035	0.032	0.035	0.034	0.030	0.032	0.033	0.031	0.044	0.027
C92960	0.031	0.036	0.035	0.032	0.033	0.032	0.032	SPILLED	0.035	0.027
C92961	0.032	0.030	0.029	0.028	0.028	0.027	0.025	0.024	0.023	0.021
C92962	0.032	0.031	0.031	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92963	0.033	0.036	0.032	0.034	0.031	0.031	0.031	0.027	0.030	0.029
C92964	0.032	SPILLED	0.031	SPILLED	0.031	0.050	SPILLED	SPILLED	0.029	0.033
C92965	0.033	0.034	0.031	0.030	0.031	0.031	0.030	0.031	CNTMD	0.031
C92966	0.032	0.033	0.034	0.032	0.031	0.033	0.033	0.028	0.027	0.024
C92967	0.030	SPILLED	0.029	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92968	0.030	0.030	0.031	0.028	0.028	0.028	0.027	0.025	0.025	0.020
C92969	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: FEMALE 2 - 0.5 PPM										
C92970	0.030	0.032	0.031	0.030	0.031	0.031	0.027	0.025	0.025	0.023
C92971	0.031	0.032	0.030	0.032	0.028	0.030	0.029	0.026	0.030	0.027
C92972	0.036	0.037	0.035	0.032	0.034	0.037	0.033	0.030	0.028	0.028
C92973	0.037	0.036	SPILLED	0.038	0.037	0.036	0.034	0.038	0.030	0.032
C92974	0.032	0.030	0.030	0.034	0.032	0.031	0.029	0.026	0.024	0.024
C92975	0.037	0.036	0.035	0.034	0.033	0.035	0.035	0.030	0.030	0.027
C92976	0.030	0.030	0.027	0.026	0.027	0.028	0.028	0.028	0.025	0.023
C92977	0.035	0.041	0.036	0.033	0.031	SPILLED	0.029	0.027	0.026	0.027
C92978	0.031	0.031	0.029	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92979	0.034	0.029	0.032	0.030	0.029	0.028	0.025	0.028	0.026	0.023
C92980	0.034	0.032	0.031	0.030	0.029	0.028	0.029	0.027	0.021	0.030
C92981	0.031	SPILLED	0.030	0.030	0.029	0.027	0.027	0.031	0.023	0.027
C92982	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92983	0.033	0.032	0.032	SPILLED	0.027	0.028	0.035	0.026	0.026	0.026
C92984	0.031	0.029	0.029	0.027	0.027	0.026	0.028	0.025	0.024	0.022
C92985	0.031	0.031	0.032	0.028	0.028	SPILLED	0.029	0.027	0.024	0.028
C92986	0.034	0.032	0.033	0.029	0.033	0.033	0.031	0.028	0.027	0.026
C92987	0.030	0.031	0.031	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92988	0.035	0.031	0.035	0.036	0.033	0.031	0.029	0.028	0.031	0.025
C92989	SPILLED	SPILLED	SPILLED	SPILLED	0.038	SPILLED	0.037	0.036	0.044	SPILLED
C92990	0.037	0.036	0.034	0.036	0.034	0.033	0.030	0.030	0.031	0.041
GROUP: FEMALE 3 - 2 PPM										
C92991	0.127	0.123	0.119	0.125	0.119	0.126	0.123	0.115	0.129	0.120
C92992	0.137	0.126	0.125	SPILLED	0.139	0.134	0.133	0.128	0.127	0.126
C92993	0.129	0.127	0.120	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92994	0.127	0.134	0.119	0.115	0.131	0.122	0.122	0.106	0.106	0.102
C92995	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92996	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92997	0.134	0.128	0.123	SPILLED	0.127	SPILLED	SPILLED	0.124	0.129	0.120

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: FEMALE 3 - 2 PPM										
C92998	0.143	0.139	0.135	0.136	0.135	0.139	0.123	0.124	0.125	0.106
C92999	SPILLED	SPILLED	0.134	SPILLED	0.150	SPILLED	SPILLED	0.109	0.117	0.112
C93000	0.129	0.148	0.123	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93001	0.141	0.146	0.133	0.129	0.132	0.131	0.139	0.145	0.142	0.121
C93002	0.137	0.143	0.130	0.133	0.118	0.133	0.131	0.119	0.124	0.120
C93003	0.109	0.123	0.118	0.114	0.121	0.111	0.127	0.108	0.123	0.094
C93004	0.132	0.133	0.125	0.123	0.126	0.120	0.112	0.105	0.094	0.101
C93005	0.133	0.133	0.138	0.146	0.141	0.128	0.149	0.133	0.116	0.116
C93006	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93007	0.132	SPILLED	0.115	0.129	0.132	0.118	0.116	0.114	0.112	0.101
C93008	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93009	SPILLED	0.171	0.128	0.139	0.122	0.123	0.117	0.122	0.139	0.116
C93010	0.152	0.147	0.139	SPILLED	0.145	0.169	0.130	0.117	0.110	0.124
C93011	0.125	0.117	0.110	0.115	0.113	0.118	0.103	0.099	0.096	0.105
C93012	0.132	0.120	0.121	0.122	0.128	0.124	0.121	0.114	0.114	0.106
C93013	0.138	0.147	0.124	0.145	0.124	0.133	0.115	0.142	0.108	0.110
C93014	0.123	0.140	0.122	0.116	0.124	0.112	0.113	0.093	0.107	0.105
C93015	0.128	SPILLED	SPILLED	SPILLED	0.128	SPILLED	SPILLED	SPILLED	0.111	0.122
C93016	0.128	SPILLED	0.143	0.142	SPILLED	0.171	SPILLED	SPILLED	0.206	0.167
C93017	0.152	0.148	0.147	0.149	0.137	0.135	0.128	0.112	0.120	0.114
C93018	0.135	0.127	0.123	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93019	0.132	SPILLED	SPILLED	SPILLED	SPILLED	0.127	0.123	SPILLED	0.110	0.105
C93020	0.132	0.196	0.134	0.146	0.132	0.126	0.128	0.132	0.122	0.096
C93021	0.132	0.114	0.119	0.121	0.108	0.117	0.128	0.110	0.102	0.098
C93022	0.125	0.112	0.112	0.119	0.106	0.112	0.103	0.099	0.092	0.099
C93023	SPILLED	SPILLED	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93024	0.144	0.141	0.128	0.128	0.143	0.129	0.119	0.118	0.118	0.110
C93025	0.147	0.146	0.137	0.132	0.141	0.104	0.129	0.109	0.119	0.103
C93026	0.142	0.137	0.122	0.108	0.120	0.120	0.127	0.124	0.118	0.120
C93027	0.127	0.136	0.128	0.154	0.118	0.120	0.115	0.114	0.108	0.104
C93028	0.139	0.128	SPILLED	SPILLED	SPILLED	0.131	SPILLED	0.120	SPILLED	SPILLED

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: FEMALE 3 - 2 PPM										
C93029	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	0.165	SPILLED
C93030	0.146	SPILLED	0.131	0.119	0.142	SPILLED	0.125	0.121	0.104	0.111
C93031	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93032	0.131	0.138	0.128	0.117	0.124	0.130	0.127	0.119	0.116	0.110
C93033	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	0.159	SPILLED	0.121
C93034	0.147	SPILLED	0.133	0.123	0.119	0.127	0.107	0.117	0.116	0.113
C93035	0.142	0.134	0.125	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93036	SPILLED	0.131	0.121	SPILLED	0.127	0.109	0.117	0.116	0.103	0.090
C93037	0.133	0.134	0.127	0.128	0.124	0.146	0.104	0.101	0.108	0.100
C93038	SPILLED	SPILLED	0.149	0.148	0.149	0.153	0.135	0.132	0.121	0.121
C93039	0.146	0.134	0.134	0.127	0.119	0.112	0.112	0.109	0.108	0.100
C93040	SPILLED	SPILLED	SPILLED	0.151	SPILLED	SPILLED	0.131	0.155	0.161	0.142
C93041	0.165	SPILLED	0.158	SPILLED	0.137	0.143	0.148	0.147	0.129	0.115
C93042	0.133	0.132	0.125	0.133	0.115	0.101	0.143	0.126	0.122	0.105
C93043	0.145	0.150	0.142	0.132	0.142	0.131	0.119	0.129	0.111	0.115
C93044	0.140	0.126	0.122	0.129	0.130	SPILLED	0.122	SPILLED	0.178	SPILLED
C93045	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93046	0.107	0.156	0.135	0.123	0.125	0.145	0.124	0.126	TECH SPILL	SPILLED
C93047	0.134	0.128	0.117	0.121	0.124	0.117	0.106	0.093	0.099	0.107
C93048	0.154	SPILLED	0.155	0.144	0.144	0.162	0.144	0.137	SPILLED	0.125
C93049	0.137	0.133	0.131	0.129	0.126	0.129	0.122	0.112	0.114	0.108
C93050	0.145	SPILLED	0.151	SPILLED	0.140	0.154	0.137	0.138	0.126	0.124
GROUP: FEMALE 4 - 5 PPM										
C93051	0.351	0.397	0.358	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93052	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	0.282	SPILLED
C93053	0.385	0.345	0.332	0.357	0.330	0.366	0.326	0.301	0.272	0.262
C93054	SPILLED	SPILLED	0.358	0.379	0.337	SPILLED	0.331	0.325	0.320	0.307
C93055	SPILLED	0.471	0.328	SPILLED	0.312	0.307	0.300	0.268	0.286	0.296
C93056	0.321	0.322	0.321	0.305	0.311	0.311	0.322	0.293	0.314	0.299

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: FEMALE 4 - 5 PPM										
C93057	0.366	0.359	0.362	0.351	0.353	0.325	0.312	0.322	0.304	0.304
C93058	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93059	0.348	0.346	0.320	0.325	0.315	0.338	0.307	0.278	0.267	0.280
C93060	0.360	0.345	0.313	0.319	0.319	0.296	0.277	0.279	0.249	0.270
C93061	0.348	0.296	0.314	0.298	0.319	0.304	0.321	0.312	0.296	0.278
C93062	0.347	0.327	0.319	0.310	0.314	0.305	0.308	0.293	0.298	SPILLED
C93063	0.319	0.293	0.324	0.297	0.306	0.290	0.265	0.251	0.251	0.260
C93064	0.372	0.340	0.331	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93065	0.380	0.417	0.360	0.368	0.356	0.367	0.340	0.323	0.304	0.272
C93066	0.367	0.333	0.326	0.321	0.330	0.317	SPILLED	SPILLED	0.335	SPILLED
C93067	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93068	0.336	0.338	0.315	0.314	0.309	0.310	0.294	0.296	0.250	0.284
C93069	0.313	0.307	0.306	0.289	0.278	0.280	0.286	0.298	0.251	0.261
C93070	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93071	0.340	0.329	0.316	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93072	0.420	0.413	SPILLED	0.348	SPILLED	0.349	0.348	0.322	0.318	0.293
C93073	0.371	0.365	0.363	0.336	0.349	0.357	0.335	0.316	0.306	0.288
C93074	0.431	SPILLED	0.361	SPILLED	0.351	0.369	0.357	0.303	0.272	0.242
C93075	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93076	SPILLED	0.322	SPILLED	0.260	SPILLED	SPILLED	0.306	0.287	0.273	0.235
C93077	0.324	0.300	0.288	0.270	0.262	0.266	0.299	0.277	0.263	0.252
C93078	0.360	0.455	SPILLED	SPILLED	0.353	0.366	0.401	0.306	0.309	0.310
C93079	0.345	0.361	0.351	0.330	0.366	0.316	0.311	0.264	0.277	0.253
C93080	0.343	0.335	0.317	0.296	0.320	0.293	0.384	0.311	SPILLED	SPILLED
C93081	0.323	0.329	0.332	0.303	0.319	0.288	0.304	0.277	0.304	0.266
C93082	0.295	0.295	0.294	0.285	0.291	0.304	0.305	0.316	0.265	0.261
C93083	0.343	0.342	0.349	0.336	0.346	0.334	0.305	0.294	0.294	0.267
C93084	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93085	0.345	0.338	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93086	0.314	0.373	0.303	SPILLED	0.309	0.306	0.305	0.268	0.271	0.248
C93087	0.362	0.364	0.303	0.314	0.313	0.326	0.317	0.283	0.273	0.297

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: FEMALE 4 - 5 PPM										
C93088	0.300	0.359	0.326	0.335	0.323	0.340	0.327	0.300	0.314	0.293
C93089	0.355	0.317	0.296	0.268	0.314	0.295	0.310	0.280	0.265	0.279
C93090	0.345	0.311	0.316	0.284	0.334	0.298	0.292	0.262	0.262	0.247
C93091	0.303	0.308	0.288	0.298	0.286	0.267	0.295	0.278	0.281	0.231
C93092	0.365	0.350	0.307	0.322	0.329	0.320	0.366	0.315	0.311	0.325
C93093	0.293	0.292	0.335	0.237	0.322	0.331	SPILLED	SPILLED	0.220	0.265
C93094	0.345	0.349	0.310	0.304	0.319	0.334	0.313	0.267	0.276	0.275
C93095	0.337	SPILLED	0.349	0.316	0.317	0.316	0.302	0.255	0.251	0.242
C93096	0.345	0.361	0.343	SPILLED	0.323	0.311	0.320	0.296	0.250	NOT TAKEN
C93097	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	0.329	0.304	0.289
C93098	0.332	0.351	0.309	0.349	0.297	0.308	0.312	0.286	0.254	0.266
C93099	0.322	0.289	0.301	0.283	0.280	0.291	0.260	0.292	0.277	0.270
C93100	0.399	0.374	0.381	0.346	0.353	0.369	0.376	0.316	0.284	0.290
C93101	0.326	0.300	0.267	0.290	0.300	0.285	SPILLED	0.257	0.264	0.253
C93102	SPILLED	SPILLED	0.329	SPILLED	0.335	0.331	0.347	0.302	SPILLED	0.302
C93103	0.346	0.324	0.335	0.302	0.286	0.290	0.318	0.212	0.288	0.372
C93104	SPILLED	0.404	0.355	SPILLED	SPILLED	0.322	0.305	0.285	0.255	0.243
C93105	0.337	0.346	0.318	0.290	0.299	0.299	0.298	0.261	0.248	0.252
C93106	0.338	0.307	0.298	0.292	0.313	0.295	0.310	0.289	0.294	0.272
C93107	0.325	0.300	0.275	0.283	0.289	0.286	0.285	0.250	0.253	0.254
C93108	0.324	SPILLED	0.298	0.282	0.298	0.300	SPILLED	0.275	0.244	0.242
C93109	0.351	0.334	0.291	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93110	0.379	0.362	0.366	SPILLED	0.326	SPILLED	0.291	0.288	0.282	0.223
GROUP: FEMALE 5 - 20 PPM										
C93111	1.235	1.190	1.065	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93112	1.298	1.219	1.118	1.208	1.149	1.197	SPILLED	1.114	1.123	1.093
C93113	1.511	1.411	1.276	1.315	1.498	1.420	1.347	1.249	1.191	1.231
C93114	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93115	1.445	1.486	1.406	1.395	1.331	1.346	1.323	1.271	1.150	1.087

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: FEMALE 5 - 20 PPM										
C93116	SPILLED	1.405	1.259	1.232	1.311	1.282	1.265	1.280	1.177	1.231
C93117	1.326	1.374	1.173	1.257	SPILLED	1.258	SPILLED	1.190	1.232	1.209
C93118	1.416	1.373	1.381	1.417	1.417	1.498	1.401	1.258	0.955	1.197
C93119	1.455	1.442	1.351	1.317	1.378	1.266	1.303	1.190	1.228	1.202
C93120	1.276	1.491	1.370	1.204	1.443	1.257	1.355	1.291	1.229	1.196
C93121	1.321	1.386	1.286	1.257	1.273	1.261	1.319	1.215	1.134	1.101
C93122	1.263	1.280	0.968	1.202	1.199	1.197	1.185	1.076	1.152	1.180
C93123	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93124	1.451	1.404	1.441	1.086	1.113	1.277	1.218	1.279	1.055	0.985
C93125	1.533	1.581	1.562	1.579	1.469	1.441	1.499	1.234	1.232	1.198
C93126	1.356	1.224	1.182	1.277	1.292	1.284	1.315	1.219	1.223	1.189
C93127	1.366	1.429	1.252	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93128	1.374	1.454	1.385	1.316	1.295	1.306	1.265	1.153	1.039	1.219
C93129	1.481	1.382	1.336	1.394	1.283	1.466	1.544	1.604	1.177	1.270
C93130	1.434	1.493	1.332	1.321	1.382	1.367	1.317	1.208	1.022	1.212
C93131	1.338	1.202	1.202	1.196	1.172	SPILLED	1.168	1.157	1.121	1.095
C93132	1.347	1.257	1.192	1.256	1.287	1.286	1.385	1.178	1.109	1.068
C93133	1.369	1.385	1.246	1.420	1.386	1.457	SPILLED	SPILLED	SPILLED	1.200
C93134	1.240	1.238	1.131	1.199	1.176	1.156	1.220	1.054	1.058	0.982
C93135	1.349	1.381	1.366	1.195	1.452	1.299	1.168	1.049	1.154	1.312
C93136	1.420	1.434	1.298	1.377	1.410	1.405	1.410	1.419	1.324	1.317
C93137	1.453	1.497	1.443	1.513	1.483	1.409	1.467	1.301	1.224	1.185
C93138	1.175	1.310	1.223	1.193	1.194	1.213	1.234	1.143	1.106	1.001
C93139	1.575	1.497	1.471	1.483	1.429	1.378	SPILLED	1.235	1.234	1.242
C93140	1.538	1.473	1.321	1.371	1.470	1.464	1.376	1.233	1.091	1.135
C93141	1.448	1.389	1.434	1.287	1.342	1.491	1.301	1.168	1.214	1.078
C93142	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93143	SPILLED	1.824	1.813	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93144	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93145	1.673	1.488	SPILLED	1.593	1.750	1.755	1.423	SPILLED	1.778	SPILLED
C93146	1.370	1.363	1.373	SPILLED	1.224	1.316	1.458	1.165	0.993	1.129

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: FEMALE 5 - 20 PPM										
C93147	1.237	1.380	1.297	1.277	1.308	1.301	1.291	1.213	1.125	1.107
C93148	1.399	1.332	1.385	1.239	1.285	1.277	1.278	1.261	1.150	1.092
C93149	1.392	SPILLED	SPILLED	1.614	1.303	1.269	1.273	1.125	1.098	1.133
C93150	SPILLED	1.611	1.453	1.275	1.506	1.313	1.398	1.319	1.320	1.236
C93151	1.336	1.319	1.260	1.252	1.285	1.243	1.334	1.274	1.161	1.130
C93152	1.331	1.366	1.299	1.328	1.349	1.266	SPILLED	SPILLED	SPILLED	1.231
C93153	SPILLED	2.495	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	1.312	1.438	1.176
C93154	1.303	1.266	1.299	1.224	1.270	1.241	1.184	1.106	1.081	1.141
C93155	SPILLED	SPILLED	2.449	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93156	1.323	1.267	1.249	1.205	1.228	1.211	1.194	1.142	1.120	1.142
C93157	1.487	1.519	1.329	1.299	1.350	1.322	1.383	1.212	1.291	1.188
C93158	1.312	1.305	1.330	1.302	1.270	1.318	1.337	1.278	1.227	1.193
C93159	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93160	1.327	1.445	1.346	1.317	1.311	1.264	1.302	1.136	1.336	1.308
C93161	1.352	1.293	SPILLED	1.183	1.368	1.212	1.227	1.117	1.113	1.087
C93162	SPILLED	SPILLED	1.266	1.030	1.211	SPILLED	SPILLED	SPILLED	1.162	1.196
C93163	1.269	1.293	1.269	1.245	1.223	1.200	1.573	1.375	1.088	1.068
C93164	1.332	1.372	1.325	1.234	1.328	1.375	1.262	1.247	1.175	1.164
C93165	1.233	1.313	1.221	1.283	1.256	1.235	1.195	1.120	1.081	1.092
C93166	1.214	1.282	1.163	1.087	1.255	1.100	1.195	1.179	SPILLED	0.977
C93167	1.285	1.276	1.233	1.252	1.224	1.214	1.121	1.118	1.030	0.946
C93168	1.257	SPILLED	1.340	1.383	1.343	1.414	SPILLED	1.078	1.141	1.149
C93169	1.408	1.380	1.310	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93170	SPILLED	1.834	1.326	SPILLED	1.714	1.516	SPILLED	SPILLED	1.992	1.671
C93171	SPILLED	SPILLED	1.218	SPILLED	1.400	1.222	1.143	1.087	1.117	1.151
C93172	1.289	1.314	1.389	SPILLED	1.257	1.245	1.278	1.324	1.218	1.067
C93173	1.309	1.288	SPILLED	1.173	1.228	1.227	1.156	1.352	1.133	0.998
C93174	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED
C93175	1.294	1.417	1.233	1.281	1.248	1.243	1.235	1.183	1.064	1.104
C93176	1.294	1.304	1.281	1.271	1.201	1.237	1.275	1.182	1.104	1.028
C93177	SPILLED	SPILLED	1.315	1.256	1.336	1.301	SPILLED	1.573	1.191	1.146

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: FEMALE 5 - 20 PPM										
C93178	1.304	1.306	1.347	1.161	1.412	1.309	1.344	1.162	1.096	1.031
C93179	1.485	1.506	1.571	1.274	1.328	1.517	1.352	1.172	1.219	1.221
C93180	1.218	1.288	1.285	1.309	1.400	1.280	1.372	1.203	1.115	1.094
GROUP: FEMALE 6 - 20 PPM										
C93181	1.431	1.412	1.467	1.347	1.346	1.308	1.423	1.284	1.221	1.181
C93182	1.220	1.254	1.355	1.236	1.253	1.143	1.318	1.105	1.056	1.076
C93183	1.248	1.250	1.264	1.210	1.261	1.159	1.187	1.095	1.046	0.939
C93184	1.383	1.365	1.345	1.331	1.361	1.372	1.415	1.374	1.268	1.202
C93185	1.339	1.509	SPILLED	1.416	1.322	1.459	1.379	1.373	0.656	1.350
C93186	1.359	1.322	1.336	1.501	1.366	1.379	1.485	1.225	1.128	1.295
C93187	1.469	1.354	1.362	1.309	1.383	SPILLED	1.543	1.271	1.154	1.032
C93188	1.293	1.271	1.311	1.222	1.227	1.343	1.347	1.248	1.197	1.085
C93189	1.443	1.393	1.355	1.556	1.304	1.417	1.416	1.275	1.191	1.252
C93190	1.396	1.399	1.293	1.322	1.338	1.255	1.270	1.215	1.186	1.243
C93191	1.165	1.172	1.168	1.183	1.156	1.206	1.231	1.178	1.067	1.131
C93192	1.471	1.492	1.358	1.321	1.388	1.385	SPILLED	1.201	1.214	1.241
C93193	1.392	1.384	1.379	1.429	1.302	1.376	1.409	1.339	1.142	1.110
C93194	1.523	1.556	1.536	SPILLED	1.447	1.612	SPILLED	1.051	1.072	1.131
C93195	1.257	1.229	1.224	1.197	1.196	1.141	SPILLED	1.102	1.138	1.103
C93196	1.488	1.366	1.429	1.510	1.411	1.417	1.376	1.380	1.184	1.206
C93197	1.317	1.438	1.316	1.347	1.322	1.213	SPILLED	SPILLED	1.088	1.159
C93198	1.294	1.453	1.415	1.313	1.286	1.277	1.328	1.151	1.105	1.151
C93199	1.324	1.320	1.292	1.186	1.199	1.201	1.236	1.124	1.094	1.114
C93200	SPILLED	SPILLED	SPILLED	SPILLED	2.005	SPILLED	1.592	1.381	1.189	1.194
C93201	1.338	1.629	1.497	1.364	1.417	SPILLED	SPILLED	SPILLED	1.790	1.665
C93202	1.257	1.324	SPILLED	SPILLED	1.202	1.669	1.272	1.133	1.058	1.074
C93203	1.325	1.321	1.204	1.403	1.490	1.324	1.528	1.213	1.212	1.126
C93204	1.451	1.384	1.395	1.415	1.328	1.324	1.322	1.200	1.156	1.147
C93205	1.672	1.297	1.249	1.286	1.319	1.177	1.239	1.084	1.029	1.049

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 11	WEEK 12	WEEK 13	WEEK 14	WEEK 15	WEEK 16	WEEK 20	WEEK 24	WEEK 28	WEEK 32
GROUP: FEMALE 6 - 20 PPM										
C93206	1.571	SPILLED	1.345	SPILLED	1.461	SPILLED	SPILLED	SPILLED	1.285	1.221
C93207	1.468	1.597	1.458	1.307	1.313	1.290	1.361	1.194	1.190	1.257
C93208	1.440	1.342	1.174	1.228	1.229	1.186	1.179	1.058	1.095	1.033
C93209	SPILLED	SPILLED	SPILLED	SPILLED	1.308	SPILLED	SPILLED	SPILLED	1.702	1.795
C93210	1.306	1.341	1.439	1.272	1.207	1.320	SPILLED	1.224	1.204	1.170
C93211	1.324	1.374	1.297	1.342	1.222	1.302	1.323	1.138	1.119	1.112
C93212	1.600	1.381	1.220	1.266	1.343	1.325	1.338	1.113	1.083	1.150
C93213	1.423	1.232	1.353	1.266	1.143	1.124	SPILLED	SPILLED	1.015	1.022
C93214	1.423	1.365	1.323	1.364	1.309	1.331	1.350	1.262	1.187	1.132
C93215	1.291	1.284	1.213	1.224	1.200	1.155	1.279	1.116	1.040	0.995
C93216	1.289	1.236	1.210	1.158	1.232	1.124	1.258	1.202	1.158	1.163
C93217	1.399	SPILLED	SPILLED	SPILLED	SPILLED	1.328	SPILLED	SPILLED	1.098	1.104
C93218	1.666	1.621	1.614	SPILLED	1.549	1.466	SPILLED	SPILLED	1.342	1.106
C93219	1.298	1.028	1.433	1.191	1.135	1.148	1.254	1.090	1.027	1.150
C93220	1.566	SPILLED	1.804	SPILLED	1.718	SPILLED	SPILLED	SPILLED	1.072	1.127

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

GROUP: MALE 2 - 0.5 PPM

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
C92571	0.019	0.019	0.018	0.018	0.017	0.017	0.017	0.016	0.017	0.014
C92572	0.020	0.020	0.018	0.018	0.016	0.019	0.019	SPILLED	0.018	0.017
C92573	0.016	0.014	0.017	0.017	0.015	0.016	0.015	0.015	0.010	0.016
C92574	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92575	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92576	0.019	0.018	0.017	0.017	0.017	0.018	0.017	0.017	0.017	0.016
C92577	0.018	0.016	0.016	0.015	0.016	0.016	0.016	0.015	0.015	0.015
C92578	0.018	0.018	0.017	0.017	0.016	0.017	0.017	0.016	0.016	0.016
C92579	0.018	0.017	0.017	0.016	0.017	0.017	0.018	0.017	0.016	0.014
C92580	0.018	0.018	0.019	0.018	0.017	0.018	0.018	0.017	0.019	0.013
C92581	0.018	0.017	0.017	0.017	0.017	0.018	0.018	0.017	0.018	0.018
C92582	0.019	0.018	0.019	0.020	0.018	0.018	0.019	0.018	SPILLED	0.017
C92583	0.019	0.019	0.019	0.018	0.018	0.018	0.018	0.018	0.017	0.018
C92584	0.023	0.021	0.024	0.024	SPILLED	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92585	0.004	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92586	0.019	0.018	0.017	0.016	0.015	0.016	0.015	0.016	0.005	0.000
C92587	0.019	0.017	0.018	0.017	0.016	0.018	0.018	0.017	0.018	0.017
C92588	0.019	0.018	0.019	0.018	0.017	0.019	0.019	0.019	0.019	0.018
C92589	0.018	0.018	0.018	0.017	0.017	0.018	0.018	0.017	0.018	0.017
C92590	0.018	0.018	0.018	0.017	0.017	0.017	0.017	0.017	0.018	0.017
C92591	0.018	0.018	0.017	0.018	0.017	0.017	0.016	0.017	0.017	0.016
C92592	0.018	0.017	0.018	0.016	0.016	0.018	0.017	0.016	0.017	0.016
C92593	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92594	0.020	0.019	0.019	0.019	0.018	0.019	0.020	0.018	0.020	0.018
C92595	0.019	0.018	0.018	0.017	0.018	0.017	0.017	0.018	0.016	0.017
C92596	0.019	0.018	0.019	0.019	0.018	0.018	0.018	0.017	0.005	NOT TAKEN
C92597	0.021	0.022	0.022	0.022	0.020	0.020	0.019	0.018	0.019	0.019
C92598	0.020	0.020	0.020	0.019	0.018	0.018	0.018	0.017	0.017	0.017
C92599	0.020	0.020	0.020	0.018	0.017	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92600	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92601	0.020	0.019	0.019	0.018	0.018	0.018	0.017	0.017	0.018	0.017

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

GROUP: MALE 2 - 0.5 PPM

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
C92602	0.022	0.020	0.021	0.021	0.021	0.021	0.023	0.023	0.024	0.023
C92603	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92604	0.018	0.018	0.017	0.017	0.017	0.017	0.017	0.016	0.015	0.012
C92605	0.017	0.017	0.015	0.015	0.015	0.017	0.016	0.016	0.015	0.016
C92606	0.019	0.019	0.018	0.017	0.017	0.019	0.018	0.018	0.018	0.019
C92607	0.021	0.021	0.019	0.019	0.017	0.019	0.021	0.019	0.019	0.019
C92608	0.016	0.019	0.017	0.019	0.019	0.018	0.017	0.016	0.017	0.009
C92609	0.020	0.020	0.020	0.018	0.018	0.019	0.018	0.018	0.018	0.018
C92610	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92611	0.018	0.018	0.017	0.018	0.018	0.018	0.017	0.018	0.018	0.017
C92612	0.019	0.017	0.017	0.016	0.016	0.017	0.016	0.016	0.015	0.013
C92613	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92614	SPILLED	SPILLED	0.025	0.024	SPILLED	SPILLED	0.026	SPILLED	SPILLED	SPILLED
C92615	0.018	0.018	0.016	0.017	0.016	0.016	0.016	0.014	0.016	0.015
C92616	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92617	0.018	0.018	0.017	0.016	0.016	0.019	0.020	0.019	0.022	0.021
C92618	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92619	0.018	0.019	0.020	0.020	0.018	SPILLED	0.019	0.019	0.020	0.019
C92620	0.020	0.020	0.019	0.020	0.021	0.020	0.019	0.020	0.021	0.019
C92621	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92622	0.019	0.017	0.017	0.017	0.016	0.017	0.017	0.017	0.017	0.016
C92623	0.018	0.017	0.016	0.017	0.017	0.017	0.016	0.017	0.017	0.016
C92624	0.019	0.019	0.017	0.018	0.018	0.018	0.019	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92625	0.018	0.017	0.017	0.017	0.015	0.017	0.017	0.016	0.016	0.016
C92626	0.016	0.021	0.018	0.020	0.020	0.017	0.017	0.020	0.021	0.014
C92627	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92628	0.022	SPILLED	0.023	0.023	0.012	SPILLED	0.006	SPILLED	0.015	0.016
C92629	0.019	0.018	0.018	0.017	0.016	0.017	0.017	0.016	0.015	0.012
C92630	0.021	0.021	0.020	0.020	0.019	0.020	0.019	0.020	0.019	0.020

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: MALE 3 - 2 PPM										
C92631	0.081	0.078	0.077	0.075	0.071	0.075	0.073	0.073	0.075	0.074
C92632	0.071	0.065	0.064	0.065	0.063	0.064	0.057	0.052	0.066	0.076
C92633	0.072	0.077	0.068	0.070	0.064	0.068	0.069	0.068	0.070	0.065
C92634	0.077	0.075	0.077	0.074	0.071	0.078	0.075	0.071	0.070	0.071
C92635	0.077	0.075	0.074	0.069	0.071	0.073	0.073	0.064	0.073	0.067
C92636	0.072	0.071	0.075	0.078	0.081	0.082	SPILLED	SPILLED	SPILLED	SPILLED
C92637	0.085	0.084	0.079	0.080	0.078	0.076	0.081	0.077	0.079	0.073
C92638	0.070	0.070	0.064	0.068	0.064	0.063	0.066	0.063	0.065	0.064
C92639	0.073	0.072	0.071	0.069	0.067	0.070	0.072	0.070	0.066	0.054
C92640	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92641	0.075	0.084	0.076	0.075	0.084	0.073	0.047	0.073	0.081	0.067
C92642	0.066	0.064	0.064	0.065	0.066	0.065	0.066	0.060	0.065	0.079
C92643	0.082	0.081	0.080	0.086	0.083	SPILLED	0.090	SPILLED	SPILLED	0.092
C92644	0.083	0.081	0.077	0.079	0.077	0.081	0.081	0.077	0.077	0.078
C92645	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92646	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92647	0.072	0.074	0.073	0.070	0.067	0.071	0.068	0.070	0.071	0.072
C92648	0.078	0.075	0.076	0.070	0.069	0.075	0.072	0.072	0.069	0.067
C92649	0.097	0.090	0.093	SPILLED	0.087	0.100	0.089	0.078	0.091	0.086
C92650	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92651	0.075	0.074	0.074	0.075	0.077	0.077	0.078	0.067	0.066	0.061
C92652	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92653	0.073	0.071	0.070	0.064	0.069	0.062	0.074	0.051	0.070	0.068
C92654	0.079	0.077	0.073	0.070	0.072	0.077	0.080	0.086	0.075	0.073
C92655	0.077	0.082	0.076	0.075	0.075	SPILLED	0.073	0.070	0.078	0.075
C92656	0.069	0.069	0.067	0.063	0.064	0.068	0.066	0.067	0.066	0.064
C92657	0.077	0.072	0.072	0.070	0.071	0.075	0.070	0.072	0.072	0.071
C92658	0.075	0.073	0.073	0.071	0.067	0.073	0.075	0.069	0.070	0.067
C92659	0.076	0.077	0.079	0.076	0.077	0.081	0.081	0.079	0.077	0.082
C92660	0.099	SPILLED	0.099	0.103	SPILLED	SPILLED	SPILLED	0.098	0.090	0.082
C92661	0.067	0.076	0.074	0.072	0.073	0.074	0.075	0.081	0.078	0.077

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: MALE 3 - 2 PPM										
C92662	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92663	0.075	0.072	0.071	0.070	0.069	0.070	TECH SPILL	SPILLED	0.072	0.066
C92664	0.076	0.076	0.075	0.074	0.070	0.074	0.074	0.073	0.077	0.066
C92665	0.071	0.070	0.071	0.065	0.064	0.067	0.069	SPILLED	0.069	0.068
C92666	0.090	0.085	0.076	0.072	0.071	0.071	0.073	0.068	0.046	0.049
C92667	0.074	0.075	0.070	0.068	0.064	0.070	0.068	0.067	0.069	0.065
C92668	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92669	0.076	0.076	0.071	0.074	0.068	0.072	0.071	0.071	0.068	0.072
C92670	0.081	0.079	0.077	0.075	0.074	0.081	0.088	0.106	0.111	0.100
C92671	0.081	0.079	0.077	0.076	0.074	0.083	0.076	0.069	0.077	0.072
C92672	0.069	0.073	0.066	0.065	0.065	0.067	0.068	0.068	0.066	0.070
C92673	0.070	0.070	0.072	0.064	0.064	0.072	0.073	0.071	0.070	0.066
C92674	0.067	0.070	0.067	0.063	0.068	0.067	0.067	0.065	0.067	0.065
C92675	0.085	0.085	0.080	0.079	0.077	0.081	0.076	0.077	0.075	0.074
C92676	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92677	0.083	0.082	0.077	0.079	0.076	0.080	0.083	0.078	0.082	0.073
C92678	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92679	0.079	0.078	0.078	0.081	0.070	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92680	0.070	0.073	0.069	0.070	0.067	0.074	0.070	0.068	0.042	0.052
C92681	0.075	0.078	0.075	0.070	0.071	0.075	0.072	0.071	0.069	0.066
C92682	0.074	0.074	0.071	0.070	0.068	0.070	0.071	0.067	0.068	0.066
C92683	0.073	0.073	0.070	0.068	0.067	0.062	0.067	0.074	0.070	0.065
C92684	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92685	0.069	0.070	0.066	0.067	0.063	0.070	0.070	0.068	0.065	0.045
C92686	0.077	0.078	0.073	0.074	0.070	0.077	0.078	0.077	0.072	0.072
C92687	0.060	0.080	0.067	0.058	0.066	0.064	0.066	0.049	0.024	NOT TAKEN
C92688	0.095	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	0.087	0.080	0.077	SPILLED
C92689	0.071	0.079	0.074	0.070	0.064	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92690	0.071	0.071	0.068	0.072	0.070	0.072	0.069	0.069	0.066	0.065

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

GROUP: MALE 4 - 5 PPM

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
C92691	0.189	0.183	0.181	0.181	0.170	0.170	0.189	0.170	0.172	0.165
C92692	0.172	0.178	0.142	0.156	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92693	0.185	0.171	0.182	0.177	0.171	0.173	0.176	0.172	0.167	0.161
C92694	0.181	0.177	0.167	0.163	0.160	0.165	0.171	0.161	0.166	0.161
C92695	0.199	0.197	0.182	0.181	0.178	0.170	0.196	0.187	0.182	0.182
C92696	0.219	0.206	0.195	0.198	0.194	0.197	0.196	0.196	0.177	0.190
C92697	0.215	0.199	0.203	0.196	0.185	0.192	0.187	0.121	NOT TAKEN	NOT TAKEN
C92698	0.173	0.177	0.173	0.171	0.167	0.165	0.160	0.168	0.164	0.156
C92699	0.209	0.198	0.205	0.195	0.201	0.207	0.227	0.199	0.198	0.209
C92700	0.268	0.246	0.239	0.219	0.217	0.226	SPILLED	SPILLED	0.220	0.209
C92701	0.181	0.183	0.181	0.159	0.043	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92702	0.197	0.198	0.190	0.184	0.185	0.189	0.206	0.197	0.194	0.195
C92703	0.199	0.203	0.174	0.181	0.180	0.186	0.066	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92704	0.173	0.170	0.163	0.167	0.162	0.167	0.168	0.155	0.161	0.169
C92705	0.195	0.202	0.194	0.185	0.180	0.172	0.180	0.169	0.172	0.167
C92706	0.166	0.176	0.175	0.169	0.161	0.166	0.183	0.151	0.167	0.173
C92707	0.186	0.190	0.190	0.184	0.181	0.183	0.203	0.180	0.186	0.180
C92708	0.194	0.193	0.195	0.185	0.180	0.169	0.172	0.174	0.189	0.174
C92709	0.182	0.206	0.198	0.196	0.173	0.179	0.197	0.182	0.181	0.180
C92710	0.195	0.198	0.197	0.189	0.183	0.197	0.191	0.183	0.183	NOT TAKEN
C92711	0.181	0.180	0.179	0.176	0.164	0.172	0.170	0.172	0.170	0.157
C92712	0.190	0.202	0.200	0.184	0.181	0.201	0.200	0.174	SPILLED	0.189
C92713	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92714	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92715	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92716	0.180	0.275	SPILLED	0.232	SPILLED	SPILLED	SPILLED	0.151	0.524	SPILLED
C92717	0.193	0.194	0.192	0.185	0.185	0.187	0.190	0.188	0.191	0.198
C92718	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92719	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92720	0.199	0.203	0.191	0.184	0.171	0.180	0.167	0.176	0.172	0.174
C92721	0.195	0.210	0.229	0.229	0.200	0.206	0.222	0.213	0.208	0.202

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

GROUP: MALE 4 - 5 PPM

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
C92722	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92723	0.220	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	0.227	0.179	0.208	0.210
C92724	0.203	0.196	0.207	0.189	0.176	0.169	0.184	0.170	0.176	0.166
C92725	0.193	0.187	0.176	0.166	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92726	0.212	0.209	0.204	0.198	0.197	0.193	0.181	0.181	0.186	0.193
C92727	0.188	0.195	0.182	0.189	0.170	0.184	0.184	0.169	0.167	0.167
C92728	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92729	0.190	0.183	0.180	0.172	0.168	0.181	0.161	0.148	0.126	0.124
C92730	0.189	0.181	0.184	0.183	0.170	0.176	0.183	0.182	0.171	0.176
C92731	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92732	0.198	0.190	0.183	0.175	0.170	0.172	0.188	0.170	0.168	0.170
C92733	0.238	0.236	0.212	0.217	0.213	0.218	0.217	0.205	0.213	0.209
C92734	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92735	0.191	0.192	0.191	0.183	0.177	0.187	0.192	0.179	0.171	0.178
C92736	0.183	0.184	0.180	0.177	0.162	0.171	0.183	0.168	0.165	0.153
C92737	0.180	0.189	0.179	0.180	0.172	0.170	0.184	0.172	0.171	0.167
C92738	0.220	0.201	0.191	0.189	0.180	0.193	0.181	0.182	0.187	0.188
C92739	0.214	0.225	0.208	0.208	0.198	0.211	0.203	0.192	0.197	0.195
C92740	0.175	0.185	0.183	0.178	0.180	0.179	0.175	0.168	0.176	0.181
C92741	0.269	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	0.170
C92742	0.167	0.168	0.169	0.163	0.156	0.159	0.164	0.160	0.163	0.152
C92743	0.185	0.178	0.177	0.167	0.161	0.175	0.161	0.140	0.156	0.163
C92744	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92745	0.192	0.174	0.173	0.160	0.160	0.163	0.164	0.152	0.156	0.149
C92746	0.173	0.185	0.170	0.175	0.168	0.179	0.172	0.168	0.181	0.173
C92747	0.185	0.202	0.188	0.183	0.178	0.190	0.185	0.176	0.171	0.170
C92748	0.211	0.224	0.223	SPILLED	SPILLED	0.213	0.210	SPILLED	SPILLED	0.141
C92749	0.190	0.202	0.194	0.178	0.173	0.176	0.173	0.169	0.179	0.169
C92750	0.194	0.184	0.177	0.182	0.167	0.182	0.173	0.170	0.169	0.165

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

GROUP: MALE 5 - 20 PPM

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
C92751	0.642	0.708	0.733	0.666	0.626	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92752	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92753	0.878	0.893	0.892	0.622	0.852	0.822	0.816	0.846	0.826	0.825
C92754	0.827	0.834	0.815	0.825	0.795	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92755	0.733	0.752	0.732	0.729	0.691	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92756	0.829	0.859	0.806	0.810	0.759	0.749	0.745	0.681	0.661	0.719
C92757	0.880	SPILLED	SPILLED	0.949	SPILLED	0.954	SPILLED	SPILLED	0.948	0.854
C92758	0.741	0.755	0.705	0.638	0.549	0.524	0.586	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92759	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92760	0.841	0.845	0.838	0.812	0.771	0.766	0.795	0.733	0.524	0.345
C92761	0.967	0.938	0.921	0.903	0.848	0.859	0.850	0.861	0.954	0.882
C92762	0.878	0.831	0.809	0.803	0.772	0.741	0.731	0.745	0.688	0.716
C92763	0.725	0.690	0.666	0.651	0.614	0.640	0.626	0.563	0.633	0.600
C92764	0.901	0.943	0.904	SPILLED	0.850	0.843	0.864	0.782	0.666	0.392
C92765	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92766	0.848	0.800	0.798	0.726	0.710	0.813	0.887	0.788	0.846	0.789
C92767	0.804	0.744	SPILLED	SPILLED	0.604	0.636	SPILLED	0.695	SPILLED	0.630
C92768	0.819	0.810	0.759	0.758	0.759	0.769	0.755	0.702	0.707	0.695
C92769	0.820	0.833	0.807	0.800	0.745	0.844	0.775	0.714	0.749	0.740
C92770	0.774	0.785	0.740	0.728	0.633	0.733	0.717	0.649	0.651	0.633
C92771	0.740	0.757	0.690	0.640	0.675	0.710	0.752	0.660	0.659	0.634
C92772	0.900	0.832	0.845	0.784	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92773	0.959	0.928	0.886	0.892	0.852	0.840	0.861	0.861	0.915	0.854
C92774	0.746	0.751	0.680	0.680	0.699	0.706	0.698	0.649	0.692	0.649
C92775	0.809	0.808	0.581	0.781	0.750	0.683	0.761	0.750	0.744	0.694
C92776	0.766	0.782	0.767	0.737	0.715	0.775	0.770	0.630	0.754	0.708
C92777	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92778	0.769	0.703	0.740	0.700	0.533	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92779	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92780	0.993	1.001	0.970	0.947	0.941	0.871	0.962	0.938	1.016	0.951
C92781	0.780	0.779	0.793	0.748	0.717	0.743	0.732	0.774	0.806	0.116

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: MALE 5 - 20 PPM										
C92782	0.784	0.756	0.726	0.719	0.680	0.702	0.745	0.687	0.679	0.643
C92783	0.738	0.724	0.721	0.677	0.662	0.713	0.706	0.646	0.677	0.596
C92784	0.839	0.811	0.781	0.784	0.723	0.782	0.733	0.786	0.763	0.806
C92785	0.823	0.801	0.803	0.770	0.744	0.789	0.801	0.732	0.774	0.758
C92786	0.815	0.788	0.761	0.761	0.710	0.786	0.767	0.744	0.782	0.720
C92787	0.985	1.064	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92788	0.833	0.819	0.781	0.768	0.693	0.723	0.797	0.729	0.678	0.698
C92789	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92790	0.769	0.788	0.741	0.744	0.738	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92791	0.898	0.850	0.846	0.813	0.736	0.754	0.791	0.727	0.744	0.704
C92792	0.749	0.757	0.802	0.756	0.712	0.776	0.750	0.749	0.765	0.777
C92793	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92794	0.797	0.755	0.762	0.733	0.698	0.290	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92795	0.789	0.804	0.764	0.744	0.617	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92796	0.850	0.860	0.850	0.840	0.677	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92797	0.895	0.855	0.864	0.762	0.783	0.798	0.841	0.792	0.825	0.777
C92798	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92799	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92800	0.797	0.745	0.819	0.744	0.734	0.717	0.790	0.775	0.799	0.803
C92801	0.760	0.719	0.676	0.681	0.580	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92802	0.830	0.797	0.850	0.773	0.724	0.786	0.774	0.721	0.740	0.701
C92803	0.821	0.790	0.836	0.771	0.763	0.768	0.796	0.754	0.757	0.727
C92804	0.823	0.813	0.803	0.782	0.717	0.711	0.784	0.739	0.744	0.689
C92805	0.669	0.705	0.739	0.694	0.647	0.694	0.765	0.646	0.408	NOT TAKEN
C92806	0.662	0.747	0.800	0.696	0.695	0.739	0.838	0.816	0.784	0.743
C92807	0.739	0.695	0.747	0.718	0.637	0.717	0.731	0.661	0.679	0.669
C92808	0.839	0.783	0.800	0.780	0.771	0.794	0.818	0.799	0.788	0.741
C92809	0.806	0.805	0.781	0.776	0.724	0.737	0.777	0.738	0.722	0.729
C92810	0.795	0.787	0.777	0.762	0.708	0.736	0.799	0.734	0.782	0.758
C92811	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92812	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: MALE 5 - 20 PPM										
C92813	0.847	0.885	0.850	0.817	0.763	0.793	0.793	0.805	0.813	0.769
C92814	0.834	0.772	0.815	0.788	0.773	0.808	0.794	0.746	0.730	0.753
C92815	SPILLED	1.137	SPILLED	SPILLED	SPILLED	SPILLED	1.058	TECH SPILL	1.027	0.965
C92816	0.707	0.748	0.739	0.716	0.681	0.747	0.746	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92817	0.742	0.733	0.748	0.706	0.500	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92818	0.824	0.804	0.801	0.815	0.737	0.815	0.794	0.753	0.797	0.759
C92819	0.844	0.823	0.863	0.830	0.779	0.820	0.801	0.768	0.777	0.748
C92820	1.133	1.034	0.720	1.054	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
GROUP: MALE 6 - 20 PPM										
C92821	0.831	0.803	0.734	0.759	0.733	0.000	0.000	0.000	0.000	0.000
C92822	0.737	0.731	0.729	0.732	0.710	0.000	SPILLED	0.000	0.000	0.000
C92823	0.834	0.816	0.832	0.837	0.773	0.000	0.000	0.000	SPILLED	0.000
C92824	0.867	0.750	0.810	0.787	0.777	0.000	0.000	0.000	0.000	0.000
C92825	0.817	0.793	0.786	SPILLED	SPILLED	0.000	0.000	SPILLED	SPILLED	0.000
C92826	0.862	0.835	0.840	0.849	0.779	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92827	0.873	0.819	0.844	0.807	0.704	0.000	0.000	0.000	0.000	0.000
C92828	0.801	0.835	0.835	0.845	0.787	0.000	0.000	0.000	0.000	0.000
C92829	0.814	0.734	0.861	0.777	SPILLED	0.000	0.000	0.000	SPILLED	0.000
C92830	0.819	0.913	0.915	0.905	0.679	0.000	0.000	0.000	SPILLED	0.000
C92831	0.737	0.735	0.759	0.744	0.732	0.000	0.000	0.000	0.000	0.000
C92832	0.793	0.801	0.789	0.786	0.741	0.000	0.000	0.000	0.000	NOT TAKEN
C92833	0.744	0.752	0.730	0.739	0.644	0.000	0.000	0.000	0.000	0.000
C92834	0.826	0.830	0.835	0.815	0.795	0.000	0.000	0.000	0.000	0.000
C92835	0.778	0.780	0.780	0.756	0.680	0.000	0.000	0.000	0.000	0.000
C92836	0.761	0.822	0.780	0.730	0.710	0.000	SPILLED	0.000	0.000	0.000
C92837	0.784	0.792	0.824	0.802	0.746	0.000	0.000	0.000	NOT TAKEN	NOT TAKEN
C92838	0.835	0.808	0.820	0.779	0.711	0.000	0.000	0.000	NOT TAKEN	NOT TAKEN
C92839	0.813	0.771	0.735	SPILLED	0.643	SPILLED	0.000	0.000	SPILLED	0.000
C92840	0.775	0.790	0.765	0.759	0.708	0.000	0.000	0.000	0.000	0.000

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: MALE 6 - 20 PPM										
C92841	0.805	0.743	0.791	0.725	0.693	0.000	0.000	0.000	NOT TAKEN	NOT TAKEN
C92842	0.775	0.752	0.763	0.736	0.656	0.000	0.000	0.000	0.000	0.000
C92843	0.783	0.763	0.756	0.713	0.667	SPILLED	0.000	0.000	0.000	0.000
C92844	0.818	0.746	0.848	0.837	0.816	0.000	0.000	0.000	0.000	0.000
C92845	0.872	0.902	0.889	0.850	0.803	0.000	0.000	0.000	0.000	0.000
C92846	0.820	0.707	0.809	0.778	0.711	0.000	0.000	0.000	0.000	0.000
C92847	0.793	0.754	0.733	0.729	0.698	0.000	0.000	0.000	0.000	0.000
C92848	0.817	0.820	0.869	0.820	0.739	0.000	0.000	0.000	0.000	0.000
C92849	0.919	0.858	0.858	0.780	0.836	0.000	0.000	0.000	0.000	NOT TAKEN
C92850	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	0.000	SPILLED	0.000	0.000
C92851	0.801	0.808	0.793	0.748	0.737	0.000	0.000	0.000	0.000	0.000
C92852	0.903	0.889	0.880	0.852	0.757	0.000	0.000	0.000	NOT TAKEN	NOT TAKEN
C92853	0.788	0.835	0.756	0.754	0.689	0.000	0.000	0.000	0.000	0.000
C92854	0.753	0.761	0.785	0.719	0.691	0.000	0.000	0.000	0.000	0.000
C92855	0.744	0.822	0.826	0.708	0.823	0.000	0.000	SPILLED	0.000	NOT TAKEN
C92856	0.835	0.862	0.844	0.836	0.778	0.000	0.000	0.000	0.000	0.000
C92857	0.743	0.715	0.658	0.718	0.685	SPILLED	0.000	SPILLED	SPILLED	0.000
C92858	0.712	0.706	0.711	0.733	0.678	0.000	0.000	0.000	0.000	0.000
C92859	0.792	0.816	0.825	0.805	0.759	0.000	0.000	0.000	0.000	NOT TAKEN
C92860	0.823	0.790	0.831	0.806	0.807	0.000	0.000	0.000	0.000	0.000
GROUP: FEMALE 2 - 0.5 PPM										
C92931	0.021	0.022	0.018	0.018	0.019	0.019	0.020	0.018	0.015	NOT TAKEN
C92932	0.017	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92933	0.023	0.022	SPILLED	0.020	0.021	0.021	0.023	0.019	0.022	0.018
C92934	0.026	0.027	0.024	0.023	0.024	0.025	0.022	0.015	0.023	0.022
C92935	0.020	0.022	0.020	0.019	0.019	0.019	0.020	0.020	0.020	0.019
C92936	0.024	0.022	0.022	0.021	0.022	0.024	0.021	0.023	0.024	0.023
C92937	0.030	0.028	0.026	0.025	0.026	0.013	0.022	0.017	NOT TAKEN	NOT TAKEN
C92938	0.026	0.022	0.023	0.022	0.022	0.021	0.020	0.021	0.019	0.017

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: FEMALE 2 - 0.5 PPM										
C92939	0.030	0.029	0.026	0.024	0.025	0.025	0.024	0.028	0.026	NOT TAKEN
C92940	0.027	0.029	0.027	0.026	0.026	0.026	0.021	0.024	0.026	SPILLED
C92941	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92942	0.030	0.028	SPILLED	0.029	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92943	0.025	0.024	0.021	0.021	0.021	0.023	0.019	0.022	0.023	0.021
C92944	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92945	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92946	0.026	0.024	0.022	0.019	0.018	0.017	0.018	0.022	0.021	0.020
C92947	0.025	0.023	0.025	0.020	0.022	0.022	0.024	0.022	0.023	0.021
C92948	0.025	0.024	0.022	0.020	0.022	0.023	0.018	0.019	0.020	0.017
C92949	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92950	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92951	0.030	0.030	0.026	0.024	0.025	0.045	0.024	0.030	0.023	0.025
C92952	0.027	SPILLED	0.022	0.022	0.021	0.022	0.021	TECH SPILL	NOT TAKEN	NOT TAKEN
C92953	0.024	0.028	0.023	0.024	0.021	0.021	0.022	0.022	0.022	0.021
C92954	0.030	0.030	0.029	0.028	0.024	0.027	0.028	0.029	0.025	0.025
C92955	0.023	0.021	0.019	0.020	0.021	0.022	0.020	0.020	0.020	0.018
C92956	0.023	0.021	0.023	0.020	0.022	0.022	0.019	0.020	0.020	0.019
C92957	0.026	SPILLED	0.027	0.023	0.022	0.026	0.022	0.023	0.022	0.020
C92958	0.028	0.026	0.025	0.024	0.023	0.025	0.021	0.020	0.020	0.020
C92959	0.035	0.029	SPILLED	0.032	SPILLED	0.025	0.010	0.024	0.022	0.022
C92960	0.033	0.024	0.027	0.024	0.024	0.022	0.021	0.023	0.021	0.018
C92961	0.022	0.020	0.021	0.018	0.020	0.021	0.019	0.019	0.019	0.018
C92962	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92963	0.029	0.026	0.029	0.024	0.026	0.023	0.026	0.022	0.024	0.019
C92964	0.025	SPILLED	0.025	0.023	0.022	0.023	0.022	SPILLED	0.023	0.022
C92965	0.029	0.031	0.028	0.028	0.029	0.027	0.025	0.021	0.021	0.021
C92966	0.027	0.026	0.026	0.023	0.024	0.025	0.025	0.027	0.016	NOT TAKEN
C92967	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92968	0.025	0.022	0.012	0.019	0.021	0.017	0.025	0.022	NOT TAKEN	NOT TAKEN
C92969	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: FEMALE 2 - 0.5 PPM										
C92970	0.021	0.022	0.020	0.020	0.020	0.020	0.019	0.020	0.019	0.017
C92971	0.027	0.028	0.025	0.024	0.025	0.027	0.024	0.025	0.026	0.021
C92972	0.026	0.026	0.023	0.025	0.025	0.025	0.020	0.023	0.022	0.023
C92973	0.028	0.027	0.026	0.023	0.022	0.020	0.023	0.020	0.023	0.021
C92974	0.026	0.026	0.023	0.024	0.023	0.024	0.022	0.023	0.021	0.022
C92975	0.027	0.028	0.027	0.024	0.025	0.025	0.024	0.026	0.028	0.025
C92976	0.026	0.026	0.024	0.019	0.024	0.022	0.016	0.019	0.024	0.023
C92977	0.028	0.028	0.023	0.025	0.024	0.024	0.022	0.020	0.023	0.023
C92978	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92979	0.024	0.023	0.019	0.020	0.017	0.022	0.021	0.020	0.020	0.018
C92980	0.025	0.023	0.024	0.021	0.022	0.019	0.022	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92981	0.023	0.024	0.022	0.021	0.021	0.022	0.022	0.022	0.015	NOT TAKEN
C92982	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92983	0.024	0.025	0.022	0.022	0.018	0.023	0.021	0.022	0.022	0.022
C92984	0.023	0.024	0.024	0.022	0.022	0.021	0.018	0.023	0.019	0.023
C92985	0.022	0.026	0.022	0.020	0.017	0.022	0.019	0.021	0.025	0.021
C92986	0.026	0.026	0.025	0.023	0.022	0.024	0.022	0.026	0.022	0.022
C92987	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92988	0.026	0.027	0.024	0.024	0.022	0.020	0.021	0.021	0.021	0.019
C92989	0.029	SPILLED	0.029	0.026	SPILLED	0.028	0.026	0.026	0.025	0.021
C92990	0.031	0.030	0.028	0.026	0.017	0.024	0.021	0.023	0.024	0.022
GROUP: FEMALE 3 - 2 PPM										
C92991	0.120	0.113	0.093	0.096	0.098	0.097	0.085	0.095	0.089	0.087
C92992	0.129	0.113	0.101	0.098	0.107	0.091	0.092	0.090	0.094	0.087
C92993	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92994	0.096	0.121	0.081	0.099	0.100	0.095	0.071	0.104	0.097	0.096
C92995	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92996	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92997	0.112	0.112	0.102	0.109	0.107	0.104	0.098	0.101	0.099	0.092

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

GROUP: FEMALE 3 - 2 PPM

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
C92998	0.095	0.035	TECH SPILL	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92999	0.099	0.100	0.095	0.087	0.088	0.088	0.092	0.090	0.100	0.083
C93000	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93001	0.112	0.121	0.097	0.109	0.096	0.094	0.098	0.091	0.094	0.087
C93002	0.110	0.108	0.104	0.107	0.108	0.101	0.109	0.099	0.102	0.091
C93003	0.098	0.108	0.087	0.078	0.095	0.089	0.088	0.088	0.094	0.078
C93004	0.087	0.111	0.094	0.092	0.081	0.086	0.083	0.079	0.058	0.070
C93005	0.122	0.096	0.091	0.097	0.101	0.104	0.094	0.084	0.097	0.090
C93006	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93007	0.101	0.100	0.089	0.090	0.092	0.090	0.085	0.088	0.080	0.073
C93008	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93009	SPILLED	0.106	SPILLED	0.092	0.091	0.092	0.083	0.083	0.081	0.079
C93010	0.118	0.114	0.078	0.084	0.089	0.093	0.083	0.083	0.080	0.083
C93011	0.090	0.088	0.089	0.084	0.081	0.082	0.080	0.077	0.087	0.079
C93012	0.117	0.107	0.103	0.108	0.101	0.104	0.098	0.101	0.089	SPILLED
C93013	0.097	0.106	0.092	0.089	0.091	0.085	0.088	0.084	0.084	0.078
C93014	0.102	0.098	0.091	0.081	0.076	0.076	0.081	0.074	0.048	0.044
C93015	0.108	0.110	0.106	0.098	0.114	0.098	0.104	0.090	0.072	0.108
C93016	0.132	0.123	0.114	0.124	0.107	0.122	0.117	0.072	0.125	SPILLED
C93017	0.104	0.100	0.103	0.106	0.099	0.104	0.103	SPILLED	0.109	0.101
C93018	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93019	0.087	0.084	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93020	0.114	0.117	0.077	0.097	0.081	0.091	0.064	0.026	NOT TAKEN	NOT TAKEN
C93021	0.094	0.102	0.088	0.090	0.082	0.042	0.041	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93022	0.085	0.099	0.083	0.072	0.066	0.083	0.079	0.078	0.078	0.051
C93023	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93024	0.106	0.108	0.106	0.104	0.100	0.092	0.093	0.089	0.092	0.082
C93025	0.105	0.108	0.087	0.099	0.091	0.087	0.089	0.068	0.086	SPILLED
C93026	0.121	0.118	0.105	0.101	0.104	0.099	0.101	0.100	0.074	0.103
C93027	0.104	0.106	0.098	0.105	0.090	0.101	0.087	0.085	0.090	0.085
C93028	0.113	0.117	0.107	0.107	0.109	0.093	0.090	0.103	0.092	0.083

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP:	FEMALE 3 - 2 PPM									
C93029	SPILLED	SPILLED	SPILLED	0.129	SPILLED	0.126	0.130	SPILLED	SPILLED	NOT TAKEN
C93030	0.098	0.091	0.088	0.082	0.082	0.081	0.077	0.077	0.084	0.072
C93031	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93032	0.101	0.105	0.093	0.103	0.094	0.092	0.089	0.085	0.087	0.075
C93033	0.120	0.106	0.126	0.125	0.067	0.131	SPILLED	0.070	NOT TAKEN	NOT TAKEN
C93034	0.104	0.110	0.098	0.103	0.103	0.108	0.103	0.105	0.109	0.095
C93035	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93036	0.092	0.102	0.101	0.097	0.089	0.079	0.087	0.080	0.077	0.076
C93037	0.098	0.108	0.084	0.098	0.094	0.081	0.080	0.053	NOT TAKEN	NOT TAKEN
C93038	0.116	0.121	0.105	0.104	0.109	0.104	0.088	0.078	0.079	NOT TAKEN
C93039	0.098	0.103	0.088	0.083	0.098	0.083	0.083	0.079	0.083	0.080
C93040	0.128	0.125	0.145	0.123	0.113	0.107	0.127	0.126	SPILLED	0.122
C93041	0.104	0.109	0.102	0.105	0.100	0.104	0.097	0.096	0.095	0.090
C93042	0.098	0.095	0.091	0.087	0.078	0.093	0.088	0.087	0.078	0.082
C93043	0.109	0.103	0.112	0.115	0.123	SPILLED	0.108	0.105	SPILLED	SPILLED
C93044	0.121	0.108	0.103	0.100	0.102	0.094	0.042	0.048	NOT TAKEN	NOT TAKEN
C93045	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93046	0.110	0.117	0.109	0.110	0.087	0.104	0.100	0.093	0.087	0.081
C93047	0.087	0.097	0.091	0.078	0.075	0.084	0.074	0.080	0.076	0.076
C93048	CNTMD	0.125	0.105	0.106	0.098	0.118	0.108	0.104	0.104	0.095
C93049	0.103	0.096	0.089	0.101	0.091	0.089	0.093	0.048	0.042	NOT TAKEN
C93050	0.127	0.115	0.108	0.107	0.107	0.102	0.098	0.094	0.094	0.081
GROUP:	FEMALE 4 - 5 PPM									
C93051	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93052	0.237	0.254	0.229	0.225	0.226	0.203	0.181	0.123	0.117	NOT TAKEN
C93053	0.250	0.232	0.213	0.221	0.225	0.229	0.121	0.153	NOT TAKEN	NOT TAKEN
C93054	0.309	0.314	0.275	0.281	0.263	0.248	0.215	0.203	0.259	NOT TAKEN
C93055	0.221	0.258	0.232	0.229	0.221	0.197	0.201	0.201	0.192	0.187
C93056	0.286	0.277	0.266	0.260	0.246	0.251	0.233	0.238	0.248	0.229

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

GROUP: FEMALE 4 - 5 PPM

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
C93057	0.263	0.268	0.223	0.250	0.226	0.227	0.223	0.225	0.244	0.225
C93058	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93059	0.269	0.259	0.235	0.247	0.217	0.225	0.234	0.223	0.213	0.202
C93060	0.239	0.296	0.257	0.267	0.298	0.262	0.251	0.235	0.259	0.180
C93061	0.269	0.254	0.260	0.249	0.249	0.266	0.263	SPILLED	0.272	0.221
C93062	0.291	0.276	0.259	0.259	0.261	0.251	0.248	0.242	0.233	0.225
C93063	0.249	0.242	0.223	0.227	0.206	0.216	0.206	0.201	0.223	0.189
C93064	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93065	0.306	0.291	0.282	0.295	0.282	0.259	0.261	0.268	0.257	0.212
C93066	SPILLED	SPILLED	SPILLED	0.274	SPILLED	0.289	0.222	SPILLED	SPILLED	SPILLED
C93067	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93068	0.270	0.273	0.251	0.262	0.243	0.260	0.228	0.233	0.238	0.242
C93069	0.240	0.255	0.249	0.236	0.245	0.220	0.216	0.214	0.224	0.190
C93070	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93071	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93072	0.253	0.234	0.226	0.242	0.232	0.212	0.202	0.224	0.236	0.226
C93073	0.278	0.296	0.269	SPILLED	0.328	0.286	0.257	0.238	0.266	0.128
C93074	0.216	0.217	0.126	0.275	0.219	0.204	0.188	0.187	0.182	0.168
C93075	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93076	0.269	0.256	0.255	0.221	0.210	0.234	0.212	0.180	0.250	0.211
C93077	0.254	0.240	0.248	0.231	0.193	0.226	0.186	0.273	0.255	0.238
C93078	0.289	0.266	0.268	0.257	0.247	0.340	0.225	0.236	0.240	0.235
C93079	0.244	0.250	0.267	0.249	0.239	0.230	0.187	0.219	0.222	0.192
C93080	SPILLED	SPILLED	SPILLED	0.257	SPILLED	SPILLED	0.223	SPILLED	0.256	SPILLED
C93081	0.236	0.255	0.223	0.251	0.230	0.265	0.225	0.201	0.220	0.194
C93082	0.237	0.240	0.219	0.231	0.196	0.210	0.222	0.226	0.217	0.215
C93083	0.252	0.273	0.262	0.244	0.235	0.226	0.212	0.217	0.232	0.225
C93084	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93085	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93086	0.267	0.257	0.255	0.231	0.224	0.216	0.222	0.231	0.209	0.220
C93087	0.246	0.273	0.264	0.232	0.231	0.236	0.214	0.222	0.250	0.207

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: FEMALE 4 - 5 PPM										
C93088	0.282	0.291	0.251	0.262	0.290	0.293	0.285	0.293	0.208	0.166
C93089	0.260	0.289	0.213	0.273	0.253	0.268	0.236	0.233	0.232	0.246
C93090	0.253	0.261	0.267	0.247	0.226	0.237	0.242	0.249	0.244	0.222
C93091	0.251	0.258	0.233	0.244	0.235	0.228	0.225	0.221	0.218	0.240
C93092	0.298	0.314	0.272	0.276	0.271	0.269	0.237	SPILLED	0.266	0.125
C93093	0.274	0.260	0.232	0.254	0.213	0.225	0.210	0.206	0.192	0.223
C93094	0.258	0.275	0.242	0.233	0.231	0.235	0.208	0.228	0.210	0.200
C93095	0.254	0.246	0.245	0.235	0.223	0.222	0.216	0.209	0.228	0.207
C93096	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93097	0.295	0.276	0.256	0.249	SPILLED	0.230	0.234	0.227	0.267	0.207
C93098	0.261	0.228	0.228	0.204	0.202	0.224	0.245	0.210	0.211	0.209
C93099	0.250	0.239	0.221	0.222	0.223	0.215	0.201	0.199	0.192	0.183
C93100	0.256	0.313	0.273	0.268	0.241	0.251	0.247	0.256	0.238	0.230
C93101	0.241	0.227	0.262	0.255	0.207	0.204	0.205	0.192	0.191	0.217
C93102	0.296	0.284	0.281	0.281	0.269	0.254	0.241	0.289	0.261	0.225
C93103	0.316	0.304	0.257	0.257	0.234	0.231	0.234	0.230	0.229	0.211
C93104	0.248	0.215	0.227	0.227	0.210	0.221	0.211	0.202	0.167	0.231
C93105	0.266	0.269	0.257	0.260	0.246	0.252	0.238	0.253	0.247	SPILLED
C93106	0.257	0.247	0.256	0.241	0.203	0.204	0.228	0.210	0.216	0.229
C93107	0.226	0.255	0.219	SPILLED	0.228	0.210	0.224	0.232	0.222	0.209
C93108	0.242	0.243	0.214	0.221	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93109	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93110	0.241	0.252	0.246	0.216	0.248	0.210	0.250	0.201	0.188	0.223
GROUP: FEMALE 5 - 20 PPM										
C93111	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93112	1.040	1.061	SPILLED	1.137	0.855	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93113	1.173	1.266	1.108	1.043	1.127	1.032	0.959	1.006	0.969	0.980
C93114	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93115	1.257	1.215	1.116	1.080	1.067	1.034	0.968	0.997	0.978	0.863

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: FEMALE 5 - 20 PPM										
C93116	1.220	1.242	1.212	1.203	1.116	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93117	1.229	1.198	1.104	SPILLED	1.398	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93118	1.058	1.163	1.129	1.081	1.006	0.980	1.014	1.093	1.287	1.120
C93119	1.143	1.199	1.123	1.116	1.173	1.092	1.028	SPILLED	1.245	1.268
C93120	1.207	1.255	1.141	1.112	0.991	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93121	1.050	1.117	SPILLED	1.067	1.111	1.081	1.090	3.483	1.118	0.857
C93122	1.034	1.122	1.049	1.126	1.040	0.967	0.989	0.961	1.006	1.038
C93123	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93124	1.030	1.074	1.215	1.119	1.151	1.080	1.087	1.101	1.026	1.022
C93125	1.216	1.266	1.257	1.163	1.189	1.163	1.210	1.179	1.179	1.084
C93126	1.103	1.169	1.065	1.059	1.024	0.599	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93127	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93128	1.004	1.134	1.105	1.043	1.013	0.957	0.959	1.108	1.043	0.985
C93129	1.208	1.314	1.255	1.251	1.294	1.156	1.091	SPILLED	1.396	1.163
C93130	1.049	1.140	0.973	0.999	1.031	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93131	1.097	1.019	1.028	0.993	0.959	0.919	0.835	0.856	0.940	0.856
C93132	1.049	0.983	0.931	0.972	0.811	0.900	0.909	0.905	0.947	0.806
C93133	1.070	1.414	SPILLED	1.183	0.896	1.171	0.837	0.987	1.047	0.935
C93134	1.066	0.998	0.990	1.007	1.011	0.897	0.650	0.658	NOT TAKEN	NOT TAKEN
C93135	1.257	1.321	1.140	1.195	1.180	1.301	SPILLED	1.314	1.401	SPILLED
C93136	1.242	1.298	1.201	1.232	1.256	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93137	1.246	1.180	1.192	1.171	1.030	0.914	1.066	0.927	1.003	0.974
C93138	0.957	1.018	0.889	0.944	1.028	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93139	1.326	1.172	1.072	1.123	1.070	1.005	1.034	0.983	0.931	0.974
C93140	1.123	1.095	0.922	0.924	0.987	0.952	0.977	0.981	0.965	0.887
C93141	1.118	1.123	1.023	0.955	1.020	0.963	0.894	1.105	0.960	0.936
C93142	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93143	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93144	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93145	SPILLED	SPILLED	SPILLED	1.354	SPILLED	1.240	SPILLED	1.133	1.059	1.270
C93146	0.984	1.207	1.055	1.400	1.115	1.126	1.194	1.133	1.253	1.173

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: FEMALE 5 - 20 PPM										
C93147	1.043	1.113	1.052	0.980	1.073	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93148	1.164	1.189	1.182	1.171	1.115	1.149	1.156	1.068	1.022	0.982
C93149	1.026	1.212	1.042	1.014	0.984	0.975	0.988	0.984	1.060	0.903
C93150	1.310	1.252	1.240	1.202	1.211	1.120	1.161	1.184	1.201	1.175
C93151	1.162	1.437	1.042	1.036	1.077	1.060	1.109	1.111	1.147	1.124
C93152	1.151	1.194	1.164	1.241	1.358	1.020	1.043	1.071	NOT TAKEN	NOT TAKEN
C93153	1.224	1.287	1.262	1.262	1.243	1.089	1.136	1.153	1.248	1.201
C93154	1.199	1.166	1.014	1.093	0.967	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93155	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93156	1.127	1.078	1.024	1.022	0.971	1.003	0.972	1.061	0.948	0.958
C93157	1.154	1.215	1.101	1.011	1.029	0.982	0.959	0.960	0.934	0.862
C93158	1.130	1.526	1.137	1.100	1.140	1.017	0.975	0.953	0.955	0.939
C93159	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93160	1.203	1.245	1.192	SPILLED	SPILLED	1.190	1.112	SPILLED	SPILLED	0.081
C93161	1.152	0.996	1.040	1.086	1.025	0.964	0.868	0.986	0.765	0.981
C93162	1.053	1.121	0.809	0.999	1.008	1.074	1.119	1.030	1.095	SPILLED
C93163	1.118	1.133	0.950	1.016	0.924	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93164	1.055	1.147	1.210	1.181	1.192	1.041	1.112	1.064	1.133	1.015
C93165	1.126	1.061	0.975	0.996	1.004	0.988	0.965	1.004	1.004	0.941
C93166	0.867	1.182	0.772	0.807	1.055	0.812	0.893	0.975	0.852	0.857
C93167	0.907	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93168	1.105	1.170	1.049	1.091	1.177	1.114	1.051	1.118	1.070	1.005
C93169	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93170	0.858	SPILLED	SPILLED	1.624	1.200	1.265	SPILLED	SPILLED	SPILLED	SPILLED
C93171	1.108	1.715	1.054	1.014	0.927	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93172	1.046	1.075	1.005	1.012	0.972	1.096	0.892	1.075	0.948	0.425
C93173	1.041	1.137	1.013	0.999	0.947	1.058	0.964	SPILLED	0.964	0.941
C93174	SPILLED	SPILLED	SPILLED	1.420	1.376	SPILLED	0.958	SPILLED	1.078	0.918
C93175	1.091	1.107	1.065	1.060	1.072	1.019	1.028	1.051	0.989	1.028
C93176	1.051	0.995	0.888	0.874	0.899	0.924	0.831	0.879	0.899	0.753
C93177	1.167	1.172	1.109	1.116	1.120	1.255	1.113	1.146	1.275	1.073

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: FEMALE 5 - 20 PPM										
C93178	1.033	1.024	0.907	0.995	0.918	0.909	0.886	0.928	0.885	0.882
C93179	1.156	1.207	1.050	1.073	1.015	1.135	1.011	1.035	1.029	1.012
C93180	1.082	1.106	1.011	1.130	1.043	0.911	0.666	NOT TAKEN	NOT TAKEN	NOT TAKEN
GROUP: FEMALE 6 - 20 PPM										
C93181	1.134	1.171	1.071	1.094	1.131	0.000	0.000	0.000	0.000	0.000
C93182	1.097	1.122	1.027	1.052	1.076	0.000	0.000	0.000	0.000	0.000
C93183	1.031	0.859	0.784	0.957	0.933	0.000	0.000	0.000	0.000	0.000
C93184	1.231	1.214	1.190	1.164	1.132	0.000	0.000	0.000	0.000	0.000
C93185	1.137	1.112	1.149	1.087	1.046	0.000	0.000	0.000	0.000	0.000
C93186	1.209	1.222	1.362	1.199	1.202	0.000	0.000	0.000	0.000	SPILLED
C93187	1.036	1.054	0.964	0.935	0.963	0.000	0.000	0.000	0.000	0.000
C93188	1.055	1.091	1.017	0.958	0.952	0.000	0.000	0.000	0.000	0.000
C93189	1.049	1.255	1.571	1.320	1.262	0.000	0.000	0.000	0.000	0.000
C93190	1.156	1.193	1.125	1.155	1.108	0.000	0.000	0.000	0.000	0.000
C93191	1.288	1.210	1.095	0.984	0.964	0.000	0.000	0.000	SPILLED	0.000
C93192	1.238	1.296	1.155	1.180	1.114	0.000	0.000	0.000	0.000	0.000
C93193	1.016	1.134	0.972	0.951	0.895	0.000	0.000	0.000	0.000	0.000
C93194	1.082	1.074	1.014	0.968	1.053	0.000	0.000	0.000	0.000	0.000
C93195	1.065	1.124	1.045	1.009	0.998	0.000	0.000	0.000	0.000	NOT TAKEN
C93196	1.111	1.135	1.118	1.050	1.098	0.000	0.000	0.000	0.000	0.000
C93197	1.140	1.275	1.093	1.265	1.254	SPILLED	SPILLED	SPILLED	0.000	0.000
C93198	0.983	1.017	1.001	0.955	0.960	0.000	0.000	0.000	0.000	0.000
C93199	1.118	1.097	1.056	1.026	0.999	0.000	0.000	0.000	NOT TAKEN	NOT TAKEN
C93200	1.174	1.204	1.102	1.114	1.133	0.000	0.000	0.000	0.000	0.000
C93201	1.047	1.263	1.061	1.410	1.052	0.000	0.000	SPILLED	0.000	0.000
C93202	1.044	0.973	0.986	1.013	0.930	0.000	0.000	0.000	0.000	0.000
C93203	1.119	1.065	0.998	0.993	1.127	0.000	0.000	0.000	0.000	0.000
C93204	1.100	1.129	1.099	1.141	1.076	0.000	0.000	0.000	0.000	0.000
C93205	1.070	1.044	0.975	1.071	1.037	0.000	0.000	0.000	0.000	0.000

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 36	WEEK 40	WEEK 44	WEEK 48	WEEK 52	WEEK 56	WEEK 60	WEEK 64	WEEK 68	WEEK 72
GROUP: FEMALE 6 - 20 PPM										
C93206	1.156	1.206	1.186	1.167	1.103	0.000	0.000	0.000	0.000	0.000
C93207	1.211	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93208	1.225	1.054	1.073	1.057	0.910	0.000	0.000	0.000	0.000	0.000
C93209	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	0.000	0.000	0.000
C93210	0.987	1.043	1.006	0.954	0.994	SPILLED	0.000	0.000	0.000	SPILLED
C93211	1.169	1.192	1.135	1.163	1.112	SPILLED	0.000	0.000	0.000	0.000
C93212	1.096	1.185	1.072	0.998	0.978	0.000	0.000	0.000	0.000	0.000
C93213	1.061	1.076	0.854	0.874	1.240	0.000	0.000	0.000	0.000	0.000
C93214	1.146	1.158	1.098	1.010	1.026	0.000	0.000	0.000	0.000	0.000
C93215	1.000	1.039	0.983	0.906	0.975	0.000	0.000	0.000	0.000	0.000
C93216	1.095	1.051	1.024	0.992	1.013	0.000	0.000	0.000	0.000	0.000
C93217	1.141	1.107	1.014	0.998	1.000	0.000	0.000	0.000	0.000	0.000
C93218	1.073	1.151	1.039	1.020	1.076	0.000	0.000	0.000	0.000	0.000
C93219	0.938	1.004	0.997	0.924	0.918	0.000	0.000	0.000	0.000	0.000
C93220	0.983	1.042	0.976	0.936	0.928	0.000	0.000	0.000	0.000	0.000

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

GROUP: MALE 2 - 0.5 PPM

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
C92571	0.017	0.018	0.017	0.017	0.016	0.009	SPILLED	NOT TAKEN
C92572	0.016	0.017	0.017	0.018	0.018	0.019	0.008	NOT TAKEN
C92573	0.015	0.009	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92574	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92575	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92576	0.016	0.014	0.016	0.016	0.017	0.011	NOT TAKEN	NOT TAKEN
C92577	0.014	0.012	0.015	0.015	0.015	0.014	0.014	0.013
C92578	0.014	0.012	0.006	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92579	0.013	0.010	0.013	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92580	0.005	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92581	0.018	0.015	0.017	0.016	0.014	0.011	0.023	0.000
C92582	0.017	0.014	0.017	0.017	0.016	0.014	SPILLED	NOT TAKEN
C92583	0.017	0.015	0.017	0.018	0.017	0.018	0.016	0.015
C92584	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92585	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92586	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92587	0.017	0.016	0.011	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92588	0.019	0.018	0.021	0.021	0.023	0.020	0.011	NOT TAKEN
C92589	0.019	0.016	0.017	0.018	0.016	0.013	NOT TAKEN	NOT TAKEN
C92590	0.017	0.016	0.017	0.017	0.017	0.017	0.018	0.018
C92591	0.017	0.016	0.016	0.016	0.015	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92592	0.015	0.015	0.016	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92593	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92594	0.018	0.017	0.018	0.018	0.017	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92595	0.016	0.015	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92596	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92597	0.017	0.018	0.018	0.014	0.017	0.017	0.017	SPILLED
C92598	0.017	0.017	0.017	0.017	0.017	0.017	0.016	0.015
C92599	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92600	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92601	0.016	0.018	0.017	0.016	0.017	0.017	0.017	0.016

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

GROUP: MALE 2 - 0.5 PPM

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
C92602	0.022	0.026	0.023	0.022	0.020	0.019	0.018	0.019
C92603	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92604	0.009	0.012	0.012	0.013	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92605	0.015	0.016	0.016	0.016	0.014	0.011	0.014	NOT TAKEN
C92606	0.018	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92607	0.018	0.018	0.010	0.011	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92608	0.003	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92609	0.017	0.018	0.018	0.017	0.017	0.018	0.017	NOT TAKEN
C92610	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92611	0.018	0.016	0.015	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92612	0.004	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92613	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92614	SPILLED	SPILLED	SPILLED	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92615	0.014	0.014	0.013	0.005	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92616	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92617	0.013	0.008	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92618	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92619	0.018	0.018	0.018	0.018	0.019	0.018	0.019	0.018
C92620	0.020	0.020	0.024	0.022	0.015	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92621	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92622	0.016	0.014	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92623	0.016	0.015	0.016	0.016	0.016	0.016	0.016	0.017
C92624	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92625	0.015	0.011	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92626	0.017	0.018	0.019	SPILLED	SPILLED	0.018	SPILLED	0.014
C92627	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92628	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92629	0.011	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92630	0.020	0.017	0.008	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: MALE 3 - 2 PPM								
C92631	0.071	0.073	0.073	0.069	0.073	0.073	0.071	0.070
C92632	0.066	0.063	0.065	0.063	SPILLED	0.069	0.070	NOT TAKEN
C92633	0.069	0.067	0.066	0.063	0.066	0.072	0.070	0.082
C92634	0.068	0.069	0.067	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92635	0.013	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92636	SPILLED	SPILLED	0.063	SPILLED	SPILLED	SPILLED	NOT TAKEN	NOT TAKEN
C92637	0.075	0.072	0.073	0.075	0.077	0.075	0.090	0.115
C92638	0.065	0.065	0.048	0.056	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92639	0.047	0.089	0.020	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92640	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92641	0.064	0.063	0.066	0.066	0.072	0.080	SPILLED	0.035
C92642	0.060	0.061	0.066	0.063	0.066	0.065	0.067	0.067
C92643	0.084	0.082	0.085	0.072	0.074	0.082	0.072	0.073
C92644	0.076	0.077	0.075	0.079	0.078	0.072	0.071	0.060
C92645	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92646	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92647	0.060	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92648	0.062	0.063	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92649	0.079	SPILLED	0.077	0.082	0.088	0.082	0.079	0.079
C92650	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92651	0.045	0.030	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92652	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92653	0.065	0.065	0.066	0.060	0.063	0.061	0.062	0.036
C92654	0.041	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92655	0.072	0.072	0.071	0.059	0.049	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92656	0.066	0.064	0.070	0.069	0.040	0.020	NOT TAKEN	NOT TAKEN
C92657	0.070	0.065	0.071	0.071	0.075	0.072	0.070	0.067
C92658	0.063	0.069	0.069	0.064	0.061	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92659	0.070	0.072	SPILLED	0.057	0.063	SPILLED	SPILLED	SPILLED
C92660	0.091	0.084	0.089	0.079	SPILLED	0.087	0.085	0.082
C92661	0.084	0.096	0.010	0.076	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

GROUP: MALE 3 - 2 PPM

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
C92662	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92663	0.071	0.067	0.064	0.070	0.061	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92664	0.032	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92665	0.065	0.065	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92666	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92667	0.002	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92668	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92669	0.065	0.069	0.071	0.067	0.070	0.070	0.070	0.059
C92670	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92671	0.075	0.070	0.084	0.075	0.068	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92672	0.064	0.062	0.070	0.064	0.052	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92673	0.072	0.073	0.069	0.064	0.058	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92674	0.066	0.064	0.034	0.060	0.060	0.064	0.062	0.060
C92675	0.071	0.070	0.071	0.067	0.061	0.053	0.040	NOT TAKEN
C92676	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92677	0.076	0.068	0.074	0.075	0.075	0.077	NOT TAKEN	NOT TAKEN
C92678	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92679	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92680	0.074	0.057	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92681	0.071	0.069	0.071	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92682	0.067	0.073	0.068	0.076	0.071	0.063	0.070	0.069
C92683	0.063	0.066	0.064	0.065	0.061	0.061	0.059	SPILLED
C92684	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92685	0.051	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92686	0.074	0.054	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92687	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92688	SPILLED	SPILLED	SPILLED	SPILLED	0.048	0.061	NOT TAKEN	NOT TAKEN
C92689	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92690	0.065	0.065	0.057	0.068	0.063	0.062	0.065	SPILLED

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: MALE 4 - 5 PPM								
C92691	0.160	0.166	0.169	0.176	0.159	0.173	0.172	0.153
C92692	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92693	SPILLED	0.168	0.173	0.174	0.170	0.140	0.140	0.148
C92694	0.157	0.161	0.164	0.157	0.158	0.157	0.151	0.152
C92695	0.172	0.180	0.177	0.185	0.168	0.176	0.176	0.185
C92696	0.169	0.203	0.201	0.198	0.184	0.191	0.187	0.188
C92697	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92698	0.151	0.152	0.163	0.159	0.152	0.141	0.096	0.013
C92699	0.210	0.198	0.189	0.181	0.179	0.176	0.191	0.185
C92700	0.190	0.209	0.223	0.201	0.231	0.210	0.176	0.149
C92701	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92702	0.184	0.184	0.190	0.176	0.184	0.191	0.127	0.117
C92703	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92704	0.159	0.160	0.171	0.165	0.157	0.164	0.154	0.148
C92705	0.167	0.158	0.164	0.163	0.164	0.169	0.183	0.175
C92706	0.162	SPILLED	0.163	0.192	SPILLED	0.139	NOT TAKEN	NOT TAKEN
C92707	0.174	0.176	0.179	0.032	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92708	0.177	0.157	0.197	0.200	0.180	0.180	0.179	0.197
C92709	0.175	0.162	0.137	0.162	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92710	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92711	0.152	0.165	0.174	0.094	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92712	0.170	0.154	0.150	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92713	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92714	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92715	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92716	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	0.232	SPILLED	SPILLED
C92717	0.196	0.186	0.193	0.199	0.188	0.173	0.176	0.193
C92718	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92719	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92720	0.171	0.123	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92721	0.217	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

GROUP: MALE 4 - 5 PPM

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
C92722	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92723	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92724	0.160	0.149	0.165	0.172	0.168	0.168	0.154	0.164
C92725	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92726	0.189	0.188	0.187	0.191	0.183	SPILLED	0.219	0.203
C92727	0.164	0.160	0.161	0.115	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92728	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92729	0.118	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92730	0.173	0.168	0.170	0.162	0.165	0.138	0.115	0.106
C92731	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92732	0.163	0.161	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92733	0.191	0.199	0.108	0.036	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92734	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92735	0.178	0.174	0.177	0.173	0.163	0.168	0.169	0.171
C92736	0.162	0.156	0.162	0.153	0.149	0.155	0.175	0.160
C92737	0.166	0.164	0.155	0.067	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92738	0.201	0.215	0.221	0.285	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92739	0.192	0.193	0.196	0.184	0.187	0.193	0.186	0.158
C92740	0.169	0.187	0.180	0.177	0.155	0.168	0.172	0.170
C92741	SPILLED	SPILLED	0.145	0.037	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92742	SPILLED	0.150	0.146	0.151	0.159	0.157	0.156	0.143
C92743	0.163	0.154	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92744	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92745	0.154	0.144	0.084	0.049	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92746	0.188	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92747	0.173	0.159	0.167	SPILLED	SPILLED	SPILLED	SPILLED	CNTMD
C92748	SPILLED	0.217	0.205	0.139	0.188	0.176	0.182	0.137
C92749	0.171	0.176	0.180	0.168	0.167	0.173	0.171	NOT TAKEN
C92750	0.173	0.163	0.169	0.168	0.159	0.172	0.159	0.098

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: MALE 5 - 20 PPM								
C92751	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92752	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92753	0.823	0.748	0.851	0.812	0.765	0.795	0.656	0.582
C92754	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92755	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92756	0.711	0.671	0.313	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92757	0.867	0.767	0.766	0.760	0.666	0.584	0.643	0.461
C92758	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92759	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92760	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92761	0.840	0.863	0.816	0.965	0.881	1.029	1.251	SPILLED
C92762	0.670	0.624	0.660	0.690	0.680	0.667	0.654	0.676
C92763	SPILLED	0.547	0.575	0.557	0.203	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92764	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92765	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92766	0.864	0.726	0.770	0.720	0.750	0.778	0.727	NOT TAKEN
C92767	0.449	0.609	0.617	0.697	0.541	0.128	NOT TAKEN	NOT TAKEN
C92768	0.712	0.696	0.692	0.683	0.508	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92769	0.720	0.753	0.738	0.602	0.771	0.723	0.560	NOT TAKEN
C92770	0.661	SPILLED	SPILLED	0.703	0.653	0.678	0.395	NOT TAKEN
C92771	0.627	0.095	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92772	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92773	0.921	0.942	0.852	0.904	0.950	0.939	0.993	0.879
C92774	0.661	0.609	0.665	0.695	0.649	0.645	0.694	0.621
C92775	0.670	0.685	0.724	0.667	0.648	0.613	0.573	0.174
C92776	0.715	0.681	0.755	0.763	0.769	0.728	0.690	0.735
C92777	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92778	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92779	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92780	SPILLED	0.946	SPILLED	0.952	0.986	0.802	0.578	0.357
C92781	0.310	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: MALE 5 - 20 PPM								
C92782	0.667	0.677	0.618	0.631	0.610	0.719	0.658	0.601
C92783	0.393	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92784	0.506	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92785	0.693	0.730	0.722	0.663	0.678	0.625	NOT TAKEN	NOT TAKEN
C92786	0.730	0.710	0.706	0.704	0.711	0.692	0.712	0.695
C92787	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92788	0.745	0.690	0.745	0.722	0.682	0.682	0.649	0.691
C92789	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92790	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92791	0.737	0.709	0.748	0.690	0.698	0.711	0.683	0.699
C92792	0.716	0.696	0.753	0.688	0.667	0.691	0.695	0.573
C92793	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92794	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92795	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92796	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92797	0.753	0.701	0.819	0.640	0.115	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92798	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92799	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92800	0.771	0.721	0.750	0.679	0.654	0.710	0.652	0.680
C92801	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92802	0.687	0.678	0.685	0.621	0.637	0.653	0.637	0.574
C92803	0.710	0.688	0.722	0.712	0.732	0.691	0.710	0.731
C92804	0.685	0.675	0.726	0.675	0.641	0.650	0.699	0.695
C92805	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92806	0.723	0.734	0.664	0.740	0.680	0.617	NOT TAKEN	NOT TAKEN
C92807	0.656	0.483	0.407	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92808	0.800	0.776	0.791	0.805	0.796	0.844	0.783	0.776
C92809	0.703	0.711	0.744	0.725	0.757	0.773	0.658	0.564
C92810	0.737	0.728	0.765	0.550	0.381	0.196	NOT TAKEN	NOT TAKEN
C92811	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92812	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: MALE 5 - 20 PPM								
C92813	0.785	0.678	0.753	0.673	0.775	0.720	NOT TAKEN	NOT TAKEN
C92814	0.735	0.774	0.716	0.741	0.766	0.730	0.688	0.729
C92815	SPILLED	0.937	SPILLED	0.941	SPILLED	SPILLED	0.944	0.925
C92816	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92817	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92818	0.704	0.709	0.737	0.778	0.741	0.734	0.714	0.720
C92819	0.730	0.744	0.791	0.788	0.834	SPILLED	0.811	NOT TAKEN
C92820	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
GROUP: MALE 6 - 20 PPM								
C92821	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
C92822	0.000	0.000	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92823	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
C92824	0.000	0.000	0.000	0.000	0.000	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92825	0.000	0.000	0.000	0.000	0.000	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92826	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92827	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
C92828	0.000	0.000	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92829	0.000	0.000	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	0.000
C92830	0.000	0.000	0.000	SPILLED	0.000	0.000	NOT TAKEN	NOT TAKEN
C92831	0.000	0.000	0.000	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92832	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92833	0.000	0.000	0.000	0.000	SPILLED	SPILLED	SPILLED	0.000
C92834	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
C92835	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92836	0.000	0.000	0.000	0.000	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92837	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92838	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92839	0.000	SPILLED	0.000	0.000	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92840	0.000	0.000	0.000	0.000	0.000	0.000	0.000	NOT TAKEN

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: MALE 6 - 20 PPM								
C92841	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92842	0.000	0.000	0.000	0.000	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92843	0.000	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92844	0.000	0.000	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92845	0.000	0.000	0.000	0.000	0.000	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92846	0.000	0.000	0.000	0.000	0.000	0.000	0.000	NOT TAKEN
C92847	0.000	0.000	0.000	0.000	0.000	0.000	NOT TAKEN	NOT TAKEN
C92848	0.000	0.000	0.000	0.000	SPILLED	SPILLED	SPILLED	SPILLED
C92849	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92850	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
C92851	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
C92852	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92853	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
C92854	0.000	0.000	0.000	0.000	0.000	0.000	0.000	NOT TAKEN
C92855	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92856	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
C92857	0.000	0.000	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92858	0.000	0.000	0.000	0.000	0.000	0.000	NOT TAKEN	NOT TAKEN
C92859	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92860	0.000	0.000	0.000	0.000	0.000	0.000	NOT TAKEN	NOT TAKEN
GROUP: FEMALE 2 - 0.5 PPM								
C92931	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92932	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92933	0.018	0.017	0.020	0.019	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92934	0.020	0.018	0.013	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92935	0.014	0.008	0.011	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92936	0.024	0.022	0.024	0.019	0.018	0.020	0.017	SPILLED
C92937	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92938	0.019	0.019	0.019	0.018	0.018	0.020	0.017	SPILLED

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

GROUP: FEMALE 2 - 0.5 PPM

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
C92939	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92940	0.028	SPILLED	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92941	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92942	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92943	0.019	0.019	0.011	0.011	0.011	0.015	NOT TAKEN	NOT TAKEN
C92944	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92945	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92946	0.020	0.018	0.020	0.018	0.018	0.018	0.019	0.017
C92947	0.021	0.024	0.022	0.017	0.009	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92948	0.019	0.021	0.023	0.023	0.020	0.003	NOT TAKEN	NOT TAKEN
C92949	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92950	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92951	0.023	0.028	0.022	0.019	0.022	0.025	0.022	NOT TAKEN
C92952	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92953	0.022	0.020	0.020	0.020	0.021	0.019	0.018	0.022
C92954	0.026	0.022	0.025	0.023	SPILLED	0.022	0.001	NOT TAKEN
C92955	0.018	0.018	0.017	0.018	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92956	0.020	0.020	0.018	0.018	0.018	0.016	0.013	NOT TAKEN
C92957	0.022	0.022	0.020	0.022	0.018	SPILLED	SPILLED	SPILLED
C92958	0.023	0.022	0.016	0.015	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92959	0.022	0.024	0.025	0.024	0.024	0.010	NOT TAKEN	NOT TAKEN
C92960	0.019	0.019	0.020	0.019	SPILLED	SPILLED	SPILLED	SPILLED
C92961	0.018	SPILLED	SPILLED	0.017	0.014	SPILLED	NOT TAKEN	NOT TAKEN
C92962	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92963	0.021	0.022	0.023	0.025	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92964	0.023	0.025	0.026	0.022	0.021	0.019	0.022	SPILLED
C92965	0.023	0.004	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92966	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92967	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92968	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92969	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: FEMALE 2 - 0.5 PPM								
C92970	0.019	0.019	0.018	0.016	0.016	0.016	0.007	0.010
C92971	0.028	0.027	0.027	0.024	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92972	0.021	0.021	0.025	0.022	0.010	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92973	0.020	0.020	0.021	0.020	0.019	0.017	0.018	0.012
C92974	0.022	0.022	0.023	0.023	0.022	0.021	0.016	0.018
C92975	0.026	0.028	0.027	0.021	0.024	0.020	0.018	0.022
C92976	0.024	0.021	0.017	0.018	0.015	0.016	0.005	NOT TAKEN
C92977	0.021	0.023	0.023	0.022	0.021	0.019	NOT TAKEN	NOT TAKEN
C92978	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92979	0.018	0.020	0.018	0.001	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92980	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92981	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92982	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92983	0.020	0.018	0.020	0.017	0.019	0.017	0.013	0.009
C92984	0.022	0.022	0.022	0.017	0.016	0.018	0.014	0.015
C92985	0.019	0.020	0.017	0.014	0.012	0.007	NOT TAKEN	NOT TAKEN
C92986	0.022	0.021	0.024	0.021	0.021	0.019	0.021	0.021
C92987	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92988	0.021	0.018	0.020	0.018	0.019	0.018	0.020	0.019
C92989	0.027	0.022	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92990	0.022	0.020	0.019	0.018	0.019	NOT TAKEN	NOT TAKEN	NOT TAKEN
GROUP: FEMALE 3 - 2 PPM								
C92991	0.091	0.090	0.077	0.078	0.077	0.079	0.070	NOT TAKEN
C92992	0.083	0.077	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92993	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92994	0.087	0.014	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92995	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92996	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92997	0.085	0.068	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

GROUP: FEMALE 3 - 2 PPM

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
C92998	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C92999	0.074	0.076	0.073	0.098	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93000	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93001	0.077	0.038	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93002	0.085	0.026	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93003	0.103	0.089	0.097	SPILLED	SPILLED	0.072	0.056	NOT TAKEN
C93004	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93005	0.081	0.051	0.103	0.105	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93006	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93007	0.080	0.076	0.079	0.085	0.092	0.079	0.083	NOT TAKEN
C93008	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93009	0.078	0.071	0.073	0.063	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93010	0.079	0.071	0.060	0.028	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93011	0.075	0.083	0.082	0.074	0.073	0.071	0.073	NOT TAKEN
C93012	0.066	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93013	0.046	0.040	0.062	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93014	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93015	0.092	0.091	0.097	0.088	0.097	0.052	0.123	NOT TAKEN
C93016	SPILLED	0.109	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93017	0.104	0.094	0.113	0.071	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93018	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93019	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93020	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93021	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93022	0.077	0.074	0.071	0.062	0.061	0.063	0.057	NOT TAKEN
C93023	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93024	0.083	0.041	0.074	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93025	0.075	0.076	0.078	0.077	0.076	0.071	0.064	NOT TAKEN
C93026	0.113	0.090	0.091	0.100	0.096	0.078	0.087	NOT TAKEN
C93027	0.079	0.081	0.061	0.016	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93028	0.091	0.078	0.060	0.061	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: FEMALE 3 - 2 PPM								
C93029	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93030	0.076	0.068	0.073	0.062	0.070	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93031	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93032	0.045	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93033	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93034	0.090	0.114	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93035	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93036	0.076	0.072	0.047	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93037	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93038	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93039	0.073	0.067	0.070	0.069	0.069	0.084	0.071	NOT TAKEN
C93040	0.093	0.107	0.100	0.106	0.055	0.131	0.088	NOT TAKEN
C93041	0.079	0.048	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93042	0.076	0.078	0.064	0.063	0.044	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93043	SPILLED	SPILLED	0.083	0.070	0.073	SPILLED	NOT TAKEN	NOT TAKEN
C93044	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93045	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93046	0.094	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93047	0.074	0.071	0.068	0.065	0.069	0.067	0.064	NOT TAKEN
C93048	0.099	0.092	0.090	0.076	0.086	0.087	0.090	NOT TAKEN
C93049	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93050	0.084	0.079	0.088	0.100	0.089	0.042	NOT TAKEN	NOT TAKEN
GROUP: FEMALE 4 - 5 PPM								
C93051	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93052	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93053	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93054	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93055	0.009	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93056	0.226	0.231	0.211	0.201	0.136	0.113	NOT TAKEN	NOT TAKEN

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

GROUP: FEMALE 4 - 5 PPM

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
C93057	0.214	0.221	0.224	0.220	0.141	0.171	NOT TAKEN	NOT TAKEN
C93058	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93059	0.226	0.209	0.210	0.211	0.205	0.189	0.189	0.182
C93060	0.221	0.239	0.226	0.239	0.184	0.199	0.152	0.199
C93061	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93062	0.215	0.231	0.220	0.219	0.234	0.234	0.229	0.203
C93063	0.244	0.208	0.217	0.207	0.214	0.210	0.207	0.167
C93064	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93065	0.135	0.241	0.311	0.281	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93066	SPILLED	0.228	0.200	0.195	0.194	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93067	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93068	0.256	0.224	0.251	0.237	0.228	0.239	0.173	NOT TAKEN
C93069	0.204	0.184	0.217	0.237	0.237	0.246	0.157	NOT TAKEN
C93070	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93071	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93072	0.209	0.223	0.205	0.202	0.205	0.200	0.197	0.212
C93073	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93074	0.182	0.068	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93075	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93076	0.219	0.184	0.219	0.138	0.059	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93077	0.232	0.227	0.223	0.195	0.182	0.176	0.164	0.179
C93078	0.196	0.231	0.212	0.247	0.243	0.243	0.249	0.245
C93079	0.181	0.201	0.211	0.199	0.175	0.192	0.204	0.183
C93080	0.233	0.255	SPILLED	0.225	0.189	SPILLED	SPILLED	0.265
C93081	0.203	0.195	0.197	0.208	0.197	0.201	SPILLED	0.207
C93082	0.203	0.203	0.227	0.209	0.183	0.044	NOT TAKEN	NOT TAKEN
C93083	0.213	0.227	0.248	0.215	0.193	0.192	0.177	0.224
C93084	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93085	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93086	0.105	0.143	0.240	0.234	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93087	0.199	0.226	0.232	0.219	0.231	0.204	NOT TAKEN	NOT TAKEN

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: FEMALE 4 - 5 PPM								
C93088	0.242	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93089	0.224	0.227	0.236	0.240	0.118	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93090	0.234	0.209	0.229	0.215	0.209	0.206	0.198	0.143
C93091	0.154	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93092	0.132	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93093	0.221	0.203	0.194	0.218	0.213	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93094	0.180	0.211	0.206	0.167	0.191	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93095	0.205	0.234	0.210	0.169	0.244	0.186	0.180	0.028
C93096	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93097	0.232	0.211	0.226	0.230	0.243	0.196	NOT TAKEN	NOT TAKEN
C93098	0.196	0.195	0.205	0.182	0.198	0.180	0.173	0.181
C93099	0.209	0.183	0.182	0.148	0.139	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93100	0.216	0.217	0.221	0.208	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93101	0.218	0.182	0.200	0.192	0.212	0.186	0.194	0.211
C93102	0.230	0.254	0.265	0.254	SPILLED	SPILLED	SPILLED	0.286
C93103	0.224	0.223	0.169	0.192	0.183	0.075	NOT TAKEN	NOT TAKEN
C93104	0.006	0.267	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93105	0.221	SPILLED	0.125	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93106	0.212	0.202	0.202	0.195	0.175	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93107	0.184	0.228	0.223	0.217	0.158	0.205	0.201	0.201
C93108	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93109	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93110	0.205	0.226	0.193	0.119	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
GROUP: FEMALE 5 - 20 PPM								
C93111	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93112	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93113	0.872	1.059	0.898	0.957	0.938	0.716	0.836	0.849
C93114	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93115	1.001	0.923	0.930	0.868	0.865	0.853	0.692	0.662

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: FEMALE 5 - 20 PPM								
C93116	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93117	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93118	1.075	0.904	SPILLED	1.309	1.213	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93119	1.229	1.363	1.305	1.268	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93120	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93121	0.979	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93122	0.838	1.035	1.052	0.788	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93123	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93124	1.024	1.047	1.044	1.408	1.121	1.161	1.312	1.178
C93125	1.058	1.148	1.178	1.033	1.108	1.093	SPILLED	SPILLED
C93126	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93127	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93128	0.956	1.068	1.022	1.000	0.958	0.919	NOT TAKEN	NOT TAKEN
C93129	1.118	1.127	1.134	0.953	0.693	0.542	NOT TAKEN	NOT TAKEN
C93130	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93131	0.852	0.727	0.958	0.867	0.473	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93132	0.858	0.805	0.831	0.836	0.698	0.835	1.291	0.020
C93133	0.993	0.916	0.928	0.871	0.846	0.919	0.899	0.901
C93134	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93135	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	SPILLED	0.559
C93136	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93137	0.945	1.140	1.026	0.830	0.926	0.614	0.884	0.758
C93138	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93139	0.976	1.081	1.041	SPILLED	0.953	1.057	1.036	1.171
C93140	0.935	0.903	0.913	0.904	0.912	0.879	0.852	0.700
C93141	0.885	0.994	0.941	0.863	0.877	0.714	NOT TAKEN	NOT TAKEN
C93142	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93143	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93144	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93145	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93146	1.224	1.208	1.207	1.194	1.071	1.003	1.054	0.846

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: FEMALE 5 - 20 PPM								
C93147	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93148	0.977	1.048	1.037	0.982	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93149	0.884	0.917	0.917	0.985	0.830	0.945	0.394	0.773
C93150	1.177	1.231	1.082	1.182	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93151	1.117	1.123	1.072	1.013	1.049	0.876	0.948	0.784
C93152	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93153	1.158	1.040	1.145	1.108	0.965	1.223	0.845	SPILLED
C93154	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93155	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93156	0.464	1.602	1.161	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93157	0.896	0.868	0.893	0.850	0.805	0.820	0.753	0.761
C93158	0.757	0.909	0.936	0.916	0.863	0.901	0.925	0.859
C93159	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93160	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93161	0.938	0.692	0.951	SPILLED	0.897	0.875	0.880	0.870
C93162	0.981	0.952	0.983	0.923	0.913	0.844	0.791	SPILLED
C93163	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93164	1.198	1.080	1.122	1.073	1.168	1.190	0.907	0.988
C93165	0.955	0.945	0.927	0.795	0.897	0.951	0.822	0.782
C93166	0.845	0.768	0.916	0.754	0.822	0.783	0.824	0.775
C93167	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93168	1.006	1.002	1.048	1.286	0.944	0.898	0.842	0.911
C93169	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93170	SPILLED	1.275	1.058	0.756	0.741	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93171	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93172	0.770	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93173	0.979	0.889	0.805	1.088	0.933	0.794	0.562	NOT TAKEN
C93174	0.986	1.027	SPILLED	0.862	0.868	SPILLED	0.870	0.866
C93175	1.065	0.952	0.985	1.026	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93176	0.826	0.736	0.567	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93177	1.190	1.366	1.146	0.980	0.942	1.040	1.100	1.195

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: FEMALE 5 - 20 PPM								
C93178	0.863	0.841	0.901	0.864	0.825	0.846	0.749	0.870
C93179	1.005	1.049	0.995	1.033	1.062	1.068	0.831	1.202
C93180	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
GROUP: FEMALE 6 - 20 PPM								
C93181	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
C93182	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
C93183	0.000	0.000	0.000	0.000	0.000	0.000	0.000	SPILLED
C93184	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
C93185	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
C93186	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93187	0.000	0.000	0.000	0.000	SPILLED	0.000	0.000	NOT TAKEN
C93188	0.000	0.000	0.000	0.000	0.000	SPILLED	SPILLED	0.000
C93189	0.000	0.000	0.000	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93190	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
C93191	0.000	0.000	0.000	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93192	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
C93193	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93194	0.000	0.000	0.000	0.000	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93195	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93196	0.000	0.000	0.000	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93197	0.000	0.000	0.000	SPILLED	SPILLED	0.000	0.000	0.000
C93198	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
C93199	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93200	0.000	0.000	0.000	0.000	0.000	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93201	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
C93202	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
C93203	0.000	0.000	0.000	0.000	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93204	0.000	0.000	0.000	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93205	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Appendix 4

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WEEK 76	WEEK 80	WEEK 84	WEEK 88	WEEK 92	WEEK 96	WEEK 100	WEEK 104
GROUP: FEMALE 6 - 20 PPM								
C93206	0.000	0.000	0.000	0.000	0.000	0.000	0.000	NOT TAKEN
C93207	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93208	0.000	0.000	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93209	0.000	0.000	0.000	0.000	0.000	SPILLED	0.000	0.000
C93210	0.000	0.000	0.000	0.000	0.000	SPILLED	0.000	0.000
C93211	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
C93212	0.000	0.000	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93213	0.000	0.000	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93214	0.000	0.000	0.000	0.000	0.000	SPILLED	NOT TAKEN	NOT TAKEN
C93215	0.000	0.000	SPILLED	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93216	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
C93217	0.000	0.000	0.000	0.000	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93218	0.000	0.000	0.000	0.000	NOT TAKEN	NOT TAKEN	NOT TAKEN	NOT TAKEN
C93219	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
C93220	0.000	0.000	0.000	0.000	0.000	SPILLED	0.000	0.000

APPENDIX 5

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

Appendix 5

Individual Clinical Hematology Data

Males Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295				
C92505	6.96	14.5	42.0	60.3	20.8	34.6	1086
C92506	7.13	15.1	44.7	62.7	21.2	33.7	1208
C92524	8.05	16.4	47.6	59.1	20.4	34.6	1021
C92526	7.86	16.2	47.4	60.4	20.6	34.1	941
C92529	7.61	15.1	45.3	59.5	19.9	33.4	1057
C92542	7.22	14.2	41.9	58.0	19.6	33.8	909
C92543	7.59	15.1	45.1	59.4	19.9	33.4	1181
C92546	8.09	16.1	48.0	59.2	19.9	33.6	914
C92548	6.73	14.5	42.1	62.5	21.6	34.6	1022
C92553	7.48	14.4	43.8	58.6	19.3	32.9	1145
MEAN	7.47	15.2	44.8	60.0	20.3	33.9	1048
S.D.	.459	.81	2.35	1.56	.73	.59	107.7
N	10	10	10	10	10	10	10
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295				
C92573	7.14	14.5	42.5	59.5	20.4	34.2	993
C92574	8.02	15.9	47.6	59.4	19.9	33.4	1028
C92575	6.58	14.0	40.8	62.1	21.3	34.4	1349
C92585	7.14	13.8	41.4	58.0	19.3	33.3	1138
C92586	7.45	14.9	44.1	59.2	19.9	33.7	1096
C92587	6.80	13.9	40.7	59.8	20.5	34.2	1033
C92610	7.19	15.6	46.0	64.0	21.6	33.8	1071
C92613	7.65	15.6	45.8	59.9	20.4	34.0	952
C92615	6.97	14.2	41.6	59.7	20.3	34.1	1022
C92618	7.22	14.8	43.9	60.7	20.5	33.7	1139
MEAN	7.22	14.7	43.4	60.2	20.4	33.9	1082
S.D.	.414	.77	2.43	1.69	.67	.36	111.4
N	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Hematology Data

Males Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295				
C92632	6.27	13.6	39.3	62.7	21.7	34.6	942
C92646	8.26	17.3	50.4	61.1	20.9	34.2	1075
C92650	8.07	16.2	48.4	60.0	20.1	33.5	1006
C92652	7.80	16.5	48.1	61.6	21.2	34.3	974
C92657	7.21	14.5	42.6	59.1	20.1	34.1	1048
C92668	7.93	15.6	46.8	59.1	19.6	33.3	1011
C92676	7.59	15.0	43.8	57.7	19.8	34.3	1040
C92678	7.82	15.3	46.0	58.8	19.5	33.1	968
C92684	7.57	14.7	43.9	58.0	19.4	33.5	1186
C92686	6.90	14.7	42.1	61.1	21.4	35.0	1033
MEAN	7.54	15.3	45.1	59.9	20.4	34.0	1028
S.D.	.599	1.09	3.39	1.65	.85	.61	68.7
N	10	10	10	10	10	10	10
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295				
C92709	7.39	15.0	43.8	59.3	20.3	34.2	998
C92715	8.70	16.6	49.2	56.5	19.1	33.8	1095
C92716	6.87	14.4	40.9	59.5	20.9	35.2	1043
C92718	7.81	16.4	47.9	61.3	21.0	34.2	956
C92725	6.91	14.7	43.2	62.5	21.2	34.0	994
C92731	7.89	16.3	48.0	60.8	20.7	34.0	794
C92732	6.93	14.3	41.9	60.5	20.7	34.1	1092
C92734	7.39	16.0	46.9	63.5	21.7	34.1	1076
C92744	7.71	16.2	48.0	62.3	21.0	33.7	1208
C92746	6.66	13.8	40.5	60.7	20.8	34.2	875
MEAN	7.43	15.4	45.0	60.7	20.7	34.1	1013
S.D.	.622	1.04	3.32	1.97	.68	.41	118.6
N	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Hematology Data

Males Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295				
C92752	7.83	15.6	46.7	59.6	19.9	33.5	995
C92759	7.17	15.0	44.4	61.9	20.9	33.8	935
C92779	7.46	15.6	46.4	62.1	20.9	33.6	1224
C92784	7.01	14.2	41.6	59.4	20.2	34.1	1120
C92793	7.22	14.9	43.5	60.3	20.6	34.2	831
C92798	7.11	15.0	44.8	63.1	21.1	33.4	1051
C92799	7.47	15.1	44.6	59.7	20.3	33.9	1145
C92805	7.26	14.6	42.7	58.8	20.1	34.2	1170
C92807	7.24	14.7	43.4	59.9	20.3	33.9	999
C92811	7.21	15.3	44.1	61.2	21.2	34.6	1044
MEAN	7.30	15.0	44.2	60.6	20.6	33.9	1051
S.D.	.234	.44	1.56	1.40	.45	.37	118.1
N	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Hematology Data

Males Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295								
C92505	10.7	.6	9.2	.7	.1	.0	6	86	6	1	0
C92506	10.7	1.2	8.8	.6	.0	.0	12	82	5	0	0
C92524	8.4	.8	7.0	.5	.1	.0	9	84	5	1	0
C92526	12.0	.6	10.7	.6	.1	.0	5	89	5	1	0
C92529	8.8	.6	7.6	.5	.1	.0	7	86	6	1	0
C92542	6.6	.5	5.4	.6	.1	.0	8	82	9	1	0
C92543	7.1	.9	5.7	.4	.0	.0	13	81	6	1	0
C92546	5.7	.2	5.1	.3	.1	.0	4	89	6	1	0
C92548	9.0	1.0	7.2	.6	.1	.0	11	80	7	1	0
C92553	7.2	1.0	5.1	.9	.2	.0	14	71	12	2	0
MEAN	8.6	.7	7.2	.6	.1	.0	9	83	7	1	0
S.D.	2.03	.30	1.92	.16	.06	.00	3.5	5.3	2.2	.5	.0
N	10	10	10	10	10	10	10	10	10	10	10
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295								
C92573	7.8	.6	6.6	.5	.1	.0	8	85	6	1	0
C92574	7.1	.5	6.3	.2	.0	.0	8	90	2	1	0
C92575	15.1	4.9	8.8	1.2	.1	.0	33	58	8	1	0
C92585	9.8	1.1	7.7	.8	.1	.0	11	79	9	1	0
C92586	10.7	1.3	8.6	.7	.1	.0	12	80	7	1	0
C92587	8.2	.9	6.4	.7	.2	.0	11	78	9	2	0
C92610	7.2	.6	6.2	.3	.0	.0	9	86	4	1	0
C92613	8.5	.6	7.5	.3	.0	.0	8	88	3	1	0
C92615	11.2	.8	9.7	.6	.1	.0	8	86	5	1	0
C92618	7.0	.7	6.0	.3	.1	.0	9	85	4	1	0
MEAN	9.3	1.2	7.4	.6	.1	.0	12	82	6	1	0
S.D.	2.54	1.32	1.29	.31	.06	.00	7.6	9.1	2.5	.3	.0
N	10	10	10	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Hematology Data

Males Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295								
C92632	12.9	1.0	10.7	1.0	.1	.0	8	83	8	1	0
C92646	9.1	.5	8.0	.5	.1	.0	6	88	6	1	0
C92650	5.6	.5	4.8	.2	.0	.0	8	86	4	1	0
C92652	7.7	.3	6.8	.4	.1	.0	4	90	5	1	0
C92657	11.8	1.0	10.1	.6	.1	.0	8	86	5	1	0
C92668	8.2	.5	7.4	.2	.1	.0	7	90	3	1	0
C92676	9.4	.7	7.9	.7	.0	.0	8	84	7	0	0
C92678	7.2	.6	5.7	.8	.1	.0	9	79	11	1	0
C92684	9.6	.7	7.9	.8	.2	.0	7	83	8	2	0
C92686	11.8	.8	10.2	.7	.1	.0	6	86	6	1	0
MEAN	9.3	.7	8.0	.6	.1	.0	7	86	6	1	0
S.D.	2.30	.23	1.94	.26	.06	.00	1.4	3.4	2.3	.5	.0
N	10	10	10	10	10	10	10	10	10	10	10
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295								
C92709	7.6	.8	5.3	.9	.5	.0	11	70	12	7	0
C92715	5.8	.4	5.1	.2	.1	.0	6	88	4	2	0
C92716	6.8	.6	5.6	.5	.1	.0	9	82	7	1	0
C92718	7.0	.5	6.3	.2	.0	.0	6	90	3	0	0
C92725	9.3	1.0	7.4	.7	.1	.0	11	80	8	1	0
C92731	5.6	.3	4.9	.3	.0	.0	5	89	5	1	0
C92732	8.2	.7	7.1	.3	.1	.0	8	87	4	1	0
C92734	7.7	.4	7.0	.3	.0	.0	5	90	4	1	0
C92744	7.9	.5	7.1	.2	.0	.0	7	90	3	0	0
C92746	6.3	.6	5.1	.5	.1	.0	10	81	8	1	0
MEAN	7.2	.6	6.1	.4	.1	.0	8	85	6	2	0
S.D.	1.15	.21	.99	.24	.15	.00	2.3	6.5	2.9	2.0	.0
N	10	10	10	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Hematology Data

Males Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
Group: 5	Dose Level: 20.0			Dosage Unit: ppm T-6295							
C92752	5.6	.6	4.6	.4	.0	.0	11	82	7	1	0
C92759	6.7	.8	5.8	.1	.0	.0	12	86	2	1	0
C92779	3.9	.4	3.2	.2	.0	.0	10	83	6	1	0
C92784	12.1	1.8	8.6	1.4	.2	.0	15	72	11	2	0
C92793	6.5	.4	5.8	.2	.1	.0	7	89	4	1	0
C92798	7.3	.4	6.3	.5	.1	.0	6	87	6	1	0
C92799	7.8	.9	6.2	.6	.1	.0	12	79	7	2	0
C92805	11.4	1.4	9.3	.5	.2	.0	12	82	4	1	0
C92807	10.9	.9	9.0	.8	.1	.0	8	83	7	1	0
C92811	11.4	.9	9.7	.8	.1	.0	8	85	7	1	0
MEAN	8.4	.8	6.8	.6	.1	.0	10	83	6	1	0
S.D.	2.87	.46	2.19	.38	.07	.00	2.8	4.8	2.4	.4	.0
N	10	10	10	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Hematology Data

Males Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	ANISO	POLY	POIK	HYPO	TOXNEUT
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295		
C92505	-	-	-	-	-
C92506	-	-	-	-	-
C92524	-	-	-	-	-
C92526	-	-	-	-	-
C92529	-	-	-	-	-
C92542	-	-	-	-	-
C92543	-	-	-	-	-
C92546	-	-	-	-	-
C92548	-	-	-	-	-
C92553	-	-	-	-	-
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295		
C92573	-	-	-	-	-
C92574	-	-	-	-	-
C92575	-	-	-	-	-
C92585	-	-	-	-	-
C92586	-	-	-	-	-
C92587	-	-	-	-	-
C92610	-	-	-	-	-
C92613	-	-	-	-	-
C92615	-	-	-	-	-
C92618	-	-	-	-	-

Appendix 5

Individual Clinical Hematology Data

Males Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	ANISO	POLY	POIK	HYPO	TOXNEUT
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295		
C92632	-	-	-	-	-
C92646	-	-	-	-	-
C92650	-	-	-	-	-
C92652	-	-	-	-	-
C92657	-	-	-	-	-
C92668	-	-	-	-	-
C92676	-	-	-	-	-
C92678	-	-	-	-	-
C92684	-	-	-	-	-
C92686	-	-	-	-	-
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295		
C92709	-	-	-	-	-
C92715	-	-	-	-	-
C92716	-	-	-	-	-
C92718	-	-	-	-	-
C92725	-	-	-	-	-
C92731	-	-	-	-	-
C92732	-	-	-	-	-
C92734	-	-	-	-	-
C92744	-	-	-	-	-
C92746	-	-	-	-	-

Appendix 5

Individual Clinical Hematology Data

Males Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	ANISO	POLY	POIK	HYPO	TOXNEUT
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295		
C92752	-	-	-	-	-
C92759	-	-	-	-	-
C92779	-	-	-	-	-
C92784	-	-	-	-	-
C92793	-	-	-	-	-
C92798	-	-	-	-	-
C92799	-	-	-	-	-
C92805	-	-	-	-	-
C92807	-	-	-	-	-
C92811	-	-	-	-	-

Appendix 5

Individual Clinical Hematology Data

Females Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295				
C92861	7.48	15.5	46.1	61.6	20.7	33.6	1199
C92864	6.77	14.4	42.8	63.2	21.3	33.8	983
C92876	7.39	15.7	46.4	62.9	21.2	33.8	1058
C92877	7.18	15.4	45.5	63.4	21.4	33.8	874
C92882	7.13	15.2	45.3	63.6	21.3	33.5	1146
C92883	7.26	15.0	45.2	62.3	20.7	33.1	1222
C92914	7.62	15.2	44.2	58.1	19.9	34.3	1083
C92919	6.97	15.0	44.1	63.3	21.5	34.0	1208
C92925	7.43	14.6	44.4	59.8	19.7	32.9	1103
C92926	7.61	15.8	46.7	61.4	20.7	33.8	1153
MEAN	7.28	15.2	45.1	62.0	20.8	33.7	1103
S.D.	.276	.45	1.20	1.80	.63	.41	109.6
N	10	10	10	10	10	10	10
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295				
C92941	6.97	14.6	43.6	62.5	20.9	33.4	1182
C92945	7.38	15.2	45.0	60.9	20.6	33.9	1595
C92950	7.78	16.3	47.7	61.3	20.9	34.1	1061
C92953	6.99	14.6	44.1	63.1	20.9	33.1	1095
C92959	6.94	14.6	43.9	63.2	21.0	33.3	983
C92964	7.48	15.9	46.7	62.4	21.3	34.1	955
C92968	7.32	15.0	45.6	62.4	20.6	32.9	1106
C92969	7.36	15.8	46.0	62.4	21.5	34.4	1187
C92976	7.74	15.4	46.9	60.6	19.8	32.7	1069
C92982	8.01	15.8	47.1	58.8	19.7	33.5	1023
MEAN	7.40	15.3	45.7	61.8	20.7	33.5	1126
S.D.	.367	.62	1.46	1.36	.58	.57	181.3
N	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Hematology Data

Females Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295				
C92993	7.25	14.8	44.5	61.3	20.3	33.2	973
C92996	7.84	16.0	46.6	59.4	20.4	34.3	1189
C92998	7.43	14.8	45.4	61.2	20.0	32.7	1096
C93004	7.72	15.1	45.6	59.1	19.6	33.1	1273
C93006	7.82	15.4	45.5	58.2	19.7	33.8	951
C93008	7.65	16.2	47.4	61.9	21.1	34.1	1127
C93023	7.76	15.1	45.4	58.5	19.5	33.2	1175
C93031	6.79	14.6	43.0	63.3	21.4	33.9	856
C93033	6.99	13.8	42.1	60.2	19.7	32.8	1068
C93045	7.66	15.6	46.7	60.9	20.4	33.5	979
MEAN	7.49	15.1	45.2	60.4	20.2	33.5	1069
S.D.	.367	.70	1.64	1.62	.64	.55	128.2
N	10	10	10	10	10	10	10
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295				
C93058	8.08	15.7	47.2	58.4	19.4	33.2	1324
C93067	7.30	15.8	45.8	62.8	21.6	34.5	1085
C93070	7.37	15.5	46.5	63.1	21.1	33.3	1046
C93074	6.98	15.3	45.8	65.7	22.0	33.5	893
C93075	8.01	16.2	47.2	58.9	20.2	34.3	1091
C93083	7.00	15.0	44.7	63.8	21.4	33.5	1023
C93084	7.69	15.5	46.1	60.0	20.1	33.6	1211
C93089	7.33	15.2	45.5	62.0	20.8	33.5	1115
C93094	7.21	14.8	45.0	62.4	20.5	32.8	1181
C93105	7.08	15.1	44.2	62.4	21.3	34.1	1066
MEAN	7.40	15.4	45.8	62.0	20.8	33.6	1104
S.D.	.396	.42	1.00	2.25	.79	.52	116.6
N	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Hematology Data

Females Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295				
C93114	7.27	15.2	44.5	61.3	21.0	34.2	1171
C93123	7.19	15.1	45.2	62.9	21.0	33.3	1092
C93142	7.54	15.0	45.5	60.4	19.9	32.9	1015
C93144	7.36	15.6	46.3	62.9	21.3	33.8	1155
C93151	7.57	15.3	46.4	61.3	20.2	33.0	1006
C93155	7.13	15.6	45.3	63.5	21.8	34.4	1022
C93158	6.97	15.0	44.0	63.1	21.5	34.1	1193
C93159	7.38	15.3	45.3	61.5	20.7	33.7	1042
C93164	7.68	15.3	46.1	60.0	20.0	33.3	1269
C93175	7.66	15.8	47.8	62.5	20.7	33.1	1112
MEAN	7.38	15.3	45.6	61.9	20.8	33.6	1108
S.D.	.238	.27	1.07	1.21	.64	.53	88.4
N	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Hematology Data

Females Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295								
C92861	7.6	.7	6.5	.3	.1	.0	9	86	4	1	0
C92864	6.6	.5	5.9	.1	.1	.0	8	89	1	1	0
C92876	4.6	.7	3.6	.1	.2	.0	15	77	3	5	0
C92877	6.4	.9	5.2	.3	.0	.0	14	81	5	1	0
C92882	4.5	.5	3.7	.2	.1	.0	11	82	5	2	0
C92883	7.7	.8	6.2	.6	.1	.0	11	80	8	1	0
C92914	8.9	.8	7.8	.2	.0	.0	9	88	3	0	0
C92919	11.7	1.0	10.2	.5	.1	.0	8	87	4	1	0
C92925	9.9	.4	8.8	.6	.1	.0	4	88	6	1	0
C92926	6.2	.3	5.2	.5	.1	.0	5	84	8	2	0
MEAN	7.4	.7	6.3	.3	.1	.0	9	84	5	2	0
S.D.	2.27	.23	2.12	.20	.06	.00	3.5	4.0	2.2	1.4	.0
N	10	10	10	10	10	10	10	10	10	10	10
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295								
C92941	5.5	1.1	4.2	.2	.0	.0	20	76	3	1	0
C92945	8.1	.6	7.1	.3	.1	.0	8	87	3	2	0
C92950	7.3	2.8	4.3	.2	.0	.0	38	58	3	1	0
C92953	6.1	.3	5.7	.1	.1	.0	4	94	1	1	0
C92959	5.6	.2	5.1	.2	.0	.0	4	91	4	1	0
C92964	7.8	.3	6.9	.5	.1	.0	4	89	6	1	0
C92968	6.7	.4	5.8	.4	.1	.0	6	86	6	1	0
C92969	6.2	.4	5.5	.2	.0	.0	7	89	3	0	0
C92976	6.9	.4	5.9	.4	.1	.0	6	85	6	2	0
C92982	5.1	.4	4.5	.1	.0	.0	7	89	3	1	0
MEAN	6.5	.7	5.5	.3	.0	.0	10	84	4	1	0
S.D.	1.01	.78	1.01	.13	.05	.00	10.8	10.4	1.7	.6	.0
N	10	10	10	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Hematology Data

Females Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295								
C92993	6.1	.7	5.0	.4	.0	.0	11	82	6	0	0
C92996	8.2	.2	7.7	.3	.1	.0	2	93	3	1	0
C92998	3.4	.5	2.8	.1	.0	.0	14	82	3	1	0
C93004	2.3	.4	1.6	.3	.0	.0	16	69	14	1	0
C93006	4.4	.2	4.1	.1	.0	.0	4	93	2	1	0
C93008	7.0	.4	6.3	.2	.0	.0	5	90	3	1	0
C93023	4.4	.5	3.4	.3	.1	.0	12	78	7	2	0
C93031	6.0	.3	5.4	.3	.1	.0	5	90	4	1	0
C93033	3.6	.5	2.8	.2	.1	.0	15	77	6	2	0
C93045	4.5	.4	4.0	.1	.0	.0	8	88	3	1	0
MEAN	5.0	.4	4.3	.2	.0	.0	9	84	5	1	0
S.D.	1.80	.15	1.83	.11	.05	.00	5.1	7.9	3.5	.6	.0
N	10	10	10	10	10	10	10	10	10	10	10
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295								
C93058	5.0	.6	4.0	.2	.1	.0	12	81	4	2	0
C93067	4.8	.4	4.2	.1	.0	.0	8	88	3	1	0
C93070	5.1	.4	4.5	.1	.1	.0	7	88	3	2	0
C93074	13.0	1.0	11.5	.4	.1	.0	8	88	3	1	0
C93075	6.1	.3	5.6	.2	.0	.0	6	91	2	0	0
C93083	3.4	.3	2.7	.3	.1	.0	9	80	8	2	0
C93084	7.9	.5	7.0	.4	.1	.0	6	88	5	1	0
C93089	9.2	.8	8.0	.3	.1	.0	9	86	3	1	0
C93094	5.3	.3	4.7	.2	.1	.0	6	90	4	1	0
C93105	9.0	.5	8.1	.3	.1	.0	5	90	4	1	0
MEAN	6.9	.5	6.0	.2	.1	.0	8	87	4	1	0
S.D.	2.88	.23	2.62	.11	.04	.00	2.1	3.7	1.7	.6	.0
N	10	10	10	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Hematology Data

Females Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295								
C93114	6.7	.3	6.2	.1	.0	.0	5	93	2	0	0
C93123	4.6	.5	3.8	.2	.1	.0	10	84	4	1	0
C93142	6.6	.7	5.7	.2	.1	.0	10	86	2	1	0
C93144	10.9	.6	9.8	.4	.1	.0	6	90	4	1	0
C93151	6.1	.5	5.2	.4	.1	.0	7	85	6	1	0
C93155	4.8	.5	4.0	.2	.1	.0	10	84	4	2	0
C93158	5.8	.7	4.4	.5	.1	.0	12	76	9	2	0
C93159	5.3	.3	4.8	.2	.0	.0	5	90	4	1	0
C93164	6.5	.7	5.6	.1	.1	.0	10	86	2	2	0
C93175	5.2	.3	4.6	.2	.1	.0	5	88	4	2	0
MEAN	6.2	.5	5.4	.2	.1	.0	8	86	4	1	0
S.D.	1.80	.17	1.72	.14	.04	.00	2.7	4.6	2.1	.7	.0
N	10	10	10	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Hematology Data

Females Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	ANISO	POLY	POIK	HYPO	TOXNEUT
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295		
C92861	-	-	-	-	-
C92864	-	-	-	-	-
C92876	-	-	-	-	-
C92877	-	-	-	-	-
C92882	-	-	-	-	-
C92883	-	-	-	-	-
C92914	-	-	-	-	-
C92919	-	-	-	-	-
C92925	-	-	-	-	-
C92926	-	-	-	-	-
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295		
C92941	-	-	-	-	-
C92945	-	-	-	-	-
C92950	-	-	-	-	-
C92953	-	-	-	-	-
C92959	-	-	-	-	-
C92964	-	-	-	-	-
C92968	-	-	-	-	-
C92969	-	-	-	-	-
C92976	-	-	-	-	-
C92982	-	-	-	-	-

Appendix 5

Individual Clinical Hematology Data

Females Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	ANISO	POLY	POIK	HYPO	TOXNEUT
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295		
C92993	-	-	-	-	-
C92996	-	-	-	-	-
C92998	-	-	-	-	-
C93004	-	-	-	-	-
C93006	-	-	-	-	-
C93008	-	-	-	-	-
C93023	-	-	-	-	-
C93031	-	-	-	-	-
C93033	-	-	-	-	-
C93045	-	-	-	-	-
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295		
C93058	-	-	-	-	-
C93067	-	-	-	-	-
C93070	-	-	-	-	-
C93074	-	-	-	-	-
C93075	-	-	-	-	-
C93083	-	-	-	-	-
C93084	-	-	-	-	-
C93089	-	-	-	-	-
C93094	-	-	-	-	-
C93105	-	-	-	-	-

Appendix 5

Individual Clinical Hematology Data

Females Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	ANISO	POLY	POIK	HYPO	TOXNEUT
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295		
C93114	-	-	-	-	-
C93123	-	-	-	-	-
C93142	-	-	-	-	-
C93144	-	-	-	-	-
C93151	-	-	-	-	-
C93155	-	-	-	-	-
C93158	-	-	-	-	-
C93159	-	-	-	-	-
C93164	-	-	-	-	-
C93175	-	-	-	-	-

Appendix 5

Individual Clinical Hematology Data

Males Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295				
C92508	8.63	15.1	45.7	53.0	17.5	33.1	940
C92509	8.60	15.9	46.3	53.8	18.5	34.4	1103
C92511	8.93	16.7	48.0	53.7	18.7	34.7	1188
C92521	8.84	15.8	45.7	51.7	17.9	34.6	1157
C92527	7.98	15.4	45.2	56.6	19.3	34.2	1078
C92528	8.39	15.3	44.7	53.3	18.2	34.1	1533
C92532	9.27	16.7	48.5	52.3	18.0	34.5	1165
C92535	8.69	15.3	45.5	52.4	17.6	33.5	1173
C92537	7.74	14.5	42.0	54.3	18.7	34.4	1147
C92562	8.46	15.8	47.1	55.6	18.6	33.5	940
MEAN	8.55	15.6	45.9	53.7	18.3	34.1	1142
S.D.	.446	.69	1.83	1.52	.56	.55	164.6
N	10	10	10	10	10	10	10
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295				
C92583	8.56	15.4	46.7	54.5	18.0	32.9	1088
C92593	9.75	17.1	49.8	51.1	17.6	34.4	1141
C92598	8.77	15.4	46.2	52.6	17.6	33.4	1143
C92600	8.90	16.4	48.4	54.4	18.5	33.9	1140
C92612	8.69	15.5	45.3	52.1	17.8	34.2	1156
C92616	8.87	15.9	46.5	52.4	17.9	34.2	1135
C92621	8.09	15.5	46.0	56.9	19.1	33.6	1093
C92624	8.98	15.8	47.2	52.6	17.6	33.5	907
C92627	8.80	15.9	45.9	52.2	18.1	34.7	1218
C92629	8.32	15.3	45.0	54.1	18.3	33.9	904
MEAN	8.77	15.8	46.7	53.3	18.0	33.9	1092
S.D.	.441	.56	1.45	1.68	.48	.53	104.7
N	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Hematology Data

Males Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295				
C92636	8.63	16.0	47.2	54.6	18.5	33.9	1090
C92640	9.12	15.9	46.4	50.9	17.4	34.3	1165
C92644	7.99	14.6	43.4	54.3	18.2	33.5	1156
C92645	9.01	16.7	48.6	54.0	18.5	34.3	1507
C92651	8.78	15.7	47.7	54.4	17.9	33.0	1422
C92661	8.30	15.8	47.7	57.5	19.0	33.0	905
C92662	8.79	15.8	46.8	53.2	18.0	33.8	1111
C92676	9.04	15.8	46.9	51.9	17.5	33.7	1161
C92682	7.97	14.8	43.9	55.1	18.6	33.7	922
C92684	9.22	15.8	46.1	50.0	17.1	34.2	1239
MEAN	8.68	15.7	46.5	53.6	18.1	33.7	1168
S.D.	.456	.60	1.65	2.19	.60	.47	189.6
N	10	10	10	10	10	10	10
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295				
C92711	8.48	14.9	44.9	53.0	17.6	33.3	1091
C92713	9.13	16.3	47.5	52.1	17.9	34.4	1319
C92714	9.14	15.8	46.1	50.5	17.3	34.2	1025
C92716	7.64	14.0	41.4	54.3	18.3	33.7	1062
C92719	8.20	15.2	44.8	54.7	18.6	34.0	1161
C92722	8.76	15.1	44.6	51.0	17.3	33.9	1146
C92726	8.74	15.3	46.2	52.8	17.5	33.1	885
C92728	8.82	15.8	46.2	52.4	17.9	34.2	1279
C92741	8.71	15.2	45.3	52.0	17.4	33.5	839
C92748	8.06	14.8	44.9	55.7	18.4	33.0	977
MEAN	8.57	15.2	45.2	52.8	17.8	33.7	1078
S.D.	.478	.63	1.61	1.64	.48	.49	155.6
N	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Hematology Data

Males Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295				
C92754	7.96	15.1	45.1	56.6	19.0	33.5	1098
C92765	8.28	14.9	44.2	53.4	18.0	33.7	1287
C92767	8.11	14.8	43.8	54.0	18.3	33.8	941
C92774	7.96	14.7	44.1	55.5	18.5	33.4	1000
C92777	8.09	15.1	43.9	54.2	18.7	34.5	1061
C92784	8.21	14.3	42.8	52.1	17.4	33.5	1124
C92789	8.67	15.9	46.5	53.7	18.4	34.3	1139
C92799	8.32	15.5	45.2	54.4	18.7	34.3	1328
C92812	8.30	14.7	43.4	52.4	17.7	33.8	1261
C92820	8.41	15.8	46.8	55.6	18.8	33.8	1147
MEAN	8.23	15.1	44.6	54.2	18.4	33.9	1139
S.D.	.216	.51	1.30	1.42	.51	.38	124.3
N	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Hematology Data

Males Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295								
C92508	6.2	.7	4.9	.5	.1	.0	12	79	8	1	0
C92509	7.0	.8	5.4	.7	.1	.0	12	77	9	1	0
C92511	7.2	.7	5.5	.8	.1	.0	10	76	12	2	0
C92521	5.1	.8	3.6	.5	.1	.0	17	71	10	2	0
C92527	9.2	1.1	6.9	1.0	.2	.0	12	75	11	2	0
C92528	11.8	1.3	9.0	1.2	.2	.1	11	76	10	2	0
C92532	9.4	1.6	7.0	.7	.2	.0	17	74	7	2	0
C92535	7.6	1.3	5.5	.6	.2	.0	17	72	8	2	0
C92537	9.1	1.0	6.6	1.2	.2	.0	11	73	14	2	0
C92562	9.4	1.7	6.4	1.0	.3	.0	18	68	10	3	0
MEAN	8.2	1.1	6.1	.8	.2	.0	14	74	10	2	0
S.D.	1.95	.37	1.46	.27	.07	.03	3.1	3.2	2.1	.6	.0
N	10	10	10	10	10	10	10	10	10	10	10
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295								
C92583	7.9	1.5	5.3	.9	.1	.0	19	68	11	2	0
C92593	7.7	.7	6.3	.5	.1	.0	9	83	7	1	0
C92598	10.0	1.3	7.3	1.1	.3	.0	13	73	11	3	0
C92600	9.0	1.4	6.7	.9	.0	.0	15	74	10	0	0
C92612	10.2	1.0	7.9	1.0	.2	.0	10	78	10	2	0
C92616	6.9	1.2	4.8	.7	.1	.0	18	71	10	2	0
C92621	7.8	1.1	5.7	.7	.3	.0	14	73	9	4	0
C92624	9.8	1.6	7.0	1.0	.2	.0	16	71	10	2	0
C92627	8.7	1.6	6.3	.6	.1	.0	19	72	7	1	0
C92629	7.2	1.3	4.9	.9	.1	.0	18	68	12	2	0
MEAN	8.5	1.3	6.2	.8	.2	.0	15	73	10	2	0
S.D.	1.20	.28	1.04	.19	.10	.00	3.6	4.5	1.6	1.1	.0
N	10	10	10	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Hematology Data

Males Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295								
C92636	7.9	1.2	5.8	.7	.2	.0	15	73	9	2	0
C92640	8.0	1.1	5.9	.7	.2	.0	14	74	9	2	0
C92644	6.7	1.1	4.8	.7	.1	.0	16	71	11	2	0
C92645	8.0	1.0	6.6	.3	.1	.0	12	82	4	2	0
C92651	10.9	1.7	7.9	1.1	.2	.0	16	72	10	2	0
C92661	9.6	1.7	6.5	1.2	.1	.1	18	68	12	1	1
C92662	5.2	.7	3.6	.7	.1	.0	14	70	14	2	0
C92676	7.0	1.1	5.2	.6	.1	.0	16	74	9	1	0
C92682	8.7	1.2	6.2	1.1	.2	.0	14	70	13	2	0
C92684	6.4	.8	4.7	.5	.3	.0	13	74	8	5	0
MEAN	7.8	1.2	5.7	.8	.2	.0	15	73	10	2	0
S.D.	1.64	.33	1.20	.29	.07	.03	1.8	3.8	2.8	1.1	.3
N	10	10	10	10	10	10	10	10	10	10	10
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295								
C92711	8.4	1.7	5.7	.8	.2	.0	20	68	10	2	0
C92713	5.1	.9	3.7	.4	.1	.0	18	72	7	2	0
C92714	6.6	.7	5.0	.8	.1	.0	11	75	12	2	0
C92716	6.4	1.1	4.7	.4	.1	.0	17	74	7	2	0
C92719	6.7	1.3	4.4	.8	.2	.0	20	65	12	3	0
C92722	8.9	1.7	6.0	1.0	.2	.0	19	68	11	2	0
C92726	8.0	1.0	6.2	.5	.2	.0	13	78	6	3	0
C92728	8.7	1.7	6.0	.8	.1	.0	20	69	10	2	0
C92741	12.6	.9	10.8	.6	.2	.0	7	86	5	1	0
C92748	6.5	1.2	4.6	.6	.1	.0	18	71	9	2	0
MEAN	7.8	1.2	5.7	.7	.2	.0	16	73	9	2	0
S.D.	2.08	.37	1.97	.20	.05	.00	4.5	6.1	2.5	.6	.0
N	10	10	10	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Hematology Data

Males Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
Group: 5	Dose Level: 20.0			Dosage Unit: ppm T-6295							
C92754	10.2	1.3	7.5	1.2	.2	.0	13	74	11	2	0
C92765	11.5	1.8	8.7	.8	.2	.0	16	76	7	2	0
C92767	18.9	1.5	16.0	1.2	.1	.1	8	84	7	1	0
C92774	7.8	1.2	4.8	1.5	.3	.0	15	62	19	3	0
C92777	7.6	1.5	5.8	.3	.1	.0	19	76	4	1	0
C92784	13.1	2.1	9.4	1.2	.3	.0	16	72	10	2	0
C92789	8.5	1.4	6.3	.6	.1	.0	17	75	7	1	0
C92799	6.0	1.6	3.8	.5	.1	.0	27	62	8	2	0
C92812	9.7	2.2	6.7	.6	.2	.0	22	70	6	2	0
C92820	11.5	1.2	9.4	.7	.1	.0	11	82	6	1	0
MEAN	10.5	1.6	7.8	.9	.2	.0	16	73	8	2	0
S.D.	3.65	.35	3.43	.39	.08	.03	5.4	7.3	4.2	.7	.0
N	10	10	10	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Hematology Data

Males Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	ANISO	POLY	POIK	HYPO	TOXNEUT
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295		
C92508	-	-	-	-	-
C92509	-	-	-	-	-
C92511	-	-	-	-	-
C92521	-	-	-	-	-
C92527	-	-	-	-	-
C92528	-	-	-	-	-
C92532	-	-	-	-	-
C92535	-	-	-	-	-
C92537	-	-	-	-	-
C92562	-	-	-	-	-
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295		
C92583	-	-	-	-	-
C92593	-	-	-	-	-
C92598	-	-	-	-	-
C92600	-	-	-	-	-
C92612	-	-	-	-	-
C92616	-	-	-	-	-
C92621	-	-	-	-	-
C92624	-	-	-	-	-
C92627	-	-	-	-	-
C92629	-	-	-	-	-

Appendix 5

Individual Clinical Hematology Data

Males Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	ANISO	POLY	POIK	HYPO	TOXNEUT
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295		
C92636	-	-	-	-	-
C92640	-	-	-	-	-
C92644	-	-	-	-	-
C92645	-	-	-	-	-
C92651	-	-	-	-	-
C92661	-	-	-	-	-
C92662	-	-	-	-	-
C92676	-	-	-	-	-
C92682	-	-	-	-	-
C92684	-	-	-	-	-
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295		
C92711	-	-	-	-	-
C92713	-	-	-	-	-
C92714	-	-	-	-	-
C92716	-	-	-	-	-
C92719	-	-	-	-	-
C92722	-	-	-	-	-
C92726	-	-	-	-	-
C92728	-	-	-	-	-
C92741	-	-	-	-	-
C92748	-	-	-	-	-

Appendix 5

Individual Clinical Hematology Data

Males Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	ANISO	POLY	POIK	HYPO	TOXNEUT
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295		
C92754	-	-	-	-	-
C92765	-	-	-	-	-
C92767	-	-	-	-	-
C92774	-	-	-	-	-
C92777	-	-	-	-	-
C92784	-	-	-	-	-
C92789	-	-	-	-	-
C92799	-	-	-	-	-
C92812	-	-	-	-	-
C92820	-	-	-	-	-

Appendix 5

Individual Clinical Hematology Data

Females Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295				
C92863	8.49	15.9	47.9	56.4	18.8	33.2	1041
C92865	8.00	15.5	45.8	57.3	19.4	33.9	1022
C92871	8.90	16.8	50.3	56.5	18.9	33.5	1194
C92880	8.61	16.1	46.8	54.4	18.7	34.4	1054
C92887	7.73	14.9	43.1	55.7	19.2	34.5	1078
C92898	7.65	14.7	42.9	56.0	19.2	34.3	1094
C92903	8.13	15.7	46.0	56.6	19.4	34.2	1133
C92905	7.78	15.0	43.9	56.4	19.2	34.1	1027
C92906	7.55	14.4	43.5	57.7	19.1	33.1	1015
C92927	7.17	13.9	42.2	58.8	19.4	33.0	948
MEAN	8.00	15.3	45.2	56.6	19.1	33.8	1061
S.D.	.535	.87	2.58	1.18	.25	.57	68.5
N	10	10	10	10	10	10	10
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295				
C92935	8.37	15.0	45.8	54.7	17.9	32.7	1153
C92940	8.65	16.2	49.6	57.4	18.7	32.6	1091
C92944	8.46	15.8	46.6	55.1	18.7	33.9	1234
C92948	7.60	15.0	45.3	59.6	19.8	33.2	1136
C92956	7.90	14.5	43.9	55.6	18.3	32.9	1126
C92962	7.90	16.0	45.2	57.1	20.2	35.4	1092
C92967	7.89	14.9	43.3	54.9	18.9	34.4	1206
C92978	8.24	15.9	46.5	56.4	19.3	34.2	1009
C92986	8.40	15.9	47.6	56.6	18.9	33.3	1207
C92987	8.75	15.8	45.8	52.4	18.0	34.4	1179
MEAN	8.22	15.5	46.0	56.0	18.9	33.7	1143
S.D.	.377	.59	1.80	1.93	.74	.91	67.8
N	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Hematology Data

Females Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295				
C92992	7.82	15.3	46.1	58.9	19.6	33.3	993
C92993	7.80	14.5	42.2	54.1	18.6	34.4	989
C93000	8.31	15.2	44.5	53.5	18.2	34.1	1126
C93018	7.95	15.5	45.8	57.6	19.4	33.8	1118
C93019	8.06	14.8	45.2	56.1	18.3	32.7	1070
C93023	8.38	15.1	44.8	53.5	18.0	33.7	1201
C93024	8.34	16.5	49.1	58.8	19.8	33.6	1056
C93026	7.87	14.5	44.2	56.2	18.4	32.8	1192
C93030	7.76	15.4	45.8	59.1	19.8	33.6	902
C93035	8.32	15.3	44.5	53.5	18.3	34.3	1058
MEAN	8.06	15.2	45.2	56.1	18.8	33.6	1070
S.D.	.253	.58	1.76	2.37	.72	.57	93.4
N	10	10	10	10	10	10	10
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295				
C93051	8.40	16.0	46.8	55.7	19.0	34.2	1174
C93064	8.55	16.1	47.0	55.0	18.8	34.1	1120
C93071	7.84	15.0	44.0	56.1	19.2	34.1	1055
C93076	7.30	14.5	42.9	58.8	19.8	33.7	1088
C93078	8.09	15.2	46.5	57.5	18.8	32.7	1083
C93085	7.49	14.6	41.7	55.7	19.5	34.9	1039
C93089	7.81	14.6	44.1	56.5	18.6	33.0	1181
C93090	7.51	14.3	42.5	56.6	19.0	33.6	1025
C93093	8.15	15.8	47.4	58.1	19.3	33.2	972
C93109	8.56	15.9	46.9	54.7	18.5	33.9	1078
MEAN	7.97	15.2	45.0	56.5	19.0	33.7	1082
S.D.	.453	.70	2.17	1.32	.41	.65	64.7
N	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Hematology Data

Females Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295				
C93111	7.78	14.7	41.0	52.7	18.9	35.9	1033
C93113	8.22	15.3	46.4	56.4	18.6	33.1	1128
C93120	7.59	14.3	43.0	56.7	18.8	33.2	1188
C93127	7.90	15.5	44.2	56.0	19.6	35.0	1150
C93135	8.08	15.1	45.6	56.5	18.7	33.1	1024
C93143	8.10	16.1	46.3	57.1	19.9	34.8	1226
C93155	7.89	15.7	44.4	56.3	19.9	35.3	1180
C93162	7.44	13.8	41.9	56.3	18.5	32.9	1339
C93169	8.04	15.1	43.8	54.5	18.8	34.4	1250
C93178	7.70	15.3	45.4	59.0	19.9	33.7	921
MEAN	7.87	15.1	44.2	56.2	19.2	34.1	1144
S.D.	.247	.67	1.82	1.64	.59	1.08	122.9
N	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Hematology Data

Females Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295								
C92863	4.5	.7	3.0	.6	.2	.0	15	67	14	4	0
C92865	6.4	2.1	3.4	.7	.1	.0	33	54	11	2	0
C92871	6.5	1.5	4.4	.4	.1	.0	24	68	7	1	0
C92880	2.3	.8	1.3	.1	.0	.0	34	58	5	2	0
C92887	3.5	.9	2.1	.4	.1	.0	25	60	12	2	0
C92898	6.6	1.3	4.6	.5	.2	.0	20	70	7	3	0
C92903	4.4	.7	3.3	.3	.1	.0	17	75	6	3	0
C92905	3.7	.3	3.1	.3	.0	.0	9	83	7	1	0
C92906	6.4	.7	5.1	.4	.1	.0	11	80	7	2	0
C92927	4.6	.6	3.5	.4	.1	.0	13	77	8	2	0
MEAN	4.9	1.0	3.4	.4	.1	.0	20	69	8	2	0
S.D.	1.51	.53	1.14	.17	.07	.00	8.8	9.7	2.9	.9	.0
N	10	10	10	10	10	10	10	10	10	10	10
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295								
C92935	4.4	.8	3.0	.5	.1	.0	18	68	12	2	0
C92940	9.6	1.7	7.0	.7	.1	.0	18	73	7	1	0
C92944	9.0	1.4	7.0	.5	.1	.0	15	78	6	1	0
C92948	10.2	1.8	7.2	1.0	.1	.0	18	71	9	1	0
C92956	3.1	.9	1.6	.5	.1	.0	28	53	16	3	0
C92962	4.5	.5	3.6	.2	.1	.0	12	81	5	2	0
C92967	4.0	.7	3.0	.2	.0	.0	17	76	6	1	0
C92978	6.1	1.0	4.5	.6	.1	.0	16	73	9	2	0
C92986	5.0	.7	3.5	.7	.1	.0	15	69	13	3	0
C92987	8.6	.7	7.5	.3	.1	.0	8	87	3	1	0
MEAN	6.4	1.0	4.8	.5	.1	.0	16	73	9	2	0
S.D.	2.64	.45	2.18	.25	.03	.00	5.1	9.1	4.0	.8	.0
N	10	10	10	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Hematology Data

Females Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295								
C92992	4.1	.9	2.9	.3	.1	.0	21	70	7	2	0
C92993	3.8	.4	3.1	.3	.0	.0	11	80	7	1	0
C93000	3.8	.7	2.7	.3	.1	.0	18	71	8	2	0
C93018	6.4	.7	5.3	.3	.1	.0	10	83	5	2	0
C93019	3.8	.6	2.9	.3	.1	.0	15	75	8	3	0
C93023	3.0	.5	2.2	.2	.1	.0	18	74	5	3	0
C93024	4.5	.8	3.4	.3	.1	.0	17	75	6	1	0
C93026	7.7	.9	6.3	.4	.1	.0	12	81	5	1	0
C93030	4.8	.6	3.8	.3	.1	.0	12	79	7	3	0
C93035	7.4	.5	6.2	.5	.1	.0	7	85	7	1	0
MEAN	4.9	.7	3.9	.3	.1	.0	14	77	6	2	0
S.D.	1.65	.17	1.50	.08	.03	.00	4.4	5.1	1.2	.9	.0
N	10	10	10	10	10	10	10	10	10	10	10
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295								
C93051	6.0	.6	5.2	.2	.1	.0	10	85	3	1	0
C93064	3.2	.6	2.1	.3	.0	.0	20	68	11	1	1
C93071	5.8	.4	5.1	.2	.1	.0	7	88	4	1	0
C93076	6.5	.8	5.1	.5	.2	.0	12	78	7	3	0
C93078	5.1	1.2	3.3	.4	.1	.0	24	65	8	2	0
C93085	4.4	.5	3.5	.3	.1	.0	10	80	7	2	0
C93089	8.3	.5	6.2	1.3	.1	.1	6	75	16	1	1
C93090	9.6	2.2	6.8	.4	.1	.0	23	71	4	1	0
C93093	5.8	1.3	4.1	.3	.1	.0	23	69	6	2	0
C93109	3.8	.7	2.6	.3	.1	.0	19	69	9	3	0
MEAN	5.8	.9	4.4	.4	.1	.0	15	75	8	2	0
S.D.	1.96	.55	1.54	.32	.05	.03	7.1	7.7	3.9	.8	.4
N	10	10	10	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Hematology Data

Females Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295								
C93111	4.8	.8	3.7	.1	.1	.0	17	78	3	3	0
C93113	7.2	1.0	5.5	.6	.1	.0	15	76	8	1	0
C93120	5.4	.7	4.0	.6	.1	.0	13	73	12	2	1
C93127	3.1	.6	2.2	.2	.1	.0	18	72	7	3	0
C93135	5.7	1.1	4.1	.4	.1	.0	19	71	8	2	0
C93143	3.2	.7	2.0	.3	.2	.0	23	62	10	5	0
C93155	3.2	.5	2.5	.2	.1	.0	15	76	6	3	0
C93162	7.6	2.7	4.4	.4	.1	.0	35	58	6	1	0
C93169	3.4	.6	2.7	.2	.0	.0	16	78	5	1	0
C93178	4.0	.8	3.0	.3	.0	.0	19	74	7	1	0
MEAN	4.8	1.0	3.4	.3	.1	.0	19	72	7	2	0
S.D.	1.68	.64	1.12	.17	.06	.00	6.3	6.7	2.5	1.3	.3
N	10	10	10	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Hematology Data

Females Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	ANISO	POLY	POIK	HYPO	TOXNEUT
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295		
C92863	-	-	-	-	-
C92865	-	-	-	-	-
C92871	-	-	-	-	-
C92880	-	-	-	-	-
C92887	-	-	-	-	-
C92898	-	-	-	-	-
C92903	-	-	-	-	-
C92905	-	-	-	-	-
C92906	-	-	-	-	-
C92927	-	-	-	-	-
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295		
C92935	-	-	-	-	-
C92940	-	-	-	-	-
C92944	-	-	-	-	-
C92948	-	-	-	-	-
C92956	-	-	-	-	-
C92962	-	-	-	-	-
C92967	-	-	-	-	-
C92978	-	-	-	-	-
C92986	-	-	-	-	-
C92987	-	-	-	-	-

Appendix 5

Individual Clinical Hematology Data

Females Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	ANISO	POLY	POIK	HYPO	TOXNEUT
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295		
C92992	-	-	-	-	-
C92993	-	-	-	-	-
C93000	-	-	-	-	-
C93018	-	-	-	-	-
C93019	-	-	-	-	-
C93023	-	-	-	-	-
C93024	-	-	-	-	-
C93026	-	-	-	-	-
C93030	-	-	-	-	-
C93035	-	-	-	-	-
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295		
C93051	-	-	-	-	-
C93064	-	-	-	-	-
C93071	-	-	-	-	-
C93076	-	-	-	-	-
C93078	-	-	-	-	-
C93085	-	-	-	-	-
C93089	-	-	-	-	-
C93090	-	-	-	-	-
C93093	-	-	-	-	-
C93109	-	-	-	-	-

Appendix 5

Individual Clinical Hematology Data

Females Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	ANISO	POLY	POIK	HYPO	TOXNEUT
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295		
C93111	-	-	-	-	-
C93113	-	-	-	-	-
C93120	-	-	-	-	-
C93127	-	-	-	-	-
C93135	-	-	-	-	-
C93143	-	-	-	-	-
C93155	-	-	-	-	-
C93162	-	-	-	-	-
C93169	-	-	-	-	-
C93178	-	-	-	-	-

Appendix 5

Individual Clinical Hematology Data

Males Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295				
C92505	8.48	15.6	46.3	54.5	18.3	33.6	1112
C92510	8.86	15.8	46.0	52.0	17.8	34.3	1185
C92512	8.77	16.3	48.4	55.2	18.6	33.6	965
C92525	8.82	15.2	45.3	51.4	17.3	33.6	1414
C92537	8.32	15.0	43.7	52.5	18.1	34.4	1325
C92543	8.18	14.8	42.8	52.3	18.0	34.4	1130
C92545	8.90	15.6	45.8	51.5	17.5	34.0	1040
C92563	8.51	15.8	46.2	54.3	18.6	34.3	1318
C92567	9.20	16.2	47.8	52.0	17.6	33.8	1464
C92570	9.81	16.6	49.1	50.1	16.9	33.8	1394
MEAN	8.78	15.7	46.1	52.6	17.9	34.0	1235
S.D.	.471	.58	1.96	1.60	.56	.34	171.4
N	10	10	10	10	10	10	10
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295				
C92577	9.24	16.2	48.0	52.0	17.6	33.8	1197
C92583	8.48	15.2	44.8	52.8	18.0	34.0	1249
C92585	7.82	13.7	41.3	52.9	17.6	33.2	1262
C92586	9.59	15.7	47.2	49.2	16.4	33.3	1294
C92588	8.58	15.3	45.7	53.3	17.8	33.4	1483
C92590	8.83	15.2	44.9	50.8	17.2	33.7	1291
C92601	8.11	15.0	43.9	54.1	18.5	34.1	1003
C92602	9.84	16.8	49.4	50.3	17.1	34.0	1139
C92617	9.11	15.8	46.8	51.3	17.4	33.8	1360
C92630	8.83	16.1	47.6	53.9	18.2	33.7	1424
MEAN	8.84	15.5	46.0	52.1	17.6	33.7	1270
S.D.	.629	.84	2.34	1.63	.60	.31	138.4
N	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Hematology Data

Males Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295				
C92633	8.78	15.9	46.2	52.6	18.1	34.5	1325
C92644	8.46	14.9	44.2	52.2	17.6	33.8	1313
C92647	8.57	14.8	43.4	50.7	17.3	34.1	1003
C92658	8.56	14.8	43.9	51.3	17.2	33.6	1112
C92660	9.53	16.2	48.5	50.9	17.0	33.4	1219
C92667	8.87	15.7	46.7	52.7	17.8	33.7	1243
C92673	8.96	16.0	47.2	52.6	17.8	33.8	1324
C92679	8.69	15.7	45.9	52.8	18.1	34.3	1384
C92686	8.82	15.7	45.7	51.8	17.8	34.4	1097
C92687	8.92	15.0	44.5	49.9	16.8	33.6	1354
MEAN	8.82	15.5	45.6	51.8	17.5	33.9	1237
S.D.	.301	.54	1.62	1.01	.45	.38	127.7
N	10	10	10	10	10	10	10
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295				
C92696	8.70	15.8	46.1	53.0	18.1	34.2	1227
C92698	9.46	16.6	48.4	51.2	17.5	34.2	1289
C92708	10.00	16.4	49.3	49.2	16.3	33.2	1300
C92709	9.10	16.1	47.5	52.2	17.7	33.9	1176
C92710	8.80	15.1	44.4	50.5	17.1	33.9	1397
C92725	8.63	15.4	45.6	52.8	17.9	33.8	1072
C92743	9.08	16.1	47.2	52.0	17.7	34.1	1303
C92745	9.19	15.4	46.3	50.3	16.7	33.3	1074
C92749	8.53	14.7	43.4	50.9	17.2	33.8	1062
C92750	8.95	16.1	48.1	53.7	17.9	33.4	1269
MEAN	9.04	15.8	46.6	51.6	17.4	33.8	1217
S.D.	.439	.60	1.84	1.40	.58	.36	116.4
N	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Hematology Data

Males Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295				
C92756	8.64	14.8	44.6	51.6	17.2	33.3	1362
C92761	8.64	16.4	47.6	55.1	19.0	34.5	1349
C92764	8.71	15.2	44.5	51.1	17.4	34.1	1367
C92773	9.27	15.2	44.7	48.2	16.4	34.0	1342
C92783	8.59	14.6	44.0	51.3	17.0	33.2	1068
C92788	8.28	14.9	44.6	53.8	18.0	33.4	1021
C92791	8.75	14.6	43.2	49.4	16.7	33.8	1394
C92803	8.46	14.8	44.5	52.6	17.5	33.3	1473
C92804	8.70	14.6	43.9	50.4	16.8	33.3	1087
C92820	8.66	16.0	45.9	53.0	18.5	34.8	1410
MEAN	8.67	15.1	44.7	51.6	17.4	33.8	1287
S.D.	.252	.62	1.22	2.06	.83	.57	162.9
N	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Hematology Data

Males Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295								
C92505	8.0	1.2	5.6	1.0	.1	.1	16	70	13	1	1
C92510	8.9	1.2	6.0	1.3	.3	.0	14	68	15	3	0
C92512	7.4	1.7	4.6	1.0	.1	.1	23	62	14	1	1
C92525	10.6	1.6	7.6	1.2	.2	.1	15	72	11	2	1
C92537	7.6	.8	5.5	1.1	.2	.1	10	72	14	2	1
C92543	5.8	1.2	3.9	.5	.1	.0	21	68	9	2	0
C92545	6.4	1.1	4.3	.9	.1	.0	17	67	14	1	1
C92563	6.7	1.2	4.3	1.1	.1	.1	17	64	16	2	1
C92567	7.6	1.7	4.7	1.0	.3	.0	22	61	13	4	0
C92570	6.2	1.3	4.0	.7	.2	.0	21	64	11	3	1
MEAN	7.5	1.3	5.0	1.0	.2	.0	18	67	13	2	1
S.D.	1.43	.29	1.14	.23	.08	.05	4.1	3.9	2.1	1.0	.5
N	10	10	10	10	10	10	10	10	10	10	10
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295								
C92577	8.5	1.4	6.2	.7	.2	.0	16	72	8	3	0
C92583	7.6	1.6	4.6	1.1	.2	.1	22	61	15	2	1
C92585	6.5	1.4	4.2	.7	.2	.0	22	64	10	3	1
C92586	7.5	1.9	4.6	.8	.2	.0	25	61	11	3	1
C92588	8.7	1.4	6.4	.7	.2	.0	16	73	8	3	0
C92590	8.4	1.1	6.1	1.0	.2	.0	13	73	12	2	1
C92601	11.5	1.7	8.4	1.1	.2	.1	15	73	10	1	1
C92602	6.7	2.0	3.8	.7	.2	.0	29	57	10	3	0
C92617	7.8	1.3	5.2	1.1	.2	.0	16	67	14	3	1
C92630	9.1	1.1	6.7	1.1	.1	.1	12	73	12	2	1
MEAN	8.2	1.5	5.6	.9	.2	.0	19	67	11	2	1
S.D.	1.42	.31	1.40	.19	.03	.05	5.6	6.2	2.3	.7	.5
N	10	10	10	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Hematology Data

Males Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295								
C92633	7.8	1.8	4.9	.9	.2	.0	22	64	11	2	0
C92644	5.8	1.2	3.8	.7	.1	.0	20	66	11	1	1
C92647	8.3	1.1	6.2	.8	.2	.0	13	75	9	2	0
C92658	9.4	2.4	5.5	1.2	.2	.0	26	58	13	3	0
C92660	7.6	1.1	5.5	.7	.1	.1	15	73	9	2	1
C92667	9.4	1.3	6.9	1.0	.2	.0	14	73	10	2	0
C92673	7.4	2.4	3.7	1.2	.2	.0	32	50	16	2	0
C92679	10.2	1.5	7.4	1.1	.2	.0	14	72	11	2	0
C92686	10.6	2.2	6.8	1.2	.3	.0	21	64	12	3	0
C92687	10.1	1.7	6.5	1.5	.3	.1	17	65	14	3	1
MEAN	8.7	1.7	5.7	1.0	.2	.0	19	66	12	2	0
S.D.	1.53	.52	1.28	.26	.07	.04	6.1	7.8	2.2	.6	.5
N	10	10	10	10	10	10	10	10	10	10	10
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295								
C92696	7.6	1.2	5.6	.6	.2	.0	15	74	8	2	0
C92698	8.8	1.7	5.5	1.3	.2	.1	19	62	15	2	1
C92708	10.1	1.7	6.3	1.8	.2	.0	17	62	18	2	0
C92709	6.3	1.5	3.7	.9	.2	.0	24	59	14	2	0
C92710	9.1	2.0	5.7	1.2	.1	.0	23	62	13	2	0
C92725	9.6	2.0	6.3	1.1	.2	.1	20	66	12	2	1
C92743	12.5	1.1	9.9	1.2	.2	.1	9	79	10	1	1
C92745	8.8	1.9	5.3	1.3	.2	.1	21	61	15	2	1
C92749	6.5	1.4	4.1	.9	.1	.0	22	63	13	1	1
C92750	7.1	1.6	4.2	1.2	.1	.1	22	58	17	2	1
MEAN	8.6	1.6	5.7	1.2	.2	.0	19	65	14	2	1
S.D.	1.88	.31	1.74	.32	.05	.05	4.5	6.7	3.0	.4	.5
N	10	10	10	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Hematology Data

Males Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
Group: 5	Dose Level: 20.0			Dosage Unit: ppm T-6295							
C92756	6.4	1.0	4.4	.9	.1	.0	15	69	14	1	0
C92761	12.2	2.1	8.4	1.5	.1	.1	17	69	12	1	1
C92764	7.0	1.6	4.3	.9	.2	.0	22	61	14	2	1
C92773	7.0	1.2	5.0	.6	.2	.0	18	71	8	3	1
C92783	8.5	1.8	5.2	1.3	.1	.0	22	61	15	2	0
C92788	9.9	2.2	6.3	1.2	.1	.0	22	64	12	1	0
C92791	10.3	1.8	7.3	1.0	.1	.1	18	71	10	1	1
C92803	6.8	1.1	4.7	.8	.2	.0	16	70	12	2	0
C92804	9.6	1.4	6.9	1.1	.2	.0	14	72	12	2	0
C92820	9.0	1.3	6.9	.7	.1	.0	14	76	7	1	0
MEAN	8.7	1.6	5.9	1.0	.1	.0	18	68	12	2	0
S.D.	1.88	.42	1.41	.28	.05	.04	3.2	4.9	2.6	.7	.5
N	10	10	10	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Hematology Data

Males Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	ANISO	POLY	POIK	HYPO	TOXNEUT
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295		
C92505	-	-	-	-	-
C92510	-	-	-	-	-
C92512	-	-	-	-	-
C92525	-	-	-	-	-
C92537	-	-	-	-	-
C92543	-	-	-	-	-
C92545	-	-	-	-	-
C92563	-	-	-	-	-
C92567	-	-	-	-	-
C92570	-	-	-	-	-
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295		
C92577	-	-	-	-	-
C92583	-	-	-	-	-
C92585	-	-	-	-	-
C92586	-	-	-	-	-
C92588	-	-	-	-	-
C92590	-	-	-	-	-
C92601	-	-	-	-	-
C92602	-	-	-	-	-
C92617	-	-	-	-	-
C92630	-	-	-	-	-

Appendix 5

Individual Clinical Hematology Data

Males Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	ANISO	POLY	POIK	HYPO	TOXNEUT
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295		
C92633	-	-	-	-	-
C92644	-	-	-	-	-
C92647	-	-	-	-	-
C92658	-	-	-	-	-
C92660	-	-	-	-	-
C92667	-	-	-	-	-
C92673	-	-	-	-	-
C92679	-	-	-	-	-
C92686	-	-	-	-	-
C92687	-	-	-	-	-
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295		
C92696	-	-	-	-	-
C92698	-	-	-	-	-
C92708	-	-	-	-	-
C92709	-	-	-	-	-
C92710	-	-	-	-	-
C92725	-	-	-	-	-
C92743	-	-	-	-	-
C92745	-	-	-	-	-
C92749	-	-	-	-	-
C92750	-	-	-	-	-

Appendix 5

Individual Clinical Hematology Data

Males Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	ANISO	POLY	POIK	HYPO	TOXNEUT
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295		
C92756	-	-	-	-	-
C92761	-	-	-	-	-
C92764	-	-	-	-	-
C92773	-	-	-	-	-
C92783	-	-	-	-	-
C92788	-	-	-	-	-
C92791	-	-	-	-	-
C92803	-	-	-	-	-
C92804	-	-	-	-	-
C92820	-	-	-	-	-

Appendix 5

Individual Clinical Hematology Data

Females Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295				
C92876	7.70	15.0	45.1	58.6	19.5	33.3	1168
C92878	7.02	13.7	40.6	57.8	19.5	33.8	1150
C92888	8.77	16.3	49.8	56.8	18.6	32.8	1102
C92906	6.91	13.3	39.9	57.8	19.2	33.2	841
C92916	7.04	13.6	41.4	58.8	19.3	32.8	1043
C92917	7.40	14.4	41.2	55.6	19.5	35.0	1152
C92921	7.66	14.6	44.2	57.7	19.1	33.1	1057
C92922	7.28	13.8	41.2	56.6	18.9	33.4	828
C92923	7.77	15.3	45.8	58.9	19.7	33.4	1102
C92928	8.04	15.5	45.9	57.1	19.2	33.6	1071
MEAN	7.56	14.6	43.5	57.6	19.2	33.4	1051
S.D.	.563	.97	3.16	1.06	.33	.63	121.7
N	10	10	10	10	10	10	10
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295				
C92932	6.36	14.0	40.9	64.3	22.0	34.2	797
C92935	8.39	15.3	46.1	54.9	18.2	33.2	1158
C92938	8.07	15.0	45.1	55.9	18.6	33.3	1116
C92951	7.82	14.7	43.9	56.2	18.8	33.4	1085
C92954	7.35	14.1	42.4	57.7	19.2	33.3	1001
C92956	8.16	15.0	45.7	56.0	18.4	32.9	1205
C92960	8.28	15.7	47.4	57.2	18.9	33.1	930
C92974	8.47	15.0	45.2	53.4	17.7	33.2	1025
C92979	8.30	15.1	45.5	54.9	18.2	33.2	1201
C92989	8.08	15.2	46.0	57.0	18.9	33.1	1049
MEAN	7.93	14.9	44.8	56.8	18.9	33.3	1057
S.D.	.639	.52	1.92	2.94	1.18	.35	127.0
N	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Hematology Data

Females Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295				
C93003	7.70	14.5	43.6	56.6	18.8	33.2	934
C93004	8.19	15.2	45.5	55.6	18.5	33.3	1154
C93011	8.15	15.7	46.8	57.4	19.2	33.5	1080
C93020	7.79	14.4	43.3	55.6	18.5	33.3	1123
C93027	8.59	16.2	48.9	56.9	18.8	33.1	1119
C93030	7.85	15.7	46.4	59.1	20.0	33.8	979
C93034	7.49	14.4	43.2	57.7	19.3	33.4	1070
C93046	8.22	15.4	45.7	55.6	18.8	33.7	1099
C93047	7.96	14.4	42.9	53.9	18.1	33.6	1163
C93049	8.03	15.0	45.9	57.1	18.7	32.7	1023
MEAN	8.00	15.1	45.2	56.5	18.9	33.4	1074
S.D.	.312	.66	1.94	1.44	.53	.32	75.0
N	10	10	10	10	10	10	10
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295				
C93052	8.61	15.7	47.2	54.9	18.2	33.2	1098
C93055	8.04	15.9	46.4	57.7	19.7	34.2	1065
C93072	8.38	16.1	47.9	57.1	19.1	33.5	1358
C93080	7.74	14.3	43.4	56.1	18.5	33.0	1056
C93081	8.40	15.6	46.9	55.8	18.6	33.3	1240
C93090	7.84	14.4	43.9	56.0	18.4	32.9	1092
C93094	8.61	15.7	48.1	55.8	18.3	32.7	1160
C93095	7.69	14.9	44.8	58.3	19.4	33.3	925
C93103	7.86	15.4	45.6	57.9	19.6	33.8	1013
C93104	8.00	15.4	46.5	58.2	19.3	33.1	944
MEAN	8.12	15.3	46.1	56.8	18.9	33.3	1095
S.D.	.353	.61	1.61	1.20	.57	.44	131.4
N	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Hematology Data

Females Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295				
C93119	7.83	14.8	44.2	56.5	19.0	33.6	1040
C93131	7.52	13.9	41.6	55.4	18.5	33.3	1065
C93133	7.46	14.6	43.2	57.9	19.6	33.9	867
C93138	8.05	14.3	43.0	53.4	17.7	33.2	907
C93149	8.24	15.1	46.1	55.9	18.4	32.9	1229
C93153	7.96	14.6	44.0	55.3	18.4	33.3	1075
C93157	8.04	14.9	43.3	53.8	18.5	34.3	1081
C93160	6.97	13.3	39.7	56.9	19.1	33.6	848
C93162	7.31	14.6	43.7	59.8	20.0	33.5	1278
C93179	7.91	14.7	44.1	55.7	18.6	33.3	1233
MEAN	7.73	14.5	43.3	56.1	18.8	33.5	1062
S.D.	.398	.53	1.70	1.87	.66	.39	153.7
N	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Hematology Data

Females Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295								
C92876	5.2	1.1	3.4	.5	.1	.0	22	66	10	2	0
C92878	5.5	2.0	3.0	.5	.1	.0	36	53	9	2	0
C92888	6.0	.4	4.8	.7	.1	.0	7	79	11	2	0
C92906	5.1	.9	3.8	.3	.1	.0	17	74	7	2	1
C92916	6.9	.9	5.1	.5	.4	.0	12	74	7	6	0
C92917	5.0	.4	3.8	.6	.1	.0	9	75	13	2	0
C92921	5.0	.6	3.8	.5	.2	.0	12	75	10	3	0
C92922	5.1	.3	4.4	.3	.1	.0	6	87	6	2	0
C92923	6.8	1.5	4.0	1.2	.1	.1	22	59	17	1	1
C92928	4.8	.7	3.7	.4	.1	.0	14	76	8	2	0
MEAN	5.5	.9	4.0	.6	.1	.0	16	72	10	2	0
S.D.	.77	.54	.63	.26	.10	.03	9.1	9.9	3.3	1.3	.4
N	10	10	10	10	10	10	10	10	10	10	10
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295								
C92932	19.3	4.4	13.2	1.3	.2	.1	23	69	7	1	0
C92935	3.3	.4	2.4	.4	.1	.0	11	74	13	2	0
C92938	6.2	.4	5.4	.4	.1	.0	6	87	6	1	0
C92951	2.8	.6	2.1	.1	.1	.0	21	73	4	2	0
C92954	7.6	1.2	5.8	.5	.2	.0	15	76	7	2	0
C92956	3.2	.4	2.6	.2	.1	.0	11	82	5	2	0
C92960	5.8	.8	4.5	.5	.1	.0	13	77	8	2	0
C92974	5.0	.5	4.1	.4	.1	.0	9	81	8	1	0
C92979	5.1	.8	3.6	.6	.1	.0	15	70	12	3	1
C92989	8.6	1.5	6.6	.3	.2	.0	18	77	3	2	0
MEAN	6.7	1.1	5.0	.5	.1	.0	14	77	7	2	0
S.D.	4.82	1.22	3.24	.33	.05	.03	5.3	5.6	3.2	.6	.3
N	10	10	10	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Hematology Data

Females Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295								
C93003	6.9	1.0	5.3	.4	.1	.0	15	77	6	1	0
C93004	5.7	1.1	3.7	.8	.1	.0	19	65	14	1	0
C93011	4.7	.5	3.9	.2	.1	.0	10	84	4	2	0
C93020	5.6	.7	4.5	.3	.1	.0	12	80	6	1	0
C93027	4.8	.7	3.6	.3	.2	.0	15	75	6	4	0
C93030	5.3	.7	4.0	.5	.1	.0	12	75	10	3	0
C93034	3.2	.5	2.5	.2	.1	.0	15	78	5	2	0
C93046	4.0	.8	2.8	.3	.1	.0	20	70	8	2	0
C93047	4.6	.8	3.3	.4	.1	.0	16	72	9	2	0
C93049	3.1	.5	2.0	.4	.1	.0	17	66	13	4	0
MEAN	4.8	.7	3.6	.4	.1	.0	15	74	8	2	0
S.D.	1.17	.21	.97	.18	.03	.00	3.1	6.0	3.4	1.1	.0
N	10	10	10	10	10	10	10	10	10	10	10
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295								
C93052	7.7	.9	5.8	.7	.2	.0	12	76	9	2	0
C93055	5.4	.7	4.1	.4	.1	.0	13	77	8	1	0
C93072	5.2	.7	4.1	.3	.2	.0	13	78	6	3	0
C93080	5.2	.7	3.8	.6	.1	.0	13	73	12	1	1
C93081	5.5	.5	4.6	.3	.1	.0	10	84	5	1	0
C93090	10.5	1.3	8.6	.4	.2	.0	12	82	4	2	0
C93094	4.6	.6	3.7	.3	.1	.0	13	79	6	2	0
C93095	3.9	1.0	2.6	.2	.1	.0	26	66	6	2	0
C93103	7.7	.7	6.3	.6	.1	.0	8	82	7	2	1
C93104	5.6	.9	3.6	1.0	.1	.0	16	65	17	2	0
MEAN	6.1	.8	4.7	.5	.1	.0	14	76	8	2	0
S.D.	1.95	.23	1.74	.24	.05	.00	4.8	6.5	3.9	.6	.4
N	10	10	10	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Hematology Data

Females Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295								
C93119	3.4	.5	2.6	.3	.1	.0	15	74	8	3	0
C93131	6.6	1.2	4.5	.6	.2	.0	19	69	9	3	1
C93133	5.0	.6	4.0	.3	.1	.0	13	80	6	1	0
C93138	5.6	.5	4.7	.2	.1	.0	9	84	4	2	0
C93149	6.2	.8	5.2	.1	.1	.0	13	84	1	2	0
C93153	8.2	1.1	6.2	.6	.2	.0	13	76	8	3	1
C93157	8.0	1.1	6.5	.3	.1	.0	13	82	4	1	0
C93160	6.3	2.3	3.3	.6	.1	.0	37	52	9	2	0
C93162	3.5	.8	2.2	.4	.1	.0	22	62	12	4	1
C93179	5.8	.5	4.8	.4	.1	.0	8	83	8	1	0
MEAN	5.9	.9	4.4	.4	.1	.0	16	75	7	2	0
S.D.	1.61	.55	1.41	.18	.04	.00	8.4	10.7	3.2	1.0	.5
N	10	10	10	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Hematology Data

Females Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	ANISO	POLY	POIK	HYPO	TOXNEUT
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295		
C92876	-	-	-	-	-
C92878	-	-	-	-	-
C92888	-	-	-	-	-
C92906	-	-	-	-	-
C92916	-	-	-	-	-
C92917	-	-	-	-	-
C92921	-	-	-	-	-
C92922	-	-	-	-	-
C92923	-	-	-	-	-
C92928	-	-	-	-	-
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295		
C92932	-	-	-	-	-
C92935	-	-	-	-	-
C92938	-	-	-	-	-
C92951	-	-	-	-	-
C92954	-	-	-	-	-
C92956	-	-	-	-	-
C92960	-	-	-	-	-
C92974	-	-	-	-	-
C92979	-	-	-	-	-
C92989	-	-	-	-	-

Appendix 5

Individual Clinical Hematology Data

Females Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	ANISO	POLY	POIK	HYPO	TOXNEUT
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295		
C93003	-	-	-	-	-
C93004	-	-	-	-	-
C93011	-	-	-	-	-
C93020	-	-	-	-	-
C93027	-	-	-	-	-
C93030	-	-	-	-	-
C93034	-	-	-	-	-
C93046	-	-	-	-	-
C93047	-	-	-	-	-
C93049	-	-	-	-	-
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295		
C93052	-	-	-	-	-
C93055	-	-	-	-	-
C93072	-	-	-	-	-
C93080	-	-	-	-	-
C93081	-	-	-	-	-
C93090	-	-	-	-	-
C93094	-	-	-	-	-
C93095	-	-	-	-	-
C93103	-	-	-	-	-
C93104	-	-	-	-	-

Appendix 5

Individual Clinical Hematology Data

Females Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	ANISO	POLY	POIK	HYPO	TOXNEUT
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295		
C93119	-	-	-	-	-
C93131	-	-	-	-	-
C93133	-	-	-	-	-
C93138	-	-	-	-	-
C93149	-	-	-	-	-
C93153	-	-	-	-	-
C93157	-	-	-	-	-
C93160	-	-	-	-	-
C93162	-	-	-	-	-
C93179	-	-	-	-	-

Appendix 5

Individual Clinical Hematology Data

Males Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295				
C92501	8.22	15.5	43.4	52.8	18.9	35.8	1161
C92504	8.32	15.3	43.8	52.6	18.4	35.0	971
C92507	8.64	16.0	44.0	50.9	18.5	36.3	1103
C92512	8.24	15.6	44.1	53.5	19.0	35.5	919
C92517	7.98	15.6	43.5	54.5	19.5	35.8	1206
C92523	7.77	13.7	38.5	49.6	17.6	35.6	1194
C92534	8.55	15.9	45.4	53.1	18.6	35.1	1234
C92540	8.39	15.8	44.3	52.8	18.9	35.8	890
C92562	8.59	16.2	45.9	53.5	18.9	35.4	1056
C92570	8.58	15.2	42.5	49.5	17.7	35.7	1388
MEAN	8.33	15.5	43.5	52.3	18.6	35.6	1112
S.D.	.286	.70	2.02	1.70	.59	.38	155.9
N	10	10	10	10	10	10	10
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295				
C92573	8.44	15.4	43.6	51.7	18.3	35.3	992
C92587	8.55	14.9	43.7	51.1	17.5	34.2	1414
C92592	8.73	15.4	45.0	51.5	17.7	34.3	924
C92596	8.20	15.3	43.5	53.1	18.6	35.1	1049
C92604	8.70	15.3	43.7	50.2	17.6	35.0	887
C92612	8.34	15.0	42.5	50.9	18.0	35.4	1038
C92614	8.04	15.1	42.6	53.0	18.8	35.4	1124
C92624	8.27	15.6	43.7	52.8	18.8	35.6	955
C92625	8.03	15.1	42.4	52.7	18.8	35.6	1292
C92629	8.04	15.2	43.5	54.2	19.0	35.0	915
MEAN	8.33	15.2	43.4	52.1	18.3	35.1	1059
S.D.	.266	.21	.77	1.23	.57	.49	172.9
N	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Hematology Data

Males Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295				
C92634	8.23	14.2	41.4	50.3	17.3	34.4	913
C92635	8.01	15.8	44.7	55.8	19.8	35.5	830
C92643	8.26	15.2	43.0	52.0	18.4	35.4	944
C92649	8.32	14.8	42.3	50.8	17.8	35.1	938
C92653	8.25	14.9	42.2	51.1	18.0	35.2	1127
C92654	7.89	14.1	40.1	50.9	17.9	35.1	952
C92667	8.26	15.5	43.8	53.0	18.8	35.4	1053
C92669	8.16	15.6	44.2	54.2	19.1	35.3	838
C92680	7.40	14.0	40.0	54.0	18.9	34.9	963
C92686	8.35	15.0	43.5	52.1	18.0	34.6	752
MEAN	8.11	14.9	42.5	52.4	18.4	35.1	931
S.D.	.288	.64	1.63	1.79	.75	.36	108.6
N	10	10	10	10	10	10	10
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295				
C92694	8.47	15.2	43.3	51.1	17.9	35.0	832
C92704	7.88	14.8	42.2	53.6	18.8	35.1	1037
C92710	8.59	14.7	42.6	49.5	17.2	34.7	1199
C92711	8.36	14.7	42.5	50.8	17.6	34.6	1062
C92727	9.14	15.7	45.5	49.7	17.2	34.6	1001
C92729	7.29	14.7	42.2	57.8	20.2	35.0	900
C92739	8.88	15.2	45.5	51.3	17.1	33.4	1124
C92741	8.65	15.6	44.0	50.9	18.0	35.3	910
C92742	8.81	15.9	46.4	52.6	18.0	34.3	964
C92748	8.20	15.1	42.8	52.2	18.5	35.4	1078
MEAN	8.43	15.2	43.7	52.0	18.0	34.7	1011
S.D.	.536	.45	1.56	2.41	.94	.58	111.9
N	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Hematology Data

Males Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295				
C92751	7.98	14.3	40.3	50.5	17.9	35.3	1011
C92754	8.70	15.6	43.1	49.6	18.0	36.2	1367
C92755	8.74	15.9	44.0	50.3	18.1	36.0	1367
C92778	8.14	14.3	40.6	49.9	17.6	35.3	1378
C92790	8.46	15.2	43.3	51.2	17.9	35.0	1231
C92795	8.28	14.3	40.5	48.9	17.3	35.4	1186
C92796	7.85	13.9	38.8	49.5	17.7	35.7	1246
C92817	7.81	14.8	42.4	54.2	19.0	35.0	1114
C92820	8.60	15.5	42.6	49.5	18.0	36.3	1271
MEAN	8.28	14.9	41.7	50.4	17.9	35.6	1241
S.D.	.360	.71	1.74	1.58	.47	.49	124.3
N	9	9	9	9	9	9	9

Appendix 5

Individual Clinical Hematology Data

Males Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295								
C92501	6.1	1.8	3.1	1.0	.1	.0	29	52	17	1	1
C92504	6.7	3.2	2.8	.6	.1	.0	47	42	9	2	0
C92507	6.6	1.3	4.4	.8	.1	.0	19	66	12	1	1
C92512	6.3	2.2	3.0	1.1	.1	.0	34	47	17	1	0
C92517	4.6	.8	3.0	.7	.1	.0	18	65	14	3	0
C92523	9.1	2.3	5.7	1.0	.2	.0	25	62	11	2	0
C92534	8.6	3.4	3.8	1.3	.2	.0	39	43	15	2	0
C92540	7.0	3.9	2.4	.6	.1	.0	56	34	8	2	0
C92562	7.6	2.6	3.9	1.0	.1	.0	34	52	13	2	0
C92570	8.2	2.9	3.8	1.3	.2	.0	36	47	16	2	0
MEAN	7.1	2.4	3.6	.9	.1	.0	34	51	13	2	0
S.D.	1.33	.96	.96	.26	.05	.00	11.9	10.6	3.2	.6	.4
N	10	10	10	10	10	10	10	10	10	10	10
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295								
C92573	7.1	1.8	4.1	1.0	.1	.0	25	58	14	2	0
C92587	10.2	2.3	6.4	1.3	.2	.0	22	63	13	2	0
C92592	9.4	1.9	6.0	1.3	.1	.0	20	64	14	1	1
C92596	5.2	1.4	3.2	.5	.0	.0	27	62	10	1	0
C92604	6.7	1.5	4.1	1.0	.1	.0	22	61	15	2	0
C92612	8.0	1.3	5.6	.9	.2	.0	16	70	12	2	0
C92614	6.2	1.4	3.6	1.1	.1	.0	22	58	17	2	0
C92624	8.3	1.7	5.6	.9	.1	.0	20	68	11	1	0
C92625	9.6	1.9	5.7	1.7	.2	.1	20	59	18	3	1
C92629	7.8	1.8	4.9	1.0	.1	.0	22	63	13	1	0
MEAN	7.8	1.7	4.9	1.1	.1	.0	22	63	14	2	0
S.D.	1.59	.31	1.10	.32	.06	.03	3.0	4.0	2.5	.7	.4
N	10	10	10	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Hematology Data

Males Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295								
C92634	7.6	2.0	4.6	.9	.1	.0	26	61	11	1	0
C92635	7.1	1.3	4.8	.9	.1	.0	18	67	13	1	0
C92643	16.6	6.7	7.2	2.6	.1	.1	40	43	15	1	0
C92649	7.4	1.6	5.7	.0	.1	.0	21	77	0	1	0
C92653	9.0	1.5	6.1	1.2	.1	.0	16	68	14	1	0
C92654	6.7	1.8	3.7	1.0	.2	.0	26	55	16	2	0
C92667	8.8	1.1	6.8	.7	.1	.0	12	78	8	1	0
C92669	6.3	1.6	3.8	.8	.1	.0	25	61	12	2	0
C92680	7.4	1.5	4.9	.9	.1	.0	20	66	12	1	0
C92686	9.1	1.8	6.1	1.1	.2	.0	20	67	12	2	0
MEAN	8.6	2.1	5.4	1.0	.1	.0	22	64	11	1	0
S.D.	2.97	1.64	1.20	.65	.04	.03	7.6	10.2	4.5	.5	.0
N	10	10	10	10	10	10	10	10	10	10	10
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295								
C92694	9.2	2.3	5.4	1.3	.2	.0	25	58	14	2	0
C92704	8.5	1.6	6.0	.8	.1	.0	19	70	10	1	0
C92710	6.8	2.1	4.1	.5	.1	.0	31	60	7	2	0
C92711	6.9	1.6	4.4	.7	.1	.0	23	64	11	2	0
C92727	9.0	2.2	5.3	1.3	.2	.0	25	58	14	2	0
C92729	7.4	1.7	4.8	.7	.1	.0	23	66	9	2	0
C92739	11.7	3.9	6.2	1.5	.1	.0	33	52	13	1	0
C92741	10.5	1.2	8.4	.7	.1	.0	11	80	7	1	0
C92742	8.4	1.7	5.6	.9	.1	.0	21	67	11	1	0
C92748	7.0	1.9	4.1	.8	.1	.0	27	59	12	2	0
MEAN	8.5	2.0	5.4	.9	.1	.0	24	63	11	2	0
S.D.	1.63	.74	1.28	.33	.04	.00	6.2	7.9	2.6	.5	.0
N	10	10	10	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Hematology Data

Males Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
Group: 5	Dose Level: 20.0			Dosage Unit: ppm T-6295							
C92751	7.9	1.5	6.3	.0	.1	.0	19	80	0	1	0
C92754	10.5	6.3	2.6	1.4	.1	.1	60	25	13	1	1
C92755	7.8	1.8	4.7	1.1	.2	.0	24	60	14	2	0
C92778	7.4	2.4	3.8	1.0	.1	.0	32	52	14	1	0
C92790	4.7	1.0	3.0	.5	.1	.0	22	64	12	2	0
C92795	6.8	1.8	4.0	.8	.1	.0	27	59	12	2	0
C92796	6.6	2.4	3.0	1.2	.1	.0	36	45	18	1	0
C92817	8.6	2.1	5.5	.8	.1	.0	25	64	10	2	0
C92820	5.0	1.3	2.9	.7	.1	.0	26	58	14	2	0
MEAN	7.3	2.3	4.0	.8	.1	.0	30	56	12	2	0
S.D.	1.78	1.58	1.29	.42	.03	.03	12.3	15.1	5.0	.5	.3
N	9	9	9	9	9	9	9	9	9	9	9

Appendix 5

Individual Clinical Hematology Data

Males Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	ANISO	POLY	POIK	HYPO	TOXNEUT
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295		
C92501	-	-	-	-	-
C92504	-	-	-	-	-
C92507	-	-	-	-	-
C92512	-	-	-	-	-
C92517	-	-	-	-	-
C92523	-	-	-	-	-
C92534	-	-	-	-	-
C92540	-	-	-	-	-
C92562	-	-	-	-	-
C92570	-	-	-	-	-
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295		
C92573	-	-	-	-	-
C92587	-	-	-	-	-
C92592	-	-	-	-	-
C92596	-	-	-	-	-
C92604	-	-	-	-	-
C92612	-	-	-	-	-
C92614	-	-	-	-	-
C92624	-	-	-	-	-
C92625	-	-	-	-	-
C92629	-	-	-	-	-

Appendix 5

Individual Clinical Hematology Data

Males Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	ANISO	POLY	POIK	HYPO	TOXNEUT
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295		
C92634	-	-	-	-	-
C92635	-	-	-	-	-
C92643	-	-	-	-	-
C92649	-	-	-	-	-
C92653	-	-	-	-	-
C92654	-	-	-	-	-
C92667	-	-	-	-	-
C92669	-	-	-	-	-
C92680	-	-	-	-	-
C92686	-	-	-	-	-
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295		
C92694	-	-	-	-	-
C92704	-	-	-	-	-
C92710	-	-	-	-	-
C92711	-	-	-	-	-
C92727	-	-	-	-	-
C92729	-	-	-	-	-
C92739	-	-	-	-	-
C92741	-	-	-	-	-
C92742	-	-	-	-	-
C92748	-	-	-	-	-

Appendix 5

Individual Clinical Hematology Data

Males Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	ANISO	POLY	POIK	HYPO	TOXNEUT
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295		
C92751	-	-	-	-	-
C92754	-	-	-	-	-
C92755	-	-	-	-	-
C92778	-	-	-	-	-
C92790	-	-	-	-	-
C92795	-	-	-	-	-
C92796	-	-	-	-	-
C92817	-	-	-	-	-
C92820	-	-	-	-	-

Appendix 5

Individual Clinical Hematology Data

Females Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295				
C92862	8.39	16.3	44.6	53.2	19.4	36.5	1127
C92876	7.33	14.5	40.6	55.4	19.7	35.6	995
C92889	7.40	14.3	40.3	54.5	19.3	35.5	888
C92894	7.72	14.6	41.0	53.2	18.9	35.5	1055
C92899	7.01	13.9	39.0	55.6	19.9	35.7	1010
C92910	7.77	14.9	41.9	54.0	19.1	35.4	988
C92917	7.24	14.6	40.9	56.6	20.2	35.7	1146
C92922	7.40	13.9	38.9	52.6	18.7	35.6	947
C92923	6.99	13.9	39.2	56.0	19.9	35.5	992
C92930	6.66	13.7	38.3	57.6	20.6	35.7	941
MEAN	7.39	14.5	40.5	54.9	19.6	35.7	1009
S.D.	.485	.76	1.84	1.64	.60	.31	80.9
N	10	10	10	10	10	10	10
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295				
C92931	6.83	14.2	40.1	58.8	20.8	35.4	874
C92938	7.47	13.9	40.4	54.1	18.5	34.3	1010
C92946	8.40	16.4	48.0	57.1	19.5	34.2	907
C92952	6.79	13.3	38.3	56.3	19.6	34.9	1068
C92954	7.18	14.1	40.1	55.8	19.6	35.1	806
C92958	8.28	15.5	44.3	53.5	18.7	34.9	845
C92964	6.23	12.9	37.5	60.2	20.8	34.5	1012
C92972	6.61	13.9	39.7	60.1	21.1	35.0	758
C92985	7.25	13.6	39.5	54.4	18.8	34.5	938
C92990	7.53	14.5	42.3	56.2	19.2	34.2	858
MEAN	7.26	14.2	41.0	56.6	19.7	34.7	908
S.D.	.695	1.04	3.11	2.40	.94	.42	99.0
N	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Hematology Data

Females Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295				
C92992	6.95	14.5	41.2	59.2	20.9	35.2	858
C92997	7.11	14.2	41.7	58.6	20.0	34.2	940
C93012	6.18	13.1	37.4	60.5	21.2	35.1	799
C93022	7.83	14.8	42.3	54.0	19.0	35.1	724
C93027	7.97	14.8	43.1	54.1	18.6	34.4	896
C93029	7.28	14.2	40.8	56.0	19.5	34.9	946
C93032	7.35	14.8	41.4	56.3	20.1	35.7	850
C93042	6.87	13.5	38.2	55.5	19.6	35.3	659
C93046	7.62	14.6	42.0	55.1	19.2	34.9	847
C93048	7.97	14.9	43.1	54.1	18.6	34.5	988
MEAN	7.31	14.3	41.1	56.3	19.7	34.9	851
S.D.	.566	.61	1.91	2.32	.89	.45	101.9
N	10	10	10	10	10	10	10
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295				
C93052	7.84	14.4	41.6	53.0	18.3	34.6	799
C93054	7.92	14.7	42.6	53.8	18.5	34.4	828
C93060	7.05	14.2	40.7	57.7	20.1	34.9	842
C93078	7.08	13.7	39.9	56.4	19.4	34.3	788
C93081	8.06	15.2	44.1	54.7	18.8	34.4	1042
C93083	6.87	14.5	41.0	59.7	21.1	35.4	787
C93091	7.24	14.1	40.5	56.0	19.5	34.9	883
C93095	7.27	14.3	41.4	56.9	19.7	34.6	741
C93097	7.33	14.3	41.8	57.0	19.5	34.1	774
C93110	6.58	13.1	37.5	57.0	20.0	35.1	888
MEAN	7.32	14.2	41.1	56.2	19.5	34.7	837
S.D.	.479	.56	1.73	1.96	.83	.40	85.9
N	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Hematology Data

Females Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	RBC $X10^6/\mu L$	HGB G/DL	HCT %	MCV FL	MCH PG	MCHC %	PLT $X10^3/\mu L$
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295				
C93112	6.23	12.0	33.9	54.5	19.2	35.3	1029
C93116	7.17	14.3	40.2	56.1	20.0	35.6	819
C93117	7.17	13.6	38.3	53.4	18.9	35.4	1053
C93120	5.39	10.5	29.9	55.4	19.4	35.0	1058
C93130	7.58	14.7	41.0	54.1	19.4	35.9	1077
C93138	7.64	14.1	39.8	52.0	18.5	35.5	849
C93147	8.64	16.6	46.8	54.2	19.2	35.4	1142
C93154	6.68	12.4	35.3	52.8	18.6	35.2	1083
C93163	7.34	13.9	38.9	53.0	18.9	35.7	1158
C93171	6.66	13.1	36.5	54.7	19.6	35.9	964
MEAN	7.05	13.5	38.1	54.0	19.2	35.5	1023
S.D.	.881	1.66	4.56	1.25	.46	.29	113.7
N	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Hematology Data

Females Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295								
C92862	3.1	1.4	1.2	.4	.1	.0	46	39	13	2	0
C92876	3.6	1.0	2.2	.4	.1	.0	27	60	11	2	0
C92889	4.7	2.4	1.9	.4	.1	.0	50	41	7	2	0
C92894	3.5	1.0	1.8	.5	.1	.0	30	52	13	4	0
C92899	5.6	2.5	2.3	.8	.1	.0	44	41	14	2	0
C92910	3.1	.9	1.6	.5	.1	.0	29	52	16	2	0
C92917	2.1	.6	1.1	.3	.1	.0	30	50	16	3	0
C92922	3.0	.8	1.8	.3	.1	.0	28	60	9	3	0
C92923	4.7	1.5	2.6	.5	.1	.0	32	55	10	2	0
C92930	8.1	4.4	2.9	.7	.1	.0	55	36	8	1	0
MEAN	4.2	1.6	1.9	.5	.1	.0	37	49	12	2	0
S.D.	1.72	1.16	.57	.16	.00	.00	10.5	8.8	3.2	.8	.0
N	10	10	10	10	10	10	10	10	10	10	10
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295								
C92931	4.3	.8	2.7	.8	.1	.0	18	62	18	2	0
C92938	3.9	.8	2.5	.6	.1	.0	20	62	15	2	0
C92946	7.9	1.4	5.8	.6	.1	.0	18	73	8	2	0
C92952	3.5	.9	2.0	.5	.0	.0	26	57	14	1	0
C92954	5.4	1.5	3.2	.5	.1	.0	28	60	10	2	0
C92958	4.6	1.0	2.6	.9	.1	.0	22	56	19	2	1
C92964	5.2	1.1	3.6	.4	.1	.0	21	69	7	3	0
C92972	2.5	.8	1.4	.3	.1	.0	30	54	12	4	0
C92985	3.5	.6	2.4	.4	.1	.0	16	69	12	3	0
C92990	6.0	1.1	4.4	.3	.1	.0	19	74	5	2	0
MEAN	4.7	1.0	3.1	.5	.1	.0	22	64	12	2	0
S.D.	1.53	.28	1.27	.20	.03	.00	4.7	7.2	4.6	.8	.3
N	10	10	10	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Hematology Data

Females Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295								
C92992	5.2	2.1	2.3	.7	.1	.0	40	43	14	3	0
C92997	6.1	2.4	2.9	.6	.1	.0	40	48	10	2	0
C93012	7.4	1.6	5.0	.7	.2	.0	21	68	9	2	0
C93022	5.0	.9	3.5	.4	.1	.0	19	70	9	2	0
C93027	5.3	1.4	3.4	.4	.1	.0	26	64	8	3	0
C93029	4.7	1.2	2.7	.7	.2	.0	25	57	15	4	0
C93032	4.8	1.0	3.2	.5	.1	.0	21	66	10	2	0
C93042	6.7	2.0	3.9	.6	.2	.0	31	58	9	3	0
C93046	2.8	.9	1.6	.2	.1	.0	31	59	7	3	0
C93048	4.4	1.2	2.5	.5	.1	.0	28	58	11	2	0
MEAN	5.2	1.5	3.1	.5	.1	.0	28	59	10	3	0
S.D.	1.28	.54	.94	.16	.05	.00	7.4	8.6	2.5	.7	.0
N	10	10	10	10	10	10	10	10	10	10	10
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295								
C93052	6.6	2.2	3.6	.6	.1	.0	34	55	9	2	0
C93054	4.8	1.0	3.0	.7	.1	.0	21	62	14	3	1
C93060	3.6	.9	2.4	.3	.0	.0	26	66	7	1	0
C93078	3.8	1.0	2.0	.6	.1	.0	27	53	16	3	0
C93081	3.8	.6	2.6	.4	.1	.0	16	70	11	3	0
C93083	2.5	.4	1.8	.2	.0	.0	16	74	8	2	0
C93091	5.4	1.2	3.3	.8	.1	.0	22	60	16	2	0
C93095	4.0	1.2	2.3	.5	.1	.0	29	57	13	2	0
C93097	2.7	.9	1.3	.4	.1	.0	34	48	14	3	0
C93110	5.2	2.1	2.7	.3	.1	.0	41	53	5	1	0
MEAN	4.2	1.2	2.5	.5	.1	.0	27	60	11	2	0
S.D.	1.27	.58	.70	.19	.04	.00	8.2	8.2	3.9	.8	.3
N	10	10	10	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Hematology Data

Females Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	WBC $X10^3/\mu L$	N-SEG $X10^3/\mu L$	LYMPH $X10^3/\mu L$	MONO $X10^3/\mu L$	EOSIN $X10^3/\mu L$	BASO $X10^3/\mu L$	N-SEG%	LYMPH%	MONO%	EOSIN%	BASO%
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295								
C93112	4.6	2.0	2.0	.4	.1	.0	44	45	9	1	0
C93116	3.0	.9	1.8	.3	.1	.0	29	59	9	3	0
C93117	4.5	1.2	2.5	.6	.1	.0	27	56	14	2	0
C93120	9.9	6.6	2.3	.9	.1	.0	66	24	9	1	0
C93130	3.2	.6	2.1	.4	.1	.0	19	66	12	3	0
C93138	2.9	.5	2.1	.3	.1	.0	16	73	9	3	0
C93147	5.8	.6	4.8	.3	.1	.0	11	82	5	2	0
C93154	8.3	4.1	3.1	1.0	.1	.0	49	37	12	1	1
C93163	6.6	2.6	3.1	.8	.2	.0	39	46	12	2	0
C93171	4.9	2.2	2.0	.4	.2	.0	44	42	9	4	1
MEAN	5.4	2.1	2.6	.5	.1	.0	34	53	10	2	0
S.D.	2.33	1.94	.90	.27	.04	.00	17.1	17.6	2.5	1.0	.4
N	10	10	10	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Hematology Data

Females Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	ANISO	POLY	POIK	HYPO	TOXNEUT
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295		
C92862	-	-	-	-	-
C92876	-	-	-	-	-
C92889	-	-	-	-	-
C92894	-	-	-	-	-
C92899	-	-	-	-	-
C92910	-	-	-	-	-
C92917	-	-	-	-	-
C92922	-	-	-	-	-
C92923	-	-	-	-	-
C92930	-	-	-	-	-
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295		
C92931	-	-	-	-	-
C92938	-	-	-	-	-
C92946	-	-	-	-	-
C92952	-	-	-	-	-
C92954	-	-	-	-	-
C92958	-	-	-	-	-
C92964	-	-	-	-	-
C92972	-	-	-	-	-
C92985	-	-	-	-	-
C92990	-	-	-	-	-

Appendix 5

Individual Clinical Hematology Data

Females Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	ANISO	POLY	POIK	HYPO	TOXNEUT
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295		
C92992	-	-	-	-	-
C92997	-	-	-	-	-
C93012	-	-	-	-	-
C93022	-	-	-	-	-
C93027	-	-	-	-	-
C93029	-	-	-	-	-
C93032	-	-	-	-	-
C93042	-	-	-	-	-
C93046	-	-	-	-	-
C93048	-	-	-	-	-
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295		
C93052	-	-	-	-	-
C93054	-	-	-	-	-
C93060	-	-	-	-	-
C93078	-	-	-	-	-
C93081	-	-	-	-	-
C93083	-	-	-	-	-
C93091	-	-	-	-	-
C93095	-	-	-	-	-
C93097	-	-	-	-	-
C93110	-	-	-	-	-

Appendix 5

Individual Clinical Hematology Data

Females Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	ANISO	POLY	POIK	HYPO	TOXNEUT
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295		
C93112	-	-	-	-	-
C93116	-	-	-	-	-
C93117	-	-	-	-	-
C93120	-	-	-	-	-
C93130	-	-	-	-	-
C93138	-	-	-	-	-
C93147	-	-	-	-	-
C93154	-	-	-	-	-
C93163	-	-	-	-	-
C93171	-	-	-	-	-

Appendix 5

Individual Clinical Chemistry Data

Males Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295					
C92505	88	13	.6	5.5	4.2	1.3	.1	45
C92506	114	11	.7	5.9	3.8	2.1	.0	46
C92524	104	12	.7	6.8	4.5	2.3	.1	52
C92526	113	14	.6	6.2	4.5	1.7	.0	39
C92529	93	13	.5	6.1	4.5	1.6	.0	47
C92542	92	10	.7	5.9	4.3	1.6	.1	53
C92543	96	11	.5	6.3	4.5	1.8	.3	51
C92546	95	13	.8	6.9	4.8	2.1	.1	62
C92548	98	11	.4	6.0	4.5	1.5	.1	54
C92553	76	12	.2	5.9	4.4	1.5	.1	43
MEAN	97	12	.6	6.2	4.4	1.8	.1	49
S.D.	11.4	1.2	.18	.43	.26	.32	.09	6.6
N	10	10	10	10	10	10	10	10
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295					
C92573	98	10	.7	6.1	4.4	1.7	.2	47
C92574	97	12	.6	6.7	4.7	2.0	.1	36
C92575	91	16	.7	6.6	4.1	2.5	.0	54
C92585	91	14	.7	5.9	4.1	1.8	.2	48
C92586	93	13	.6	6.2	4.6	1.6	.0	42
C92587	104	12	.6	6.1	4.6	1.5	.2	48
C92610	91	12	.6	6.6	4.8	1.8	.0	56
C92613	105	12	.6	6.6	4.8	1.8	.1	53
C92615	98	12	.6	6.2	4.8	1.4	.2	57
C92618	99	10	.5	6.9	4.9	2.0	.0	47
MEAN	97	12	.6	6.4	4.6	1.8	.1	49
S.D.	5.2	1.8	.06	.33	.29	.31	.09	6.5
N	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Chemistry Data

Males Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295					
C92632	93	11	.5	5.9	4.4	1.5	.1	56
C92646	103	11	.7	6.5	4.9	1.6	.1	51
C92650	82	10	.6	6.6	5.0	1.6	.2	39
C92652	98	12	.7	6.3	4.7	1.6	.1	47
C92657	89	12	.9	5.8	4.5	1.3	.2	44
C92668	108	13	.7	6.2	4.3	1.9	.1	45
C92676	93	13	.5	5.7	4.2	1.5	.0	25
C92678	70	14	.5	6.0	4.3	1.7	.0	38
C92684	91	14	.4	5.8	4.3	1.5	.0	50
C92686	85	12	.6	5.7	4.2	1.5	.2	44
MEAN	91	12	.6	6.0	4.5	1.6	.1	44
S.D.	10.8	1.3	.14	.33	.29	.16	.08	8.6
N	10	10	10	10	10	10	10	10
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295					
C92709	87	15	.6	6.5	4.7	1.8	.1	67
C92715	105	13	.7	6.8	4.9	1.9	.1	53
C92716	92	12	.5	6.2	4.6	1.6	.1	36
C92718	95	16	.7	6.5	4.8	1.7	.0	35
C92725	78	13	.6	5.9	4.5	1.4	.0	55
C92731	92	13	.5	6.3	4.7	1.6	.0	22
C92732	86	10	.6	5.9	4.4	1.5	.0	35
C92734	108	10	.7	6.1	4.3	1.8	.0	53
C92744	95	10	.8	6.5	4.8	1.7	.0	70
C92746	99	13	.7	6.3	4.5	1.8	.1	52
MEAN	94	12	.6	6.3	4.6	1.7	.0	48
S.D.	8.9	2.1	.10	.29	.19	.15	.05	15.3
N	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Chemistry Data

Males Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295					
C92752	91	15	.5	6.5	4.9	1.6	.1	41
C92759	89	14	.6	6.4	4.8	1.6	.1	21
C92779	74	13	.6	6.6	4.7	1.9	.0	58
C92784	79	13	.6	6.3	4.6	1.7	.0	60
C92793	83	11	.3	6.0	4.5	1.5	.0	44
C92798	82	11	.5	6.4	4.6	1.8	.1	60
C92799	88	15	.5	6.3	4.6	1.7	.1	27
C92805	83	14	.5	5.9	4.3	1.6	.3	36
C92807	85	15	.7	6.2	4.4	1.8	.1	50
C92811	81	13	.7	6.0	4.5	1.5	.0	51
MEAN	84	13	.6	6.3	4.6	1.7	.1	45
S.D.	5.0	1.5	.12	.23	.18	.13	.09	13.7
N	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Chemistry Data

Males Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295					
C92505	107	33	0	10.3	9.3	148	5.5	105
C92506	104	26	1	11.0	10.4	150	7.1	106
C92524	104	31	1	10.9	10.5	147	6.5	103
C92526	72	31	2	11.1	10.2	145	6.4	101
C92529	153	37	0	10.3	9.7	147	6.0	102
C92542	157	27	1	10.7	10.5	146	5.7	104
C92543	122	36	4	10.4	9.5	148	6.5	104
C92546	125	30	0	11.5	10.5	150	7.7	105
C92548	146	32	0	10.3	9.1	146	5.7	104
C92553	134	31	0	10.7	9.9	148	6.0	104
MEAN	122	31	1	10.7	10.0	148	6.3	104
S.D.	26.4	3.4	1.3	.41	.54	1.6	.69	1.5
N	10	10	10	10	10	10	10	10
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295					
C92573	135	29	0	10.4	8.9	146	5.5	103
C92574	133	27	0	10.8	10.2	147	6.4	105
C92575	161	35	1	10.7	10.0	149	6.8	105
C92585	135	29	0	10.5	9.3	145	6.7	102
C92586	121	34	0	10.5	9.1	146	6.4	104
C92587	148	28	0	10.5	8.7	146	6.2	102
C92610	177	32	2	11.0	10.5	147	6.4	104
C92613	110	35	0	11.4	10.0	148	6.3	104
C92615	130	41	0	10.6	9.0	147	5.6	103
C92618	207	33	0	10.9	9.6	149	6.4	104
MEAN	146	32	0	10.7	9.5	147	6.3	104
S.D.	28.9	4.2	.7	.31	.62	1.3	.42	1.1
N	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Chemistry Data

Males Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295					
C92632	119	28	0	10.8	9.6	148	5.5	104
C92646	94	24	0	10.8	11.0	149	7.5	103
C92650	115	30	0	10.7	10.2	148	6.6	105
C92652	79	22	0	11.4	10.3	148	6.0	106
C92657	119	40	0	10.1	9.8	145	5.4	103
C92668	64	28	4	10.9	10.1	149	6.6	105
C92676	89	23	0	10.2	10.1	148	6.6	106
C92678	103	30	1	10.5	10.2	146	5.6	105
C92684	124	32	4	10.2	9.7	148	6.5	105
C92686	137	28	1	10.3	10.1	146	5.3	104
MEAN	104	28	1	10.6	10.1	148	6.2	105
S.D.	22.6	5.2	1.6	.41	.39	1.4	.71	1.1
N	10	10	10	10	10	10	10	10
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295					
C92709	110	31	2	11.1	10.1	146	6.0	99
C92715	83	28	0	11.1	9.7	147	6.0	104
C92716	114	29	0	10.9	10.2	146	5.1	101
C92718	126	36	1	10.6	10.0	147	6.5	104
C92725	142	36	0	10.6	9.6	146	5.8	102
C92731	106	28	0	10.6	9.1	150	6.4	107
C92732	137	31	0	10.6	9.5	145	6.0	103
C92734	104	24	1	11.2	10.7	147	7.2	105
C92744	116	27	0	11.3	10.5	148	7.0	103
C92746	107	30	0	10.7	8.7	146	5.7	104
MEAN	114	30	0	10.9	9.8	147	6.2	103
S.D.	17.2	3.8	.7	.28	.62	1.4	.62	2.2
N	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Chemistry Data

Males Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295					
C92752	122	30	1	10.5	10.1	150	6.6	104
C92759	170	33	0	10.2	8.5	146	6.0	103
C92779	121	35	0	10.6	9.9	147	6.2	104
C92784	143	33	4	10.9	9.7	146	5.4	102
C92793	95	33	0	10.2	9.6	146	5.1	102
C92798	118	28	0	11.2	10.7	148	7.0	104
C92799	145	38	0	10.9	10.4	149	6.5	103
C92805	137	33	1	10.6	9.5	148	5.6	105
C92807	129	29	0	10.7	9.6	149	6.3	103
C92811	133	34	0	10.5	9.9	147	5.9	103
MEAN	131	33	1	10.6	9.8	148	6.1	103
S.D.	19.9	3.0	1.3	.31	.59	1.4	.58	.9
N	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Chemistry Data

Females Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295					
C92861	110	12	.5	6.8	5.2	1.6	.3	54
C92864	115	12	.7	6.9	5.3	1.6	.0	89
C92876	105	14	.7	6.9	5.2	1.7	.2	79
C92877	111	12	.7	7.0	5.1	1.9	.0	74
C92882	106	14	.6	7.1	5.0	2.1	.1	87
C92883	127	14	.8	7.1	5.2	1.9	.0	76
C92914	118	16	.5	6.7	5.0	1.7	.1	75
C92919	123	14	.7	7.1	5.2	1.9	.2	66
C92925	111	17	.7	6.9	5.2	1.7	.1	58
C92926	112	13	.7	6.8	5.0	1.8	.1	65
MEAN	114	14	.7	6.9	5.1	1.8	.1	72
S.D.	7.1	1.7	.10	.14	.11	.16	.10	11.5
N	10	10	10	10	10	10	10	10
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295					
C92941	112	15	.9	7.0	5.1	1.9	.1	82
C92945	102	13	.7	6.9	4.8	2.1	.0	65
C92950	102	12	.7	7.0	4.8	2.2	.0	85
C92953	116	15	.8	6.6	4.9	1.7	.1	80
C92959	123	14	.6	6.7	5.2	1.5	.0	27
C92964	116	15	.8	7.0	5.4	1.6	.1	49
C92968	106	16	.8	6.8	5.1	1.7	.2	124
C92969	107	11	.7	6.6	5.0	1.6	.0	58
C92976	118	11	.8	6.7	5.1	1.6	.0	68
C92982	111	12	.9	6.8	5.0	1.8	.0	58
MEAN	111	13	.8	6.8	5.0	1.8	.0	70
S.D.	7.0	1.8	.09	.16	.18	.23	.07	25.8
N	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Chemistry Data

Females Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295					
C92993	106	13	.7	6.8	5.0	1.8	.2	75
C92996	107	16	.7	6.6	4.9	1.7	.0	41
C92998	143	15	.9	7.0	5.1	1.9	.0	60
C93004	149	16	.7	7.0	5.1	1.9	.0	61
C93006	99	12	.7	6.5	5.0	1.5	.1	32
C93008	101	13	.7	7.6	5.8	1.8	.1	86
C93023	109	15	.9	6.8	5.0	1.8	.0	45
C93031	98	12	.5	6.3	5.0	1.3	.1	79
C93033	109	17	.8	6.4	4.6	1.8	.0	73
C93045	109	13	.9	7.1	5.4	1.7	.0	55
MEAN	113	14	.8	6.8	5.1	1.7	.0	61
S.D.	17.9	1.8	.13	.39	.32	.19	.07	17.7
N	10	10	10	10	10	10	10	10
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295					
C93058	126	10	.8	7.3	5.2	2.1	.0	54
C93067	114	12	.9	7.6	5.7	1.9	.1	59
C93070	105	12	.7	6.8	5.1	1.7	.0	49
C93074	125	14	.7	6.9	5.2	1.7	.0	82
C93075	105	13	.7	7.1	5.1	2.0	.1	42
C93083	110	12	.7	7.6	5.9	1.7	.0	78
C93084	92	14	.6	7.1	5.1	2.0	.0	58
C93089	102	13	.7	7.2	5.3	1.9	.0	53
C93094	115	13	.8	6.8	5.1	1.7	.0	68
C93105	98	13	.7	6.5	4.9	1.6	.0	35
MEAN	109	13	.7	7.1	5.3	1.8	.0	58
S.D.	11.0	1.2	.08	.35	.31	.17	.04	14.8
N	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Chemistry Data

Females Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295					
C93114	111	15	.8	7.4	5.4	2.0	.1	38
C93123	116	13	.6	7.0	5.2	1.8	.0	52
C93142	113	16	.6	7.2	5.4	1.8	.0	50
C93144	113	14	.8	6.5	5.0	1.5	.1	52
C93151	100	12	.6	6.3	4.9	1.4	.3	65
C93155	105	14	.6	6.6	5.1	1.5	.0	54
C93158	100	11	.6	7.0	5.3	1.7	.0	38
C93159	97	14	.6	6.5	5.0	1.5	.0	64
C93164	118	13	.8	6.8	5.1	1.7	.0	59
C93175	100	17	.6	7.0	5.4	1.6	.0	70
MEAN	107	14	.7	6.8	5.2	1.6	.0	54
S.D.	7.7	1.8	.10	.35	.19	.18	.10	10.7
N	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Chemistry Data

Females Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
Group: 1 Dose Level: 0			Dosage Unit: ppm T-6295					
C92861	148	28	0	10.6	8.3	146	6.0	106
C92864	143	27	0	10.4	7.7	145	5.2	104
C92876	121	29	0	10.9	8.2	146	6.1	102
C92877	99	40	1	10.5	7.6	145	5.3	105
C92882	108	33	1	10.6	7.3	144	5.5	104
C92883	104	28	2	11.1	8.6	146	6.6	103
C92914	143	29	0	10.9	10.5	147	6.2	105
C92919	96	38	0	11.1	8.8	145	5.9	104
C92925	93	36	0	11.2	8.8	144	6.0	104
C92926	177	36	0	10.2	8.8	146	6.1	106
MEAN	123	32	0	10.8	8.5	145	5.9	104
S.D.	28.2	4.8	.7	.34	.90	1.0	.43	1.3
N	10	10	10	10	10	10	10	10
Group: 2 Dose Level: 0.5			Dosage Unit: ppm T-6295					
C92941	199	34	0	10.4	8.3	144	5.3	104
C92945	172	44	4	10.3	8.4	146	5.9	105
C92950	124	30	2	10.6	9.1	146	6.3	104
C92953	120	32	0	10.5	8.0	146	6.0	104
C92959	99	23	1	10.5	6.7	145	5.8	105
C92964	104	26	0	11.2	7.1	145	6.1	103
C92968	103	27	0	11.0	9.2	145	6.7	103
C92969	106	31	2	10.3	10.1	147	6.8	105
C92976	86	30	2	10.9	7.8	145	6.5	104
C92982	86	30	0	10.5	9.1	145	6.0	106
MEAN	120	31	1	10.6	8.4	145	6.1	104
S.D.	37.2	5.6	1.4	.31	1.03	.8	.45	.9
N	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Chemistry Data

Females Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295					
C92993	96	31	5	11.1	8.8	145	6.2	104
C92996	96	19	1	10.5	10.4	147	6.1	105
C92998	115	34	0	10.6	7.1	147	6.6	105
C93004	86	24	0	10.2	7.2	146	5.8	105
C93006	104	25	4	10.4	8.9	148	6.7	107
C93008	124	28	4	11.4	9.4	149	7.2	105
C93023	94	31	1	10.9	8.4	147	6.1	104
C93031	85	26	4	10.5	8.5	147	5.5	107
C93033	104	36	0	10.4	7.1	145	5.7	106
C93045	104	36	1	10.9	9.0	148	6.1	107
MEAN	101	29	2	10.7	8.5	147	6.2	106
S.D.	12.2	5.6	2.0	.37	1.08	1.3	.51	1.2
N	10	10	10	10	10	10	10	10
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295					
C93058	158	30	4	10.2	7.0	146	5.6	103
C93067	92	33	1	10.8	7.5	150	6.2	105
C93070	98	41	2	10.6	8.5	147	6.4	107
C93074	114	37	1	10.8	7.3	146	5.5	104
C93075	143	24	1	10.4	9.6	150	6.1	107
C93083	78	26	0	11.5	7.7	145	6.2	104
C93084	110	33	3	10.9	8.9	148	6.7	105
C93089	114	35	1	10.8	7.1	146	5.8	105
C93094	97	29	0	10.9	7.8	145	6.5	103
C93105	120	33	2	10.5	8.0	143	5.7	103
MEAN	112	32	2	10.7	7.9	147	6.1	105
S.D.	23.9	5.1	1.3	.35	.83	2.2	.41	1.5
N	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Chemistry Data

Females Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295					
C93114	100	30	0	10.7	11.1	150	6.2	107
C93123	129	48	0	10.3	6.4	147	5.6	105
C93142	76	36	0	10.6	6.9	146	5.2	105
C93144	90	26	0	10.9	10.0	148	7.2	105
C93151	83	39	0	10.6	8.0	144	5.9	106
C93155	73	25	2	10.6	7.8	145	5.7	105
C93158	86	31	3	10.6	7.9	145	6.0	104
C93159	92	31	0	10.3	8.0	145	5.9	105
C93164	91	31	1	10.6	6.7	146	5.6	104
C93175	103	26	0	11.1	8.7	145	6.5	103
MEAN	92	32	1	10.6	8.2	146	6.0	105
S.D.	16.0	7.1	1.1	.24	1.47	1.8	.56	1.1
N	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Chemistry Data

Males Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	PCOAO IU/G
Group: 1 Dose Level: 0	Dosage Unit: ppm T-6295
C92506	11
C92524	8
C92526	12
C92529	8
C92546	7
MEAN	9
S.D.	2.2
N	5
Group: 2 Dose Level: 0.5	Dosage Unit: ppm T-6295
C92574	8
C92575	12
C92610	10
C92613	10
C92618	6
MEAN	9
S.D.	2.3
N	5
Group: 3 Dose Level: 2.0	Dosage Unit: ppm T-6295
C92646	7
C92650	3
C92652	4
C92668	12
C92678	11
MEAN	7
S.D.	4.0
N	5

Appendix 5

Individual Clinical Chemistry Data

Males Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	PCOAO IU/G
Group: 4 Dose Level: 5.0 Dosage Unit: ppm T-6295	
C92715	9
C92718	7
C92731	7
C92734	8
C92744	8
MEAN	8
S.D.	.8
N	5
Group: 5 Dose Level: 20.0 Dosage Unit: ppm T-6295	
C92752	4
C92759	6
C92779	6
C92793	8
C92798	6
MEAN	6
S.D.	1.4
N	5

Appendix 5

Individual Clinical Chemistry Data

Females Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	PCOAO IU/G
Group: 1 Dose Level: 0	Dosage Unit: ppm T-6295
C92861	4
C92864	4
C92914	5
C92919	7
C92926	3
MEAN	5
S.D.	1.5
N	5
Group: 2 Dose Level: 0.5	Dosage Unit: ppm T-6295
C92941	5
C92945	4
C92950	6
C92969	6
C92982	7
MEAN	6
S.D.	1.1
N	5
Group: 3 Dose Level: 2.0	Dosage Unit: ppm T-6295
C92996	3
C93006	1
C93008	3
C93031	5
C93045	1
MEAN	3
S.D.	1.7
N	5

Appendix 5

Individual Clinical Chemistry Data

Females Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	PCOAO IU/G
Group: 4 Dose Level: 5.0 Dosage Unit: ppm T-6295	
C93058	4
C93067	2
C93070	1
C93075	2
C93084	2
MEAN	2
S.D.	1.1
N	5
Group: 5 Dose Level: 20.0 Dosage Unit: ppm T-6295	
C93114	4
C93123	3
C93142	5
C93144	4
C93159	6
MEAN	4
S.D.	1.1
N	5

Appendix 5

Individual Clinical Chemistry Data

Males Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295					
C92508	106	10	.4	6.7	4.5	2.2	.0	66
C92509	108	12	.6	6.9	4.8	2.1	.0	56
C92511	91	11	.4	7.2	5.2	2.0	.0	64
C92521	108	14	.7	7.1	5.1	2.0	.1	47
C92527	103	11	.3	6.6	4.8	1.8	.3	53
C92528	101	12	.4	7.4	5.2	2.2	.1	80
C92532	109	14	.6	7.6	5.0	2.6	.2	74
C92535	97	16	.4	6.6	4.5	2.1	.1	42
C92537	101	14	.3	6.5	5.0	1.5	.6	81
C92562	92	13	.3	6.4	4.7	1.7	.2	68
MEAN	102	13	.4	6.9	4.9	2.0	.2	63
S.D.	6.5	1.8	.14	.41	.26	.30	.18	13.4
N	10	10	10	10	10	10	10	10
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295					
C92583	92	14	.6	7.2	5.0	2.2	.3	52
C92593	117	17	.8	7.4	5.4	2.0	.0	52
C92598	116	12	.6	7.2	4.9	2.3	.2	65
C92600	87	14	.6	7.2	5.1	2.1	.3	51
C92612	108	15	.3	6.9	4.9	2.0	.2	40
C92616	99	14	.7	6.6	5.1	1.5	.1	33
C92621	117	13	.6	7.1	5.0	2.1	.0	91
C92624	104	11	.6	6.7	5.0	1.7	.0	41
C92627	101	14	.5	7.1	4.9	2.2	.0	42
C92629	118	13	.4	6.3	4.6	1.7	.4	60
MEAN	106	14	.6	7.0	5.0	2.0	.2	53
S.D.	11.2	1.6	.14	.34	.20	.26	.15	16.6
N	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Chemistry Data

Males Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295					
C92636	99	12	.4	6.7	4.6	2.1	.3	65
C92640	73	16	.6	6.6	4.7	1.9	.0	40
C92644	99	17	.4	6.3	4.5	1.8	.3	32
C92645	99	13	.5	7.4	5.0	2.4	.0	76
C92651	106	13	.6	7.2	4.8	2.4	.1	50
C92661	99	11	.4	6.5	4.6	1.9	.2	66
C92662	79	14	.6	6.6	4.9	1.7	.2	50
C92676	65	14	.7	6.4	4.7	1.7	.0	34
C92682	94	13	.5	6.7	4.7	2.0	.1	42
C92684	99	11	.5	6.8	4.9	1.9	.0	51
MEAN	91	13	.5	6.7	4.7	2.0	.1	51
S.D.	13.7	2.0	.10	.34	.16	.25	.12	14.5
N	10	10	10	10	10	10	10	10
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295					
C92711	105	18	.4	6.7	4.7	2.0	.2	48
C92713	105	14	.8	8.0	5.5	2.5	.1	52
C92714	89	14	.6	6.9	4.9	2.0	.1	53
C92716	110	13	.6	6.7	4.8	1.9	.5	58
C92719	84	14	.5	6.8	4.7	2.1	.2	59
C92722	90	14	.6	6.9	4.9	2.0	.4	70
C92726	107	15	.5	6.8	4.7	2.1	.1	53
C92728	98	14	.4	7.6	5.3	2.3	.0	50
C92741	98	13	.5	6.5	4.6	1.9	.3	63
C92748	106	14	.6	7.2	4.9	2.3	.3	63
MEAN	99	14	.6	7.0	4.9	2.1	.2	57
S.D.	8.9	1.4	.12	.46	.29	.20	.15	6.9
N	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Chemistry Data

Males Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295					
C92754	100	19	.6	6.4	4.5	1.9	.2	41
C92765	85	17	.8	6.8	4.9	1.9	.0	39
C92767	105	14	.5	7.0	4.8	2.2	.3	27
C92774	95	16	.5	6.5	4.7	1.8	.0	37
C92777	74	16	.7	6.9	5.1	1.8	.0	30
C92784	91	15	.6	7.2	5.0	2.2	.3	45
C92789	96	18	.6	6.9	4.9	2.0	.1	18
C92799	111	17	.7	7.4	5.1	2.3	.0	29
C92812	96	16	.6	7.4	5.3	2.1	.1	66
C92820	98	14	.2	6.8	4.7	2.1	.3	37
MEAN	95	16	.6	6.9	4.9	2.0	.1	37
S.D.	10.3	1.6	.16	.34	.24	.18	.13	12.9
N	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Chemistry Data

Males Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
Group: 1 Dose Level: 0			Dosage Unit: ppm T-6295					
C92508	116	31	1	10.1	7.3	147	6.7	106
C92509	73	36	1	11.1	8.4	147	6.2	106
C92511	149	33	0	10.6	7.5	145	6.1	103
C92521	128	33	0	10.5	7.4	146	6.3	107
C92527	122	28	4	10.2	8.1	146	6.1	104
C92528	83	37	0	10.7	7.1	146	6.6	105
C92532	110	49	0	10.4	6.3	145	5.5	104
C92535	89	37	4	10.4	7.5	146	5.7	105
C92537	125	28	1	10.5	7.8	146	6.3	106
C92562	116	46	1	10.4	7.7	146	6.0	104
MEAN	111	36	1	10.5	7.5	146	6.2	105
S.D.	23.1	7.0	1.5	.28	.57	.7	.37	1.2
N	10	10	10	10	10	10	10	10
Group: 2 Dose Level: 0.5			Dosage Unit: ppm T-6295					
C92583	123	40	1	10.4	7.9	145	6.5	102
C92593	115	48	1	11.0	8.5	154	7.3	108
C92598	92	34	1	11.0	8.3	147	6.6	102
C92600	104	40	0	10.6	8.9	146	6.6	103
C92612	122	51	1	10.2	7.6	146	6.4	104
C92616	114	43	2	10.6	7.2	146	6.3	107
C92621	140	32	0	10.5	7.0	146	6.4	105
C92624	102	36	1	10.1	7.4	146	6.3	105
C92627	131	48	0	10.5	7.1	146	6.2	106
C92629	77	39	0	10.4	7.6	145	6.2	104
MEAN	112	41	1	10.5	7.8	147	6.5	105
S.D.	18.8	6.3	.7	.29	.64	2.6	.32	2.0
N	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Chemistry Data

Males Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295					
C92636	118	42	0	10.5	7.9	146	7.0	104
C92640	153	37	0	10.6	8.2	146	6.2	102
C92644	141	39	3	10.3	8.5	147	6.9	103
C92645	121	33	3	10.6	7.8	147	7.1	103
C92651	89	44	1	10.5	7.6	147	6.7	105
C92661	112	36	0	10.3	7.3	146	6.0	106
C92662	142	47	0	10.5	7.9	147	5.8	105
C92676	130	39	0	10.0	8.7	147	6.1	104
C92682	109	46	2	10.6	7.3	146	6.1	105
C92684	151	45	0	10.2	6.5	152	6.3	110
MEAN	127	41	1	10.4	7.8	147	6.4	105
S.D.	20.5	4.7	1.3	.20	.64	1.8	.46	2.2
N	10	10	10	10	10	10	10	10
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295					
C92711	117	38	2	10.4	7.7	146	6.3	104
C92713	130	47	0	11.0	7.1	153	6.5	108
C92714	145	34	0	10.6	7.8	146	6.0	101
C92716	104	29	0	10.4	7.5	144	5.5	104
C92719	124	43	0	10.5	8.3	146	6.3	104
C92722	147	71	0	10.3	7.1	147	5.7	103
C92726	143	34	1	10.2	7.0	144	5.9	102
C92728	141	62	0	10.9	8.4	150	6.7	102
C92741	134	46	1	10.0	7.2	145	6.1	102
C92748	109	32	5	10.3	6.7	147	5.9	105
MEAN	129	44	1	10.5	7.5	147	6.1	104
S.D.	15.4	13.6	1.6	.31	.57	2.8	.37	2.0
N	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Chemistry Data

Males Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295					
C92754	113	67	0	10.2	8.1	145	6.1	102
C92765	293	213	0	10.6	8.1	147	6.2	104
C92767	100	57	5	10.7	7.8	144	6.4	104
C92774	111	37	1	10.6	8.3	147	7.0	103
C92777	140	40	0	10.1	7.1	147	5.9	105
C92784	79	38	0	10.5	7.3	145	5.6	104
C92789	108	57	0	10.4	6.8	147	6.7	105
C92799	131	52	0	10.7	7.9	147	6.3	102
C92812	117	44	0	10.8	8.0	145	6.4	102
C92820	88	46	0	10.6	8.7	148	7.4	106
MEAN	128	65	1	10.5	7.8	146	6.4	104
S.D.	60.7	52.9	1.6	.23	.58	1.3	.52	1.4
N	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Chemistry Data

Females Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295					
C92863	109	14	.7	7.6	5.5	2.1	.0	89
C92865	108	16	.5	7.4	5.2	2.2	.3	63
C92871	113	16	.8	8.4	5.8	2.6	.0	63
C92880	112	13	.6	7.5	5.4	2.1	.0	56
C92887	112	14	.6	8.0	5.9	2.1	.2	72
C92898	113	14	.5	7.3	5.3	2.0	.1	107
C92903	94	16	.8	7.3	5.3	2.0	.0	83
C92905	77	15	.7	7.7	5.5	2.2	.1	72
C92906	103	19	.5	7.6	5.8	1.8	.6	70
C92927	117	16	.6	7.7	5.8	1.9	.1	71
MEAN	106	15	.6	7.6	5.6	2.1	.1	75
S.D.	12.0	1.7	.12	.34	.25	.22	.19	14.9
N	10	10	10	10	10	10	10	10
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295					
C92935	107	13	.6	8.4	6.5	1.9	.1	81
C92940	113	15	.8	8.1	5.9	2.2	.4	69
C92944	88	15	.6	7.8	5.7	2.1	.1	65
C92948	106	17	.8	8.2	5.8	2.4	.2	101
C92956	109	9	.4	8.0	6.2	1.8	.3	63
C92962	112	21	.7	7.5	5.7	1.8	.4	74
C92967	110	15	.6	8.4	6.5	1.9	.0	80
C92978	92	12	.5	8.6	6.6	2.0	.1	98
C92986	117	15	.7	8.2	6.0	2.2	.2	94
C92987	105	16	.6	9.0	7.0	2.0	.3	155
MEAN	106	15	.6	8.2	6.2	2.0	.2	88
S.D.	9.1	3.2	.13	.42	.44	.19	.14	27.1
N	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Chemistry Data

Females Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295					
C92992	106	14	.7	7.8	5.7	2.1	.2	71
C92993	101	15	.7	7.7	5.8	1.9	.2	63
C93000	105	15	.8	7.8	5.7	2.1	.0	63
C93018	109	14	.8	7.8	6.1	1.7	.1	113
C93019	108	16	.7	7.9	6.2	1.7	.1	106
C93023	109	14	.7	7.5	5.5	2.0	.0	68
C93024	122	19	1.0	8.3	6.2	2.1	.1	98
C93026	113	18	.9	8.5	6.1	2.4	.0	131
C93030	108	16	.6	7.7	5.8	1.9	.1	71
C93035	103	11	.9	8.1	5.9	2.2	.0	88
MEAN	108	15	.8	7.9	5.9	2.0	.1	87
S.D.	5.9	2.3	.12	.30	.24	.22	.08	23.9
N	10	10	10	10	10	10	10	10
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295					
C93051	85	19	.7	8.0	5.9	2.1	.1	54
C93064	103	15	.8	8.7	6.4	2.3	.1	76
C93071	87	16	.5	8.0	6.3	1.7	.2	94
C93076	96	12	.6	7.8	5.3	2.5	.1	71
C93078	92	14	.3	7.4	5.2	2.2	.5	82
C93085	85	17	.6	7.8	6.0	1.8	.1	47
C93089	105	13	.7	8.6	6.1	2.5	.2	62
C93090	108	14	.6	7.4	5.7	1.7	.1	70
C93093	96	16	.5	7.9	5.5	2.4	.2	73
C93109	91	15	.7	8.3	6.3	2.0	.4	70
MEAN	95	15	.6	8.0	5.9	2.1	.2	70
S.D.	8.3	2.0	.14	.44	.43	.31	.14	13.4
N	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Chemistry Data

Females Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295					
C93111	104	14	.6	8.0	6.0	2.0	.0	44
C93113	102	19	.6	7.6	5.9	1.7	.4	67
C93120	92	20	.7	7.9	6.0	1.9	.1	45
C93127	87	15	.6	7.7	5.9	1.8	.2	69
C93135	94	18	.7	8.0	5.9	2.1	.3	76
C93143	104	18	.7	8.6	6.4	2.2	.1	88
C93155	103	18	.6	7.4	5.8	1.6	.2	56
C93162	93	19	.6	8.0	6.0	2.0	.2	73
C93169	102	17	.6	7.9	6.2	1.7	.0	69
C93178	107	23	.7	8.9	6.9	2.0	.4	75
MEAN	99	18	.6	8.0	6.1	1.9	.2	66
S.D.	6.7	2.5	.05	.45	.33	.19	.14	14.0
N	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Chemistry Data

Females Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295					
C92863	89	29	3	11.0	6.3	150	7.0	106
C92865	110	35	2	10.3	5.4	147	5.6	108
C92871	115	36	3	10.7	6.0	149	6.3	106
C92880	100	37	0	10.6	6.4	151	5.8	107
C92887	94	33	0	10.6	4.6	149	5.7	107
C92898	77	31	1	11.7	7.9	146	6.2	107
C92903	133	34	0	10.1	7.4	145	6.0	108
C92905	113	34	0	10.3	6.8	146	5.6	105
C92906	107	36	1	10.7	6.4	146	6.0	107
C92927	88	33	1	10.8	5.8	147	6.3	107
MEAN	103	34	1	10.7	6.3	148	6.0	107
S.D.	16.3	2.4	1.2	.45	.95	2.0	.43	.9
N	10	10	10	10	10	10	10	10
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295					
C92935	87	28	4	11.3	7.4	146	6.9	103
C92940	132	36	0	10.7	7.2	149	6.7	107
C92944	140	32	0	10.4	6.1	146	6.1	105
C92948	113	23	3	11.1	7.9	149	7.4	105
C92956	95	28	1	10.5	4.5	147	5.5	106
C92962	97	35	0	11.0	5.9	149	5.9	108
C92967	108	55	0	11.0	4.0	147	5.9	106
C92978	88	34	1	11.3	6.1	147	5.5	105
C92986	100	43	4	11.3	7.4	153	7.5	108
C92987	113	41	0	12.1	7.1	149	7.1	104
MEAN	107	36	1	11.1	6.4	148	6.4	106
S.D.	17.8	9.1	1.7	.49	1.30	2.1	.76	1.6
N	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Chemistry Data

Females Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295					
C92992	81	31	0	10.6	6.4	148	6.4	106
C92993	100	25	0	10.5	5.3	145	5.5	106
C93000	108	25	0	10.5	6.7	146	5.1	104
C93018	93	40	0	11.3	6.6	147	6.3	103
C93019	174	85	3	11.6	7.4	149	7.0	107
C93023	93	33	0	10.5	5.7	148	6.1	107
C93024	115	40	1	11.1	7.7	155	7.1	107
C93026	93	28	1	11.5	7.6	148	6.8	105
C93030	85	25	4	10.8	6.6	145	6.1	105
C93035	90	35	0	10.7	5.4	145	5.2	104
MEAN	103	37	1	10.9	6.5	148	6.2	105
S.D.	26.9	17.9	1.4	.43	.87	3.0	.71	1.4
N	10	10	10	10	10	10	10	10
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295					
C93051	144	37	0	10.7	8.1	150	6.3	108
C93064	92	37	0	11.3	6.5	150	6.6	108
C93071	105	36	2	10.7	7.4	147	5.2	106
C93076	90	34	5	10.3	6.6	145	6.1	106
C93078	90	26	0	10.4	6.3	148	6.4	108
C93085	91	29	1	10.4	8.2	145	4.6	104
C93089	101	35	1	11.3	6.6	149	6.3	107
C93090	102	37	4	9.8	4.5	146	4.7	106
C93093	100	30	4	10.7	6.5	144	6.1	104
C93109	115	42	0	11.4	5.3	153	5.9	110
MEAN	103	34	2	10.7	6.6	148	5.8	107
S.D.	16.5	4.7	1.9	.51	1.14	2.8	.72	1.9
N	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Chemistry Data

Females Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295					
C93111	66	30	1	11.0	7.1	148	6.2	106
C93113	92	43	0	10.6	6.8	149	6.2	106
C93120	85	33	1	10.4	7.0	146	6.8	106
C93127	79	28	1	10.4	6.1	145	5.1	104
C93135	137	89	4	10.5	6.7	147	5.6	106
C93143	85	40	1	11.2	6.2	153	6.6	110
C93155	77	35	0	10.7	5.5	151	6.2	111
C93162	80	27	0	10.8	7.3	145	5.8	102
C93169	88	31	0	10.7	5.0	148	6.0	110
C93178	115	37	4	11.2	7.2	150	7.0	104
MEAN	90	39	1	10.8	6.5	148	6.2	106
S.D.	20.7	18.2	1.5	.30	.77	2.6	.57	3.0
N	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Chemistry Data

Males Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	PCOAO IU/G
Group: 1 Dose Level: 0	Dosage Unit: ppm T-6295
C92509	4
C92511	6
C92521	3
C92528	6
C92532	4
MEAN	5
S.D.	1.3
N	5
Group: 2 Dose Level: 0.5	Dosage Unit: ppm T-6295
C92593	8
C92600	1
C92616	8
C92621	5
C92627	2
MEAN	5
S.D.	3.3
N	5
Group: 3 Dose Level: 2.0	Dosage Unit: ppm T-6295
C92640	8
C92645	4
C92662	8
C92676	1
C92684	6
MEAN	5
S.D.	3.0
N	5

Appendix 5

Individual Clinical Chemistry Data

Males Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	PCOAO IU/G
Group: 4	Dose Level: 5.0 Dosage Unit: ppm T-6295
C92713	2
C92714	0
C92719	4
C92722	3
C92728	0
MEAN	2
S.D.	1.8
N	5
Group: 5	Dose Level: 20.0 Dosage Unit: ppm T-6295
C92765	4
C92777	3
C92789	8
C92799	6
C92812	6
MEAN	5
S.D.	1.9
N	5

Appendix 5

Individual Clinical Chemistry Data

Females Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	PCOAO IU/G
Group: 1 Dose Level: 0	Dosage Unit: ppm T-6295
C92880	0
C92887	3
C92898	4
C92903	1
C92905	1
MEAN	2
S.D.	1.6
N	5
Group: 2 Dose Level: 0.5	Dosage Unit: ppm T-6295
C92944	2
C92962	4
C92967	6
C92978	0
C92987	1
MEAN	3
S.D.	2.4
N	5
Group: 3 Dose Level: 2.0	Dosage Unit: ppm T-6295
C92993	2
C93000	1
C93018	1
C93023	0
C93035	1
MEAN	1
S.D.	.7
N	5

Appendix 5

Individual Clinical Chemistry Data

Females Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	PCOAO IU/G
Group: 4	Dose Level: 5.0 Dosage Unit: ppm T-6295
C93051	0
C93064	0
C93071	6
C93085	2
C93109	0
MEAN	2
S.D.	2.6
N	5
Group: 5	Dose Level: 20.0 Dosage Unit: ppm T-6295
C93111	5
C93127	7
C93143	6
C93155	0
C93169	7
MEAN	5
S.D.	2.9
N	5

Appendix 5

Individual Clinical Chemistry Data

Males Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295					
C92505	107	16	.6	6.5	4.4	2.1	.2	55
C92510	125	11	.8	6.8	4.6	2.2	.1	70
C92512	119	12	.6	7.8	4.9	2.9	.1	91
C92525	126	16	.7	7.4	4.8	2.6	.3	82
C92537	120	14	.8	7.1	5.3	1.8	.4	110
C92543	105	11	.9	7.3	4.9	2.4	.3	87
C92545	107	10	.7	7.1	4.8	2.3	.2	66
C92563	121	10	.7	7.8	5.1	2.7	.4	131
C92567	108	11	.6	7.7	5.2	2.5	.2	120
C92570	111	11	.8	7.4	4.6	2.8	.1	74
MEAN	115	12	.7	7.3	4.9	2.4	.2	89
S.D.	8.1	2.3	.10	.43	.28	.34	.12	24.7
N	10	10	10	10	10	10	10	10
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295					
C92577	126	15	.7	7.0	4.9	2.1	.3	74
C92583	103	12	.8	7.1	4.8	2.3	.4	63
C92585	125	15	.8	6.6	4.3	2.3	.3	93
C92586	113	10	.6	7.2	5.1	2.1	.3	55
C92588	102	12	.8	6.7	4.4	2.3	.3	86
C92590	131	12	.8	7.2	4.8	2.4	.3	76
C92601	93	11	.7	6.5	4.4	2.1	.2	67
C92602	118	12	.7	7.4	5.1	2.3	.4	50
C92617	141	14	1.1	8.2	5.0	3.2	.3	148
C92630	119	14	.5	7.2	4.6	2.6	.3	129
MEAN	117	13	.8	7.1	4.7	2.4	.3	84
S.D.	14.7	1.7	.16	.48	.30	.33	.06	31.8
N	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Chemistry Data

Males Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295					
C92633	129	13	.9	7.4	4.6	2.8	.2	89
C92644	103	18	.7	6.9	4.7	2.2	.5	44
C92647	115	14	.8	7.2	5.0	2.2	.4	63
C92658	119	12	.7	7.4	4.9	2.5	.6	86
C92660	97	12	.8	7.2	4.7	2.5	.2	70
C92667	136	13	.8	7.5	4.7	2.8	.4	84
C92673	104	10	.6	7.2	4.8	2.4	.5	86
C92679	103	10	.8	6.8	4.7	2.1	.5	65
C92686	110	14	.7	6.9	4.8	2.1	.2	64
C92687	128	12	.7	7.7	5.4	2.3	.2	92
MEAN	114	13	.8	7.2	4.8	2.4	.4	74
S.D.	13.2	2.3	.08	.29	.23	.26	.16	15.5
N	10	10	10	10	10	10	10	10
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295					
C92696	98	14	.8	7.5	5.1	2.4	.3	47
C92698	91	11	.6	7.0	4.7	2.3	.4	47
C92708	113	15	.7	7.6	4.9	2.7	.2	60
C92709	118	10	.5	7.2	4.6	2.6	.1	139
C92710	116	19	1.0	7.2	4.7	2.5	.2	67
C92725	109	15	.8	7.0	4.8	2.2	.1	71
C92743	121	13	.9	8.2	5.5	2.7	.4	81
C92745	124	12	.5	7.5	4.9	2.6	.4	80
C92749	110	14	.7	6.7	4.7	2.0	.3	43
C92750	130	13	.8	7.9	5.2	2.7	.3	89
MEAN	113	14	.7	7.4	4.9	2.5	.3	72
S.D.	11.7	2.5	.16	.45	.28	.24	.12	28.2
N	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Chemistry Data

Males Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295					
C92756	120	17	.7	7.2	4.9	2.3	.1	46
C92761	86	19	1.1	8.1	5.5	2.6	.2	36
C92764	112	19	.6	7.2	4.7	2.5	.2	38
C92773	103	17	.7	7.8	5.2	2.6	.1	28
C92783	117	13	.7	7.8	5.0	2.8	.4	65
C92788	118	16	.9	7.1	4.9	2.2	.1	45
C92791	114	19	.8	7.9	5.5	2.4	.3	61
C92803	114	20	.9	7.5	5.1	2.4	.3	44
C92804	132	16	.9	7.3	5.1	2.2	.3	57
C92820	98	16	.9	7.5	5.1	2.4	.2	43
MEAN	111	17	.8	7.5	5.1	2.4	.2	46
S.D.	12.8	2.1	.15	.34	.25	.19	.10	11.6
N	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Chemistry Data

Males Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
Group: 1 Dose Level: 0			Dosage Unit: ppm T-6295					
C92505	80	33	0	10.6	6.8	146	6.2	105
C92510	61	40	2	10.7	6.8	148	6.7	107
C92512	101	34	0	11.4	6.9	146	7.0	104
C92525	110	43	0	11.1	7.0	145	6.9	101
C92537	74	25	1	11.1	6.9	144	6.7	105
C92543	74	33	2	10.9	6.4	146	6.4	105
C92545	108	40	1	10.7	7.0	147	6.6	104
C92563	75	40	3	11.4	5.9	146	6.7	101
C92567	64	33	4	11.7	6.4	147	6.6	106
C92570	94	46	1	11.2	6.9	146	6.8	103
MEAN	84	37	1	11.1	6.7	146	6.7	104
S.D.	17.8	6.2	1.3	.36	.36	1.1	.23	2.0
N	10	10	10	10	10	10	10	10
Group: 2 Dose Level: 0.5			Dosage Unit: ppm T-6295					
C92577	66	34	0	11.3	7.0	148	6.8	106
C92583	79	42	1	11.0	7.3	145	6.8	104
C92585	85	31	4	10.5	5.8	143	6.7	103
C92586	83	35	4	10.8	6.5	147	7.0	105
C92588	77	41	3	11.1	6.7	146	6.4	105
C92590	80	28	1	10.9	6.6	146	7.0	103
C92601	64	33	0	10.8	7.0	146	6.5	105
C92602	81	43	0	11.4	6.5	149	7.3	107
C92617	81	30	4	12.0	7.7	148	7.8	103
C92630	112	45	3	11.5	7.7	148	8.0	103
MEAN	81	36	2	11.1	6.9	147	7.0	104
S.D.	13.0	6.1	1.8	.43	.59	1.8	.53	1.4
N	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Chemistry Data

Males Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295					
C92633	71	39	1	11.4	7.0	148	7.1	104
C92644	124	37	1	10.8	7.2	149	7.3	107
C92647	70	53	1	11.0	6.7	146	6.3	106
C92658	103	60	1	11.3	7.3	146	7.2	104
C92660	104	44	0	10.9	7.0	147	7.3	103
C92667	65	40	2	11.5	6.7	150	7.1	105
C92673	128	54	1	10.8	6.4	147	6.4	104
C92679	88	42	1	10.9	6.8	144	6.3	102
C92686	88	34	0	10.9	6.8	145	5.8	104
C92687	82	65	0	11.4	6.4	145	6.3	103
MEAN	92	47	1	11.1	6.8	147	6.7	104
S.D.	22.0	10.5	.6	.28	.30	1.9	.54	1.5
N	10	10	10	10	10	10	10	10
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295					
C92696	85	42	1	11.1	6.8	149	6.7	106
C92698	92	36	0	10.8	6.8	148	6.7	104
C92708	89	47	0	11.6	8.3	150	7.5	105
C92709	71	30	1	11.8	6.9	146	7.0	104
C92710	92	41	0	11.0	7.1	147	6.8	106
C92725	82	34	3	11.3	6.6	147	7.0	106
C92743	76	45	4	12.2	8.2	151	7.5	103
C92745	69	34	0	10.9	6.8	146	6.4	102
C92749	83	28	2	10.3	6.6	145	6.0	104
C92750	65	40	1	11.8	6.9	149	7.1	105
MEAN	80	38	1	11.3	7.1	148	6.9	104
S.D.	9.7	6.3	1.4	.57	.62	1.9	.46	1.4
N	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Chemistry Data

Males Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295					
C92756	82	37	2	10.7	7.3	145	6.5	103
C92761	139	64	0	11.7	7.9	149	7.7	105
C92764	127	75	1	11.1	7.7	147	7.5	105
C92773	72	37	0	11.0	6.8	146	6.9	104
C92783	63	38	1	11.6	6.7	145	6.4	105
C92788	233	194	6	10.9	7.6	146	6.5	106
C92791	61	44	0	11.0	5.4	144	6.0	102
C92803	108	83	0	11.6	8.6	152	7.8	107
C92804	62	37	1	11.0	6.6	144	6.2	104
C92820	79	38	3	11.3	8.1	148	7.2	104
MEAN	103	65	1	11.2	7.3	147	6.9	104
S.D.	53.6	48.7	1.9	.34	.92	2.5	.65	1.4
N	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Chemistry Data

Females Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295					
C92876	92	15	1.1	8.8	6.4	2.4	.4	139
C92878	115	12	1.1	8.7	6.4	2.3	.1	82
C92888	101	13	.8	8.9	6.3	2.6	.5	79
C92906	104	15	.7	8.7	6.4	2.3	.2	100
C92916	97	16	1.1	8.3	5.6	2.7	.3	149
C92917	107	14	.9	9.6	6.8	2.8	.3	128
C92921	102	12	.8	8.6	6.1	2.5	.4	129
C92922	114	14	.9	9.3	7.1	2.2	.4	133
C92923	99	14	.9	8.9	6.4	2.5	.4	129
C92928	108	14	.6	9.1	6.8	2.3	.6	86
MEAN	104	14	.9	8.9	6.4	2.5	.4	115
S.D.	7.3	1.3	.17	.37	.41	.20	.14	26.0
N	10	10	10	10	10	10	10	10
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295					
C92932	89	18	1.1	7.9	6.2	1.7	.2	137
C92935	104	12	.6	9.3	7.1	2.2	.4	80
C92938	89	15	1.0	9.0	6.2	2.8	.4	110
C92951	102	17	.9	7.4	5.3	2.1	.3	73
C92954	101	16	.9	7.7	5.4	2.3	.4	92
C92956	106	13	.7	8.9	6.8	2.1	.1	68
C92960	99	16	1.2	8.0	5.8	2.2	.3	82
C92974	93	12	1.1	8.2	5.8	2.4	.3	72
C92979	92	14	.7	8.9	6.6	2.3	.4	87
C92989	101	13	1.1	9.0	6.5	2.5	.3	153
MEAN	98	15	.9	8.4	6.2	2.3	.3	95
S.D.	6.3	2.1	.21	.66	.59	.29	.10	29.0
N	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Chemistry Data

Females Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295					
C93003	99	14	.8	7.7	5.2	2.5	.1	60
C93004	93	15	.9	8.0	5.4	2.6	.5	70
C93011	92	11	1.0	9.0	6.2	2.8	.2	82
C93020	97	14	.9	8.1	5.6	2.5	.4	56
C93027	102	17	1.2	8.4	5.9	2.5	.1	87
C93030	100	18	1.1	9.9	7.2	2.7	.3	94
C93034	108	16	1.1	8.9	6.9	2.0	.4	107
C93046	108	15	1.1	8.5	6.1	2.4	.2	76
C93047	106	14	.9	7.9	5.8	2.1	.2	64
C93049	82	16	.7	7.6	5.4	2.2	.2	89
MEAN	99	15	1.0	8.4	6.0	2.4	.3	78
S.D.	8.2	1.9	.16	.71	.65	.26	.13	16.3
N	10	10	10	10	10	10	10	10
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295					
C93052	112	14	1.1	8.4	6.2	2.2	.1	84
C93055	86	20	.8	8.4	6.3	2.1	.1	63
C93072	99	15	1.1	8.5	6.0	2.5	.2	80
C93080	111	11	.9	8.6	6.2	2.4	.2	86
C93081	89	14	1.0	8.2	5.7	2.5	.3	68
C93090	94	17	.9	8.2	6.1	2.1	.3	76
C93094	96	17	.7	7.9	5.7	2.2	.4	72
C93095	88	14	.7	8.2	6.0	2.2	.2	70
C93103	98	17	.9	7.4	5.4	2.0	.2	95
C93104	112	9	1.0	8.8	5.8	3.0	.6	94
MEAN	98	15	.9	8.3	5.9	2.3	.3	79
S.D.	10.0	3.2	.14	.39	.28	.29	.15	10.9
N	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Chemistry Data

Females Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295					
C93119	100	22	1.0	9.2	6.8	2.4	.5	75
C93131	89	16	.7	9.5	6.5	3.0	.6	90
C93133	89	19	1.0	8.5	6.6	1.9	.4	73
C93138	92	17	.7	8.1	6.0	2.1	.4	55
C93149	94	20	.7	9.0	6.6	2.4	.2	72
C93153	96	21	.9	8.1	6.0	2.1	.4	75
C93157	100	19	.8	8.1	6.0	2.1	.2	70
C93160	104	18	.9	9.0	6.4	2.6	.2	145
C93162	98	26	1.0	9.4	7.1	2.3	.2	70
C93179	81	20	.9	8.4	6.2	2.2	.4	75
MEAN	94	20	.9	8.7	6.4	2.3	.4	80
S.D.	6.8	2.8	.13	.55	.37	.31	.14	24.4
N	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Chemistry Data

Females Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
Group: 1 Dose Level: 0			Dosage Unit: ppm T-6295					
C92876	321	194	3	12.0	7.5	146	6.3	103
C92878	106	49	0	11.2	6.4	148	5.3	109
C92888	113	96	5	12.0	8.1	150	6.9	106
C92906	82	32	4	11.3	5.4	145	4.8	106
C92916	94	36	0	12.1	6.8	149	6.5	104
C92917	84	44	0	12.1	6.0	145	5.5	104
C92921	92	36	1	11.9	7.1	148	6.1	105
C92922	102	49	4	11.4	6.2	147	4.8	104
C92923	107	67	1	11.8	6.6	150	6.2	105
C92928	85	39	0	11.6	6.8	151	6.0	110
MEAN	119	64	2	11.7	6.7	148	5.8	106
S.D.	71.9	49.4	2.0	.34	.77	2.1	.71	2.3
N	10	10	10	10	10	10	10	10
Group: 2 Dose Level: 0.5			Dosage Unit: ppm T-6295					
C92932	128	31	0	12.7	5.7	145	4.9	107
C92935	79	30	1	11.8	6.8	146	6.9	104
C92938	104	30	4	11.7	7.9	152	5.8	106
C92951	97	27	3	10.6	6.4	147	5.5	111
C92954	85	34	1	11.4	6.2	144	5.9	105
C92956	79	34	0	11.9	6.3	147	6.1	105
C92960	97	28	2	11.2	5.8	146	5.9	107
C92974	130	26	1	11.1	7.2	147	6.6	107
C92979	118	54	1	12.7	7.1	145	6.5	105
C92989	102	41	4	11.5	5.6	148	4.8	106
MEAN	102	34	2	11.7	6.5	147	5.9	106
S.D.	18.6	8.4	1.5	.67	.74	2.2	.69	1.9
N	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Chemistry Data

Females Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295					
C93003	100	30	3	10.9	6.9	146	6.1	107
C93004	468	448	6	10.9	8.0	146	5.6	105
C93011	77	30	3	11.4	5.6	148	5.9	107
C93020	97	33	1	10.9	6.0	147	5.3	110
C93027	104	54	1	11.8	7.7	154	7.1	110
C93030	87	32	1	11.9	6.0	148	5.4	107
C93034	130	49	0	11.2	4.8	147	5.1	105
C93046	110	33	4	11.0	6.0	149	5.7	108
C93047	160	29	0	11.0	6.8	147	6.2	107
C93049	93	34	0	10.9	6.5	146	5.9	106
MEAN	143	77	2	11.2	6.4	148	5.8	107
S.D.	116.7	130.6	2.0	.38	.96	2.4	.57	1.8
N	10	10	10	10	10	10	10	10
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295					
C93052	97	28	4	11.9	7.2	151	7.0	112
C93055	105	36	4	11.3	6.4	146	6.1	107
C93072	86	34	3	11.7	6.6	149	6.9	109
C93080	96	46	4	11.0	5.7	148	5.9	108
C93081	104	33	3	11.1	8.2	149	6.2	108
C93090	100	40	4	10.8	6.9	145	5.1	106
C93094	185	115	7	11.4	6.9	145	6.0	106
C93095	85	33	4	11.0	7.2	148	5.9	109
C93103	195	63	4	10.8	5.7	147	5.5	108
C93104	119	42	0	11.3	6.4	147	5.2	105
MEAN	117	47	4	11.2	6.7	148	6.0	108
S.D.	39.6	25.8	1.7	.37	.75	1.9	.63	2.0
N	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Chemistry Data

Females Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295					
C93119	79	36	0	11.3	6.9	150	6.2	107
C93131	167	130	1	12.0	6.7	146	6.0	105
C93133	116	30	0	11.3	8.2	147	5.9	106
C93138	60	24	0	11.1	6.3	145	5.3	105
C93149	97	58	2	11.3	7.0	153	5.8	109
C93153	83	32	0	10.9	6.5	147	5.6	108
C93157	95	42	1	11.0	6.9	149	5.3	109
C93160	274	196	7	11.7	6.5	144	5.5	103
C93162	80	37	4	11.8	7.4	147	6.8	105
C93179	115	51	6	12.2	10.3	152	7.4	108
MEAN	117	64	2	11.5	7.3	148	6.0	106
S.D.	62.6	55.5	2.6	.44	1.20	2.9	.67	2.0
N	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Chemistry Data

Males Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295					
C92501	123	11	.8	7.3	4.6	2.7	.0	226
C92504	117	9	.7	6.8	4.2	2.6	.0	85
C92507	127	11	.4	7.5	5.0	2.5	.0	133
C92512	127	11	.4	7.0	4.1	2.9	.0	110
C92517	154	10	.8	7.3	4.6	2.7	.1	143
C92523	137	12	.6	6.8	4.5	2.3	.0	79
C92534	128	8	.5	6.7	3.8	2.9	.0	92
C92540	147	12	.9	7.8	4.7	3.1	.0	146
C92562	116	9	.7	6.6	4.5	2.1	.2	99
C92570	115	9	.6	6.3	4.1	2.2	.0	88
MEAN	129	10	.6	7.0	4.4	2.6	.0	120
S.D.	13.2	1.4	.17	.46	.35	.33	.07	44.6
N	10	10	10	10	10	10	10	10
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295					
C92573	120	12	.7	7.4	4.7	2.7	.0	92
C92587	113	12	.7	7.6	4.5	3.1	.1	201
C92592	139	11	.8	7.3	5.0	2.3	.1	108
C92596	129	11	.6	8.0	5.4	2.6	.0	94
C92604	117	13	.7	7.4	4.8	2.6	.3	78
C92612	121	12	.7	7.4	4.7	2.7	.3	76
C92614	106	11	.6	7.1	4.8	2.3	.0	102
C92624	126	10	.8	7.4	4.9	2.5	.1	139
C92625	133	14	.9	7.7	4.6	3.1	.2	187
C92629	148	11	.7	7.2	4.6	2.6	.5	216
MEAN	125	12	.7	7.4	4.8	2.6	.2	129
S.D.	12.5	1.2	.09	.26	.26	.28	.16	53.1
N	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Chemistry Data

Males Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295					
C92634	108	13	.6	7.0	4.5	2.5	.0	94
C92635	136	13	.8	7.4	5.0	2.4	.0	85
C92643	107	10	.6	7.3	4.7	2.6	.1	94
C92649	104	10	.5	6.6	4.5	2.1	.0	62
C92653	137	13	.7	7.6	4.8	2.8	.2	94
C92654	118	12	.8	7.0	4.5	2.5	.2	61
C92667	140	12	.9	8.0	4.8	3.2	.1	111
C92669	111	14	.8	7.1	4.9	2.2	.0	98
C92680	121	10	.4	7.4	4.6	2.8	.0	111
C92686	132	13	.7	7.4	5.0	2.4	.2	76
MEAN	121	12	.7	7.3	4.7	2.6	.1	89
S.D.	13.8	1.5	.15	.38	.20	.32	.09	17.7
N	10	10	10	10	10	10	10	10
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295					
C92694	116	16	.5	7.5	5.1	2.4	.1	78
C92704	122	14	.7	7.5	4.8	2.7	.3	85
C92710	117	16	.8	7.4	4.7	2.7	.1	78
C92711	126	14	.8	7.1	4.6	2.5	.0	82
C92727	130	14	.9	8.4	5.2	3.2	.1	106
C92729	130	12	.6	7.0	4.2	2.8	.0	90
C92739	115	13	.8	8.2	5.0	3.2	.0	101
C92741	107	13	.5	7.3	4.9	2.4	.0	101
C92742	131	13	1.0	7.3	4.9	2.4	.3	75
C92748	118	15	.8	7.9	4.9	3.0	.1	122
MEAN	121	14	.7	7.6	4.8	2.7	.1	92
S.D.	8.0	1.3	.16	.46	.28	.32	.12	15.2
N	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Chemistry Data

Males Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295					
C92751	109	13	.8	6.8	4.8	2.0	.0	24
C92754	108	14	.6	7.5	4.9	2.6	.0	47
C92755	94	17	.6	7.8	5.4	2.4	.0	74
C92778	116	9	.7	6.7	4.3	2.4	.0	61
C92790	117	12	.8	7.8	5.0	2.8	.0	69
C92795	107	15	.6	7.0	4.7	2.3	.1	46
C92796	127	11	.8	6.0	3.5	2.5	.0	24
C92817	115	13	.6	6.5	4.3	2.2	.0	59
C92820	97	14	.7	7.3	4.9	2.4	.0	46
MEAN	110	13	.7	7.0	4.6	2.4	.0	50
S.D.	10.2	2.3	.09	.61	.55	.23	.03	17.8
N	9	9	9	9	9	9	9	9

Appendix 5

Individual Clinical Chemistry Data

Males Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
Group: 1 Dose Level: 0			Dosage Unit: ppm T-6295					
C92501	63	26	0	11.1	6.9	150	5.8	106
C92504	92	35	0	9.9	6.0	146	5.3	107
C92507	108	38	0	10.9	6.5	148	6.1	108
C92512	131	32	0	10.2	6.1	144	5.8	105
C92517	97	29	0	10.9	6.2	147	6.3	105
C92523	111	38	0	10.3	6.7	147	6.2	108
C92534	101	26	0	10.3	6.3	145	6.7	105
C92540	154	241	0	10.7	5.8	146	6.0	103
C92562	127	41	0	10.3	5.9	146	5.5	106
C92570	74	37	0	10.2	7.0	147	5.4	109
MEAN	106	54	0	10.5	6.3	147	5.9	106
S.D.	27.0	65.8	.0	.39	.42	1.6	.44	1.8
N	10	10	10	10	10	10	10	10
Group: 2 Dose Level: 0.5			Dosage Unit: ppm T-6295					
C92573	125	58	0	11.1	6.9	149	6.5	105
C92587	177	58	0	11.4	7.8	150	7.5	107
C92592	124	70	1	11.1	6.6	149	6.7	106
C92596	99	47	0	11.4	7.0	150	6.9	106
C92604	177	205	0	11.1	7.3	148	5.8	107
C92612	102	30	1	11.3	7.3	145	5.8	108
C92614	82	45	0	11.3	6.9	151	7.0	110
C92624	143	41	0	10.8	6.8	143	6.0	103
C92625	81	26	1	12.2	7.2	149	6.5	105
C92629	67	44	0	11.9	7.2	149	6.4	106
MEAN	118	62	0	11.4	7.1	148	6.5	106
S.D.	38.8	51.8	.5	.41	.34	2.5	.55	1.9
N	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Chemistry Data

Males Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295					
C92634	105	57	0	10.7	7.1	150	6.5	109
C92635	134	42	2	11.4	7.4	150	6.9	108
C92643	91	30	0	11.1	7.3	149	6.8	105
C92649	119	43	1	10.3	7.0	149	6.3	110
C92653	101	38	2	11.4	8.0	151	7.3	107
C92654	107	34	0	11.2	8.0	151	7.2	109
C92667	94	40	0	11.4	7.5	153	6.9	105
C92669	143	43	0	10.4	6.2	148	5.9	107
C92680	107	33	0	10.7	6.4	146	6.0	108
C92686	112	42	0	11.3	7.2	145	5.7	106
MEAN	111	40	0	11.0	7.2	149	6.6	107
S.D.	16.6	7.5	.8	.43	.59	2.4	.56	1.7
N	10	10	10	10	10	10	10	10
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295					
C92694	119	39	4	11.3	8.6	153	7.5	112
C92704	167	40	0	11.5	8.1	148	6.8	107
C92710	125	44	0	11.1	7.9	147	6.6	106
C92711	166	54	1	10.6	7.2	146	7.0	110
C92727	104	55	0	11.9	8.3	155	7.5	107
C92729	116	36	0	10.4	7.5	146	6.7	107
C92739	118	49	0	11.6	7.6	150	7.1	109
C92741	113	51	0	10.5	6.5	148	5.9	106
C92742	144	34	0	10.7	7.3	145	5.6	104
C92748	130	33	0	11.7	8.4	153	7.2	105
MEAN	130	44	0	11.1	7.7	149	6.8	107
S.D.	21.9	8.3	1.3	.55	.64	3.5	.63	2.4
N	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Chemistry Data

Males Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295					
C92751	101	54	0	10.3	6.1	147	6.3	112
C92754	241	292	1	11.0	7.2	155	7.2	112
C92755	257	140	0	10.9	7.3	149	6.6	109
C92778	64	40	0	10.2	5.8	144	5.0	108
C92790	81	40	4	11.2	7.2	151	7.3	112
C92795	110	48	0	10.4	7.4	146	5.9	107
C92796	104	48	0	10.1	7.5	145	4.9	108
C92817	89	44	0	10.1	7.1	146	5.8	108
C92820	111	43	0	10.4	7.3	150	7.0	111
MEAN	129	83	1	10.5	7.0	148	6.2	110
S.D.	70.0	84.4	1.3	.41	.61	3.5	.89	2.1
N	9	9	9	9	9	9	9	9

Appendix 5

Individual Clinical Chemistry Data

Females Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295					
C92862	119	10	.7	9.1	6.4	2.7	.1	144
C92876	99	13	.7	7.1	5.1	2.0	.0	95
C92889	117	9	.8	6.1	4.3	1.8	.0	84
C92894	96	11	.7	7.4	5.5	1.9	.0	109
C92899	99	13	.9	7.3	5.3	2.0	.1	108
C92910	118	15	.7	8.8	6.5	2.3	.2	126
C92917	112	10	.6	9.3	6.5	2.8	.1	137
C92922	127	7	.6	8.0	6.1	1.9	.0	102
C92923	111	11	.6	6.9	4.8	2.1	.0	122
C92930	113	8	.6	7.4	4.7	2.7	.0	136
MEAN	111	11	.7	7.7	5.5	2.2	.0	116
S.D.	10.1	2.5	.10	1.04	.81	.38	.07	19.8
N	10	10	10	10	10	10	10	10
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295					
C92931	112	12	.4	7.5	5.6	1.9	.4	72
C92938	97	18	.8	8.6	6.1	2.5	.0	137
C92946	115	13	1.3	8.6	6.4	2.2	.1	88
C92952	91	15	.8	8.5	6.0	2.5	.3	150
C92954	98	13	.5	8.0	5.7	2.3	.3	97
C92958	95	12	.7	8.5	6.2	2.3	.1	92
C92964	113	14	.7	7.9	5.5	2.4	.2	106
C92972	106	12	.7	7.4	5.3	2.1	.1	91
C92985	98	11	.8	8.3	5.9	2.4	.0	106
C92990	100	10	.5	8.1	5.7	2.4	.0	142
MEAN	102	13	.7	8.1	5.8	2.3	.2	108
S.D.	8.4	2.3	.25	.44	.34	.19	.14	26.1
N	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Chemistry Data

Females Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295					
C92992	100	12	.8	8.1	5.3	2.8	.1	121
C92997	98	16	1.0	8.6	5.3	3.3	.0	130
C93012	70	14	.5	8.2	5.1	3.1	.2	100
C93022	103	9	.9	8.2	6.2	2.0	.0	89
C93027	92	14	.8	8.0	5.7	2.3	.1	91
C93029	85	16	.9	7.6	5.1	2.5	.3	96
C93032	117	12	.9	7.7	5.2	2.5	.0	77
C93042	100	12	.7	7.4	5.3	2.1	.2	118
C93046	107	14	1.0	8.8	6.3	2.5	.0	106
C93048	90	15	.8	7.6	5.7	1.9	.0	85
MEAN	96	13	.8	8.0	5.5	2.5	.1	101
S.D.	12.9	2.2	.15	.45	.44	.46	.11	17.2
N	10	10	10	10	10	10	10	10
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295					
C93052	91	18	.8	8.1	5.8	2.3	.0	81
C93054	98	15	.6	8.4	5.9	2.5	.0	90
C93060	106	15	.5	8.7	6.2	2.5	.2	155
C93078	96	11	.8	8.2	5.9	2.3	.1	115
C93081	94	16	.8	7.6	5.3	2.3	.0	58
C93083	98	13	.8	8.3	6.4	1.9	.3	86
C93091	96	13	.9	8.2	5.6	2.6	.2	96
C93095	85	10	.4	7.8	5.9	1.9	.0	80
C93097	105	17	.9	8.2	5.8	2.4	.2	104
C93110	102	10	1.0	8.4	5.5	2.9	.3	230
MEAN	97	14	.8	8.2	5.8	2.4	.1	110
S.D.	6.3	2.9	.19	.31	.32	.30	.13	49.6
N	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Chemistry Data

Females Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	GLU MG/DL	UN MG/DL	CREAT MG/DL	T PRO G/DL	ALB G/DL	GLOB G/DL	T BILI MG/DL	CHOL MG/DL
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295					
C93112	85	15	.7	7.5	5.3	2.2	.0	89
C93116	100	14	.6	8.4	6.8	1.6	.1	86
C93117	107	22	.7	8.9	5.9	3.0	.0	141
C93120	84	15	.6	6.6	4.4	2.2	.0	67
C93130	104	19	.8	7.7	5.8	1.9	.0	63
C93138	103	13	.9	8.5	6.2	2.3	.3	48
C93147	92	17	.9	8.7	6.5	2.2	.1	87
C93154	86	17	1.0	6.9	4.3	2.6	.0	59
C93163	109	13	.6	7.9	5.8	2.1	.0	73
C93171	105	17	.7	7.6	5.7	1.9	.0	81
MEAN	98	16	.8	7.9	5.7	2.2	.0	79
S.D.	9.8	2.8	.14	.76	.81	.39	.10	25.5
N	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Chemistry Data

Females Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295					
C92862	129	54	0	10.8	7.5	147	5.1	102
C92876	135	42	0	10.4	6.4	142	5.2	107
C92889	82	42	0	10.0	6.0	145	5.6	110
C92894	113	39	0	10.0	4.7	146	4.6	107
C92899	88	29	0	10.5	4.6	144	4.6	106
C92910	283	133	0	11.4	6.4	150	6.0	109
C92917	76	32	0	11.4	6.1	147	5.4	103
C92922	103	44	1	10.4	5.0	144	5.4	108
C92923	105	52	0	9.9	5.4	143	4.8	104
C92930	79	34	0	10.7	6.2	147	4.7	107
MEAN	119	50	0	10.6	5.8	146	5.1	106
S.D.	61.0	30.2	.3	.54	.90	2.4	.47	2.6
N	10	10	10	10	10	10	10	10
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295					
C92931	102	45	0	10.8	6.1	144	6.3	104
C92938	137	42	0	11.2	6.7	149	6.0	105
C92946	98	38	1	12.2	7.6	156	8.5	113
C92952	101	38	0	11.4	5.7	145	5.3	101
C92954	101	52	0	11.0	4.9	144	5.5	107
C92958	123	42	0	11.1	5.7	148	5.1	103
C92964	126	39	0	10.9	4.8	145	5.1	104
C92972	104	32	1	10.3	5.6	148	6.0	111
C92985	128	52	1	11.2	5.6	145	5.8	107
C92990	132	53	1	11.0	5.5	146	4.9	105
MEAN	115	43	0	11.1	5.8	147	5.8	106
S.D.	15.3	7.1	.5	.48	.83	3.6	1.04	3.7
N	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Chemistry Data

Females Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295					
C92992	85	35	0	10.4	5.1	145	4.6	106
C92997	109	40	0	11.0	6.3	151	6.0	109
C93012	148	53	0	10.7	5.9	145	4.8	107
C93022	119	66	0	10.9	5.0	149	5.2	108
C93027	137	80	0	11.1	6.7	148	5.4	108
C93029	158	64	0	10.6	5.3	147	5.3	108
C93032	107	39	3	10.8	5.2	148	4.9	103
C93042	124	65	3	10.9	5.8	145	4.6	104
C93046	115	46	0	10.9	5.1	145	4.6	103
C93048	111	52	0	10.4	5.9	149	5.3	110
MEAN	121	54	1	10.8	5.6	147	5.1	107
S.D.	21.4	14.5	1.3	.24	.58	2.1	.45	2.5
N	10	10	10	10	10	10	10	10
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295					
C93052	130	26	0	10.8	5.3	146	5.1	111
C93054	121	75	0	10.9	5.6	147	4.5	106
C93060	153	84	0	11.6	6.7	149	6.1	107
C93078	128	55	4	10.8	4.1	145	5.2	105
C93081	101	40	4	10.9	6.3	147	6.6	108
C93083	78	30	0	11.1	4.8	145	5.3	109
C93091	107	35	2	11.1	5.9	150	6.1	111
C93095	77	49	0	10.5	5.3	146	5.1	111
C93097	84	34	0	11.1	5.8	148	5.5	109
C93110	98	36	0	11.2	5.4	145	4.8	101
MEAN	108	46	1	11.0	5.5	147	5.4	108
S.D.	25.1	19.5	1.7	.29	.74	1.8	.65	3.2
N	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Chemistry Data

Females Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	AST/SGOT IU/L	ALT/SGPT IU/L	GGT IU/L	CA MG/DL	I PHOS MG/DL	NA MMOL/L	K MMOL/L	CL MMOL/L
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295					
C93112	99	42	0	10.5	5.2	145	4.6	108
C93116	73	36	0	11.1	5.5	148	4.8	105
C93117	88	86	0	10.9	5.9	151	5.8	109
C93120	129	63	0	10.0	6.0	145	4.8	112
C93130	77	27	0	10.9	6.8	148	6.7	112
C93138	79	37	0	10.5	6.1	144	5.8	106
C93147	98	49	0	11.2	7.1	153	7.2	112
C93154	112	49	0	9.8	5.8	146	4.8	113
C93163	80	34	1	10.5	5.9	145	4.3	109
C93171	95	36	0	10.2	5.0	144	4.5	110
MEAN	93	46	0	10.6	5.9	147	5.3	110
S.D.	17.5	17.3	.3	.47	.65	3.1	1.00	2.7
N	10	10	10	10	10	10	10	10

Appendix 5

Individual Clinical Chemistry Data

Females Week 103

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	CHOL MG/DL	TRIG MG/DL
Group: 3	Dose Level: 2.0	Dosage Unit: ppm T-6295
C92991	139	101
C93003	66	247
C93007	107	73
C93011	145	285
C93022	145	211
C93039	133	174
C93040	202	108
C93047	79	180
C93048	100	143
MEAN	124	169
S.D.	41.1	70.4
N	9	9

Appendix 5

Individual Clinical Chemistry Data

Males Week 105

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	CHOL MG/DL	TRIG MG/DL	
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295
C92503	101	42	
C92505	60	124	
C92510	116	220	
C92513	136	187	
C92514	123	216	
C92518	328	207	
C92541	110	54	
C92542	187	262	
C92544	120	62	
C92551	184	590	
C92569	220	230	
MEAN	153	199	
S.D.	73.5	151.3	
N	11	11	
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295
C92577	189	134	
C92583	239	322	
C92590	147	195	
C92597	84	108	
C92598	241	96	
C92601	125	255	
C92602	116	193	
C92619	137	306	
C92623	86	153	
C92626	76	110	
MEAN	144	187	
S.D.	60.8	82.7	
N	10	10	

Appendix 5

Individual Clinical Chemistry Data

Males Week 105

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

Group: 3 Dose Level: 2.0 Dosage Unit: ppm T-6295

ANIMAL NUMBER	CHOL MG/DL	TRIG MG/DL
C92631	121	218
C92633	147	86
C92637	202	360
C92641	134	182
C92642	123	71
C92643	181	423
C92644	153	375
C92649	89	86
C92653	198	186
C92657	117	152
C92659	75	58
C92660	128	132
C92669	139	114
C92674	81	188
C92682	91	383
C92683	94	100
C92690	123	272
MEAN	129	199
S.D.	38.4	120.6
N	17	17

Appendix 5

Individual Clinical Chemistry Data

Males Week 105

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	CHOL MG/DL	TRIG MG/DL
Group: 4	Dose Level: 5.0	Dosage Unit: ppm T-6295
C92691	125	183
C92693	86	79
C92694	97	64
C92695	114	184
C92696	102	96
C92698	103	81
C92699	87	145
C92700	98	115
C92702	135	144
C92704	129	140
C92705	153	184
C92708	144	264
C92716	101	151
C92717	268	277
C92724	154	237
C92726	127	137
C92730	154	75
C92735	119	215
C92736	157	231
C92739	67	137
C92740	77	86
C92742	163	218
C92747	49	32
C92748	145	117
C92750	126	169
MEAN	123	150
S.D.	42.7	65.3
N	25	25

Appendix 5

Individual Clinical Chemistry Data

Males Week 105

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	CHOL MG/DL	TRIG MG/DL
Group: 5	Dose Level: 20.0	Dosage Unit: ppm T-6295
C92753	97	116
C92757	102	107
C92761	163	428
C92762	99	87
C92774	126	204
C92775	96	203
C92776	43	77
C92780	139	88
C92782	134	237
C92786	185	212
C92788	80	38
C92791	201	421
C92792	91	146
C92800	98	142
C92802	33	53
C92803	67	35
C92804	90	111
C92808	150	213
C92809	214	410
C92814	62	55
C92815	213	267
C92818	102	76
MEAN	118	169
S.D.	52.2	121.9
N	22	22

Appendix 5

Individual Clinical Chemistry Data

Males Week 105

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	CHOL MG/DL	TRIG MG/DL
Group: 6	Dose Level: 20.0	Dosage Unit: ppm T-6295
C92821	94	88
C92823	175	145
C92827	173	163
C92829	104	69
C92833	125	147
C92834	200	206
C92848	85	42
C92851	168	169
C92853	155	141
C92856	174	196
MEAN	145	137
S.D.	40.1	53.9
N	10	10

Appendix 5

Individual Clinical Chemistry Data

Females Week 105

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

Group: 1 Dose Level: 0 Dosage Unit: ppm T-6295

ANIMAL NUMBER	CHOL MG/DL	TRIG MG/DL
C92866	116	52
C92867	151	149
C92868	115	101
C92869	114	98
C92871	162	203
C92873	108	102
C92874	113	91
C92877	100	138
C92881	114	181
C92882	142	123
C92885	218	234
C92890	94	80
C92892	108	108
C92895	97	72
C92896	123	101
C92897	182	46
C92906	102	51
C92907	147	405
C92909	90	188
C92911	120	118
C92912	83	44
C92913	105	55
C92925	222	98
C92927	58	118
MEAN	124	123
S.D.	39.6	78.6
N	24	24

Appendix 5

Individual Clinical Chemistry Data

Females Week 105

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	CHOL MG/DL	TRIG MG/DL
Group: 2	Dose Level: 0.5	Dosage Unit: ppm T-6295
C92936	113	51
C92938	117	89
C92946	138	399
C92953	128	100
C92957	81	29
C92960	116	116
C92964	144	130
C92970	104	34
C92973	119	67
C92974	117	61
C92975	140	282
C92983	89	30
C92984	157	110
C92986	180	104
C92988	110	111
MEAN	124	114
S.D.	25.4	100.1
N	15	15

Appendix 5

Individual Clinical Chemistry Data

Females Week 105

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	CHOL MG/DL	TRIG MG/DL
Group: 4	Dose Level: 5.0	Dosage Unit: ppm T-6295
C93059	100	160
C93060	142	100
C93062	126	45
C93063	72	73
C93072	128	86
C93077	115	91
C93078	175	63
C93079	101	408
C93080	88	203
C93081	91	97
C93090	83	82
C93098	169	158
C93101	106	207
C93102	100	191
C93107	118	71
MEAN	114	136
S.D.	29.8	92.5
N	15	15

Appendix 5

Individual Clinical Chemistry Data

Females Week 105

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	CHOL MG/DL	TRIG MG/DL
Group: 5	Dose Level: 20.0	Dosage Unit: ppm T-6295
C93113	122	188
C93115	160	124
C93124	113	77
C93125	114	32
C93133	61	80
C93135	94	56
C93137	38	54
C93139	76	104
C93140	340	585
C93146	117	60
C93149	149	55
C93151	86	51
C93153	127	132
C93157	119	160
C93158	70	59
C93161	89	58
C93162	80	79
C93164	71	56
C93165	59	29
C93166	86	54
C93168	103	117
C93174	68	49
C93177	84	48
C93178	71	38
C93179	77	47
MEAN	103	96
S.D.	57.2	109.7
N	25	25

Appendix 5

Individual Clinical Chemistry Data

Females Week 105

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

Group: 6 Dose Level: 20.0 Dosage Unit: ppm T-6295

ANIMAL NUMBER	CHOL MG/DL	TRIG MG/DL
C93181	110	133
C93182	122	172
C93183	78	55
C93184	81	124
C93185	129	128
C93190	139	56
C93192	141	175
C93197	118	98
C93198	94	306
C93201	79	89
C93202	77	146
C93205	145	148
C93209	86	134
C93211	101	63
C93216	111	148
C93219	124	310
C93220	118	241
MEAN	109	149
S.D.	23.3	76.2
N	17	17

Appendix 5

Individual Clinical Urinalysis Data

Males Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U VOL ML	SP GR	U PH
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295
C92505	11.5	1.013	7.0
C92506	34.2	1.007	7.0
C92524	48.8 a	1.005	7.0
C92526	22.6	1.007	7.0
C92529	17.5	1.010	7.0
C92542	19.2	1.010	7.0
C92543	17.4	1.010	7.5
C92546	16.5	1.015	7.0
C92548	9.5	1.016	7.0
C92553	16.8	1.012	7.0
MEAN	21.4	1.010	7.0
S.D.	11.72	.0036	.16
N	10	10	10
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295
C92573	13.2	1.017	7.0
C92574	14.4	1.017	7.0
C92575	12.2	1.022	7.0
C92585	17.5	1.013	7.0
C92586	48.5 a	1.002	7.0
C92587	18.3	1.012	7.5
C92610	42.6	1.004	6.5
C92613	6.4	1.027	7.0
C92615	14.5	1.016	7.0
C92618	38.5	1.005	7.0
MEAN	22.6	1.014	7.0
S.D.	14.76	.0080	.24
N	10	10	10

a Sample was overflowing at the time of collection.

Appendix 5

Individual Clinical Urinalysis Data

Males Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U VOL ML	SP GR	U PH
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295
C92632	10.3	1.021	6.5
C92646	48.1 a	1.001	7.0
C92650	48.4 a	1.000	7.0
C92652	20.2	1.010	7.0
C92657	48.3 a	1.003	7.0
C92668	23.3	1.009	7.0
C92676	16.1	1.013	6.5
C92678	9.3	1.020	7.0
C92684	14.1	1.013	7.5
C92686	15.2	1.013	7.5
MEAN	25.3	1.010	7.0
S.D.	16.35	.0073	.33
N	10	10	10
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295
C92709	15.5	1.015	7.0
C92715	27.3	1.010	7.5
C92716	49.9 a	1.004	7.0
C92718	49.5 a	1.002	7.0
C92725	24.5	1.008	7.0
C92731	48.0 a	1.004	7.0
C92732	23.5	1.008	7.5
C92734	11.2	1.020	7.0
C92744	42.8	1.006	7.0
C92746	25.5	1.010	7.5
MEAN	31.8	1.009	7.2
S.D.	14.52	.0055	.24
N	10	10	10

a Sample was overflowing at the time of collection.

Appendix 5

Individual Clinical Urinalysis Data

Males Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U VOL ML	SP GR	U PH
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295
C92752	29.0	1.006	7.0
C92759	24.0	1.009	7.0
C92779	6.0	1.029	7.0
C92784	26.7	1.010	7.0
C92793	17.0	1.016	7.0
C92798	28.6	1.009	7.0
C92799	39.7	1.006	7.0
C92805	19.9	1.013	7.0
C92807	10.2	1.017	7.0
C92811	24.7	1.009	7.0
MEAN	22.6	1.012	7.0
S.D.	9.78	.0069	.00
N	10	10	10

Appendix 5

Individual Clinical Urinalysis Data

Males Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U PRO MG/DL	U GLU	U KET	U BILI	U BLOOD	UROBILI
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295			
C92505	10	-	+	-	+	-
C92506	10	-	-	-	-	-
C92524	0	-	-	-	-	-
C92526	10	-	-	-	-	-
C92529	10	-	-	-	-	-
C92542	10	-	-	-	-	-
C92543	10	-	-	-	-	-
C92546	10	-	-	-	-	-
C92548	10	-	+	-	-	-
C92553	30	-	+	-	-	-
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295			
C92573	10	-	+	-	-	-
C92574	30	-	+	-	-	-
C92575	10	-	+	-	-	-
C92585	10	-	-	-	-	-
C92586	0	-	-	-	-	-
C92587	10	-	-	-	-	-
C92610	0	-	-	-	-	-
C92613	30	-	+	-	-	-
C92615	10	-	+	-	-	-
C92618	10	-	-	-	-	-

Appendix 5

Individual Clinical Urinalysis Data

Males Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U PRO MG/DL	U GLU	U KET	U BILI	U BLOOD	UROBILI
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295			
C92632	10	-	+	-	-	-
C92646	0	-	-	-	-	-
C92650	0	-	-	-	-	-
C92652	10	-	-	-	-	-
C92657	10	-	-	-	-	-
C92668	10	-	-	-	-	-
C92676	10	-	-	-	-	-
C92678	10	-	-	-	-	-
C92684	10	-	+	-	+	-
C92686	10	-	-	-	-	-
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295			
C92709	10	-	+	-	-	-
C92715	10	-	-	-	-	-
C92716	10	-	-	-	-	-
C92718	0	-	-	-	-	-
C92725	10	-	+	-	-	-
C92731	0	-	-	-	-	-
C92732	10	-	-	-	-	-
C92734	10	-	-	-	-	-
C92744	10	-	+	-	-	-
C92746	30	-	-	-	-	-

Appendix 5

Individual Clinical Urinalysis Data

Males Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U PRO MG/DL	U GLU	U KET	U BILI	U BLOOD	UROBILI
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295			
C92752	10	-	+	-	-	-
C92759	10	-	+	-	-	-
C92779	30	-	+	-	-	-
C92784	10	-	-	-	-	-
C92793	10	-	-	-	-	-
C92798	10	-	-	-	-	-
C92799	10	-	-	-	-	-
C92805	10	-	+	-	-	-
C92807	10	-	+	-	-	-
C92811	10	-	+	-	-	-

Appendix 5

Individual Clinical Urinalysis Data

Males Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	RBC PER HPF	WBC PER HPF	EPITH PER HPF	BACT PER HPF	CASTS PER LPF	CRYSTALS PER LPF1	URINE APP1	COMMENTS
Group: 1 Dose Level: 0			Dosage Unit: ppm T-6295					
C92505	0	0	1	1	0	3D	BJ	Q
C92506	0	0	1	2	0	0	AJ	PQ
C92524	0	0	0	1	0	0	AJ	Q
C92526	0	0	1	2	0	0	BK	Q
C92529	0	0	1	1	0	4D	BJ	Q
C92542	0	0	1	1	0	4D	BK	PQ
C92543	0	0	1	1	0	4D	BJ	Q
C92546	0	0	0	2	0	4D	BK	PQ
C92548	0	0	0	2	0	3D	CJ	Q
C92553	0	0	0	1	0	4D	BJ	Q
Group: 2 Dose Level: 0.5			Dosage Unit: ppm T-6295					
C92573	0	0	0	3	0	4D	CK	Q
C92574	0	0	1	1	0	3D	CK	Q
C92575	0	0	1	2	0	4D	CJ	P
C92585	0	0	1	1	0	2D	BK	PQ
C92586	0	0	0	2	0	0	AJ	Q
C92587	0	0	0	1	0	0	CJ	-
C92610	0	0	1	1	0	0	BJ	Q
C92613	0	0	1	3	0	4D	CK	PQ
C92615	0	0	0	2	0	4D	CJ	PQ
C92618	0	0	1	1	0	0	AJ	-

Appendix 5

Individual Clinical Urinalysis Data

Males Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	RBC PER HPF	WBC PER HPF	EPITH PER HPF	BACT PER HPF	CASTS PER LPF	CRYSTALS PER LPF1	URINE APP1	COMMENTS
Group: 3 Dose Level: 2.0			Dosage Unit: ppm T-6295					
C92632	0	0	1	2	0	0	CK	Q
C92646	0	0	0	2	0	0	AJ	Q
C92650	0	0	0	1	0	0	AJ	Q
C92652	0	0	0	1	0	0	BJ	PQ
C92657	0	0	0	2	0	1B	AJ	Q
C92668	0	0	0	2	0	2D	BJ	PQ
C92676	0	0	1	1	0	0	BJ	Q
C92678	0	0	0	3	0	4D	CK	PQ
C92684	0	0	1	1	0	4D	CK	PQ
C92686	0	0	0	1	0	4D	CJ	-
Group: 4 Dose Level: 5.0			Dosage Unit: ppm T-6295					
C92709	0	0	0	2	0	2B4D	CK	Q
C92715	0	0	0	1	0	4D	BK	PQ
C92716	0	0	1	1	0	0	AJ	Q
C92718	0	0	1	1	0	0	AJ	Q
C92725	0	0	1	1	0	1D	BJ	Q
C92731	0	0	0	3	0	0	AJ	Q
C92732	0	0	0	1	0	0	BJ	Q
C92734	0	0	0	2	0	4D	CK	PQ
C92744	0	0	0	3	0	4D	BK	PQ
C92746	0	0	1	1	0	2D	BJ	Q

Appendix 5

Individual Clinical Urinalysis Data

Males Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	RBC PER HPF	WBC PER HPF	EPITH PER HPF	BACT PER HPF	CASTS PER LPF	CRYSTALS PER LPF1	URINE APP1	COMMENTS
Group: 5 Dose Level: 20.0			Dosage Unit: ppm T-6295					
C92752	0	0	1	2	0	0	AJ	PQ
C92759	0	0	0	1	0	1D	BJ	Q
C92779	0	0	1	1	0	3D	CK	Q
C92784	0	0	0	1	0	1D	BJ	PQ
C92793	0	0	0	2	0	4D	CK	PQ
C92798	0	0	0	3	0	0	BJ	Q
C92799	0	0	0	3	0	0	BJO	Q
C92805	0	0	0	1	0	0	BJ	PQ
C92807	0	0	1	2	0	4D	CJ	PQ
C92811	0	0	0	1	0	0	BJ	Q

Appendix 5

Individual Clinical Urinalysis Data

Females Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U VOL ML	SP GR	U PH
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295
C92861	9.0	1.016	7.0
C92864	3.4	1.023	7.0
C92876	2.2	1.036	6.5
C92877	6.6	1.018	6.5
C92882	6.4	1.018	6.5
C92883	22.5	1.008	7.0
C92914	2.7	1.026	7.0
C92919	45.2 a	1.001	7.0
C92925	9.5	1.015	6.5
C92926	1.9	1.030	6.5
MEAN	10.9	1.019	6.8
S.D.	13.48	.0103	.26
N	10	10	10
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295
C92941	1.5	1.036	6.5
C92945	47.5 a	1.000	7.0
C92950	15.5	1.007	7.0
C92953	6.7	1.020	7.0
C92959	10.0	1.008	6.5
C92964	7.2	1.019	7.0
C92968	9.6	1.016	7.0
C92969	3.5	1.022	7.0
C92976	42.3 a	1.003	7.0
C92982	8.5	1.017	6.5
MEAN	15.2	1.015	6.8
S.D.	16.13	.0106	.24
N	10	10	10

a Sample was overflowing at the time of collection.

Appendix 5

Individual Clinical Urinalysis Data

Females Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U VOL ML	SP GR	U PH
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295
C92993	4.0	1.022	6.5
C92996	46.0 a	1.001	6.5
C92998	5.0	1.012	7.0
C93004	6.2	1.021	6.5
C93006	5.9	1.014	7.0
C93008	7.7	1.016	7.0
C93023	49.3 a	1.000	7.0
C93031	4.1	1.023	7.0
C93033	6.4	1.021	7.0
C93045	7.5	1.023	6.5
MEAN	14.2	1.015	6.8
S.D.	17.68	.0087	.26
N	10	10	10
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295
C93058	6.5	1.017	7.0
C93067	14.1	1.010	7.0
C93070	5.2	1.021	6.5
C93074	8.0	1.023	7.0
C93075	9.0	1.016	7.0
C93083	18.2	1.008	6.5
C93084	12.5	1.008	7.0
C93089	11.2	1.018	7.0
C93094	29.0	1.006	7.0
C93105	18.0	1.011	6.5
MEAN	13.2	1.014	6.8
S.D.	7.12	.0060	.24
N	10	10	10

a Sample was overflowing at the time of collection.

Appendix 5

Individual Clinical Urinalysis Data

Females Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U VOL ML	SP GR	U PH
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295
C93114	28.7	1.005	7.0
C93123	9.5	1.014	7.0
C93142	9.8	1.015	7.0
C93144	10.0	1.012	6.5
C93151	5.1	1.019	6.5
C93155	4.1	1.026	6.5
C93158	43.0 a	1.002	7.0
C93159	48.4 a	1.001	7.0
C93164	10.2	1.014	7.0
C93175	6.5	1.022	6.5
MEAN	17.5	1.013	6.8
S.D.	16.39	.0083	.26
N	10	10	10

a Sample was overflowing at the time of collection.

Appendix 5

Individual Clinical Urinalysis Data

Females Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U PRO MG/DL	U GLU	U KET	U BILI	U BLOOD	UROBILI
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295			
C92861	0	-	-	-	-	-
C92864	10	-	-	-	-	-
C92876	10	-	-	-	-	-
C92877	0	-	-	-	-	-
C92882	10	-	-	-	-	-
C92883	0	-	-	-	-	-
C92914	10	-	-	-	-	-
C92919	0	-	-	-	-	-
C92925	0	-	-	-	-	-
C92926	10	-	-	-	-	-
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295			
C92941	30	-	-	-	-	-
C92945	0	-	-	-	-	-
C92950	0	-	-	-	-	-
C92953	10	-	-	-	-	-
C92959	0	-	-	-	-	-
C92964	10	-	-	-	-	-
C92968	10	-	-	-	-	-
C92969	10	-	-	-	-	-
C92976	0	-	-	-	-	-
C92982	0	-	-	-	-	-

Appendix 5

Individual Clinical Urinalysis Data

Females Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U PRO MG/DL	U GLU	U KET	U BILI	U BLOOD	UROBILI
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295			
C92993	10	-	-	-	-	-
C92996	0	-	-	-	-	-
C92998	0	-	-	-	-	-
C93004	0	-	-	-	-	-
C93006	10	-	-	-	-	-
C93008	0	-	-	-	-	-
C93023	0	-	-	-	-	-
C93031	10	-	-	-	-	-
C93033	10	-	-	-	-	-
C93045	0	-	-	-	-	-
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295			
C93058	10	-	-	-	-	-
C93067	0	-	-	-	-	-
C93070	10	-	-	-	-	-
C93074	10	-	-	-	-	-
C93075	0	-	-	-	-	-
C93083	0	-	-	-	-	-
C93084	0	-	-	-	-	-
C93089	0	-	-	-	-	-
C93094	0	-	-	-	-	-
C93105	0	-	-	-	-	-

Appendix 5

Individual Clinical Urinalysis Data

Females Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U PRO MG/DL	U GLU	U KET	U BILI	U BLOOD	UROBILI
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295			
C93114	0	-	-	-	-	-
C93123	0	-	-	-	-	-
C93142	0	-	-	-	-	-
C93144	0	-	-	-	-	-
C93151	10	-	-	-	-	-
C93155	0	-	-	-	-	-
C93158	0	-	-	-	-	-
C93159	0	-	-	-	-	-
C93164	0	-	-	-	-	-
C93175	0	-	-	-	-	-

Appendix 5

Individual Clinical Urinalysis Data

Females Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	RBC PER HPF	WBC PER HPF	EPITH PER HPF	BACT PER HPF	CASTS PER LPF	CRYSTALS PER LPF1	URINE APP1	COMMENTS
Group: 1 Dose Level: 0			Dosage Unit: ppm T-6295					
C92861	0	0	0	1	0	2D	CJ	-
C92864	0	0	1	1	0	2D	CJ	-
C92876	0	0	1	1	0	2D	CK	P
C92877	0	1	1	1	0	1B1D	CJ	P
C92882	0	0	1	1	0	1D	CJ	-
C92883	0	0	1	2	0	0	AJ	-
C92914	0	0	1	2	0	4D	CJ	P
C92919	0	0	0	1	0	0	AJ	-
C92925	0	0	1	1	0	2B	CJ	-
C92926	0	1	0	1	0	0	CJ	P
Group: 2 Dose Level: 0.5			Dosage Unit: ppm T-6295					
C92941	0	0	1	1	0	0	CJ	P
C92945	0	0	0	1	0	0	AJ	-
C92950	0	1	1	2	0	0	BJ	P
C92953	0	0	1	1	0	3D	CK	-
C92959	0	1	0	1	0	0	BJ	-
C92964	0	1	0	1	0	2D	CJ	-
C92968	0	0	1	2	0	4D	CJ	P
C92969	0	1	0	1	0	3D	CJ	P
C92976	0	1	1	1	0	0	AJ	-
C92982	0	0	0	1	0	2D	CK	-

Appendix 5

Individual Clinical Urinalysis Data

Females Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	RBC PER HPF	WBC PER HPF	EPITH PER HPF	BACT PER HPF	CASTS PER LPF	CRYSTALS PER LPF1	URINE APP1	COMMENTS
Group: 3 Dose Level: 2.0			Dosage Unit: ppm T-6295					
C92993	0	1	1	1	0	1D	CJ	P
C92996	0	0	1	1	0	0	AJ	-
C92998	0	1	1	1	0	0	BJ	P
C93004	0	0	1	1	0	1D	CJ	-
C93006	0	0	0	1	0	3D	BJ	-
C93008	0	0	0	1	0	2D	CJ	-
C93023	0	0	0	1	0	0	AJ	-
C93031	0	0	0	1	0	4D	CJ	P
C93033	0	0	1	1	0	4D	CK	-
C93045	0	0	1	1	0	4D	CK	P
Group: 4 Dose Level: 5.0			Dosage Unit: ppm T-6295					
C93058	0	0	0	1	0	4D	CK	-
C93067	0	0	0	1	0	3D	BJ	-
C93070	0	1	1	2	0	0	CK	P
C93074	0	1	1	1	0	4D	CK	P
C93075	0	1	1	1	0	4D	CJ	P
C93083	0	1	0	1	0	1B	BJ	P
C93084	0	1	1	1	0	0	BJ	P
C93089	0	1	0	1	1G	2D	CJ	P
C93094	0	1	1	2	0	0	AJ	-
C93105	0	1	1	2	0	1D	BJ	P

Appendix 5

Individual Clinical Urinalysis Data

Females Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	RBC PER HPF	WBC PER HPF	EPITH PER HPF	BACT PER HPF	CASTS PER LPF	CRYSTALS PER LPF1	URINE APP1	COMMENTS
Group: 5 Dose Level: 20.0			Dosage Unit: ppm T-6295					
C93114	0	0	0	1	0	0	BJ	-
C93123	0	0	1	1	0	4D	BJ	-
C93142	0	0	1	1	0	4D	BJ	-
C93144	0	0	1	2	0	0	BJ	P
C93151	0	0	1	1	0	2D	CJ	P
C93155	0	0	1	1	0	2D	CJ	P
C93158	0	0	0	1	0	1B	AJ	-
C93159	0	0	0	1	0	0	AJ	-
C93164	0	1	1	1	0	1D	BJ	-
C93175	0	1	1	1	0	2D	CJ	-

Appendix 5

Individual Clinical Urinalysis Data

Males Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U VOL ML	SP GR	U PH
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295
C92508	30.2	1.010	7.5
C92509	19.1	1.012	7.5
C92511	31.4	1.009	7.0
C92521	9.1	1.027	7.0
C92527	26.0	1.015	7.5
C92528	49.5 a	1.003	7.0
C92532	20.0	1.015	7.0
C92535	4.5	1.035	6.5
C92537	49.5 a	1.006	7.0
C92562	49.1 a	1.008	7.5
MEAN	28.8	1.014	7.2
S.D.	16.45	.0099	.34
N	10	10	10
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295
C92583	16.8	1.016	7.5
C92593	46.3 a	1.003	6.5
C92598	23.5	1.014	7.0
C92600	7.4	1.022	7.0
C92612	49.3 a	1.006	7.5
C92616	28.7	1.008	7.5
C92621	3.4	1.044	6.5
C92624	17.0	1.018	7.5
C92627	35.6	1.008	7.0
C92629	7.3	1.040	7.0
MEAN	23.5	1.018	7.1
S.D.	16.23	.0140	.39
N	10	10	10

a Sample was overflowing at the time of collection.

Appendix 5

Individual Clinical Urinalysis Data

Males Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U VOL ML	SP GR	U PH
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295
C92636	46.5 a	1.004	6.5
C92640	6.8	1.025	6.5
C92644	9.4	1.026	7.0
C92645	9.7	1.022	7.0
C92651	14.8	1.021	7.5
C92661	40.5	1.007	7.5
C92662	10.1	1.020	7.0
C92676	2.0	1.032	6.5
C92682	20.5	1.016	7.0
C92684	47.5 a	1.003	7.0
MEAN	20.8	1.018	7.0
S.D.	17.37	.0099	.37
N	10	10	10
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295
C92711	10.1	1.021	7.0
C92713	47.7 a	1.005	7.0
C92714	22.1	1.013	7.0
C92716	26.3	1.013	7.5
C92719	12.0	1.021	6.5
C92722	35.0	1.005	6.5
C92726	12.8	1.021	7.0
C92728	15.5	1.020	7.0
C92741	49.0 a	1.007	7.5
C92748	23.5	1.016	7.0
MEAN	25.4	1.014	7.0
S.D.	14.27	.0067	.33
N	10	10	10

a Sample was overflowing at the time of collection.

Appendix 5

Individual Clinical Urinalysis Data

Males Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U VOL ML	SP GR	U PH
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295
C92754	9.3	1.020	7.0
C92765	9.8	1.024	7.0
C92767	37.0	1.010	7.0
C92774	12.5	1.020	7.0
C92777	48.1	1.007	7.0
C92784	12.0	1.021	7.0
C92789	5.5	1.028	6.5
C92799	12.7	1.025	6.5
C92812	7.6	1.027	7.0
C92820	30.8	1.012	7.5
MEAN	18.5	1.019	7.0
S.D.	14.64	.0073	.28
N	10	10	10

Appendix 5

Individual Clinical Urinalysis Data

Males Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U PRO MG/DL	U GLU	U KET	U BILI	U BLOOD	UROBILI
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295			
C92508	10	-	-	-	-	-
C92509	10	-	-	-	-	-
C92511	10	-	-	-	+	-
C92521	30	-	+	-	-	-
C92527	30	-	+	-	-	-
C92528	0	-	-	-	-	-
C92532	10	-	-	-	-	-
C92535	30	-	+	-	-	-
C92537	0	-	-	-	-	-
C92562	10	-	-	-	-	-
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295			
C92583	30	-	-	-	-	-
C92593	0	-	-	-	-	-
C92598	10	-	-	-	-	-
C92600	30	-	-	-	-	-
C92612	0	-	-	-	-	-
C92616	10	-	-	-	-	-
C92621	30	-	+	-	+	-
C92624	30	-	+	-	-	-
C92627	10	-	-	-	-	-
C92629	30	-	+	-	-	-

Appendix 5

Individual Clinical Urinalysis Data

Males Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U PRO MG/DL	U GLU	U KET	U BILI	U BLOOD	UROBILI
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295			
C92636	0	-	-	-	-	-
C92640	30	-	-	-	-	-
C92644	10	-	+	-	-	-
C92645	30	-	+	-	-	-
C92651	30	-	-	-	-	-
C92661	10	-	-	-	-	-
C92662	30	-	+	-	-	-
C92676	30	-	+	-	-	-
C92682	10	-	-	-	-	-
C92684	0	-	-	-	-	-
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295			
C92711	30	-	+	-	-	-
C92713	10	-	-	-	-	-
C92714	10	-	+	-	-	-
C92716	10	-	+	-	-	-
C92719	10	-	-	-	-	-
C92722	10	-	-	-	-	-
C92726	30	-	+	-	-	-
C92728	30	-	+	-	-	-
C92741	10	-	-	-	-	-
C92748	10	-	-	-	-	-

Appendix 5

Individual Clinical Urinalysis Data

Males Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U PRO MG/DL	U GLU	U KET	U BILI	U BLOOD	UROBILI
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295			
C92754	10	-	+	-	-	-
C92765	30	-	-	-	-	-
C92767	10	-	-	-	-	-
C92774	10	-	+	-	-	-
C92777	10	-	-	-	-	-
C92784	30	-	+	-	-	-
C92789	10	-	+	-	+	-
C92799	30	-	-	-	+	-
C92812	30	-	-	-	-	-
C92820	10	-	+	-	-	-

Appendix 5

Individual Clinical Urinalysis Data

Males Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	RBC PER HPF	WBC PER HPF	EPITH PER HPF	BACT PER HPF	CASTS PER LPF	CRYSTALS PER LPF1	URINE APP1	COMMENTS
Group: 1 Dose Level: 0			Dosage Unit: ppm T-6295					
C92508	0	0	1	1	0	4D	BJ	Q
C92509	0	0	1	1	0	4D	BJ	Q
C92511	0	1	1	1	0	1B1D	BJ	PQ
C92521	0	0	0	2	0	4D	BK	P
C92527	0	0	1	2	0	4D	BK	Q
C92528	0	0	0	1	0	0	AJ	Q
C92532	0	0	1	1	0	4D	BK	Q
C92535	0	0	1	1	0	3D	CK	Q
C92537	0	0	1	2	0	2D	AJ	Q
C92562	0	0	1	1	0	2D	AJ	Q
Group: 2 Dose Level: 0.5			Dosage Unit: ppm T-6295					
C92583	0	0	1	2	0	4D	BK	Q
C92593	1	0	1	1	0	0	AJ	Q
C92598	0	0	1	1	0	4D	BK	Q
C92600	1	0	0	1	0	4D	BK	PQ
C92612	0	0	1	1	0	3D	AJ	Q
C92616	0	0	0	1	0	3D	BK	Q
C92621	0	1	1	1	0	4D	DK	PQ
C92624	0	1	1	1	0	4D	BK	Q
C92627	0	0	1	1	0	3D	BJ	Q
C92629	0	0	1	2	0	3D	CK	PQ

Appendix 5

Individual Clinical Urinalysis Data

Males Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	RBC PER HPF	WBC PER HPF	EPITH PER HPF	BACT PER HPF	CASTS PER LPF	CRYSTALS PER LPF1	URINE APP1	COMMENTS
Group: 3 Dose Level: 2.0			Dosage Unit: ppm T-6295					
C92636	0	0	1	2	0	0	AJ	Q
C92640	0	0	0	2	0	4D	CK	Q
C92644	0	0	1	2	0	4D	CK	Q
C92645	0	0	1	2	0	4D	BK	P
C92651	0	0	0	1	0	4D	CK	Q
C92661	0	0	1	2	0	4D	AJ	Q
C92662	0	1	0	1	0	3D	BK	PQ
C92676	0	0	1	1	0	0	BJ	Q
C92682	0	0	1	1	0	4D	BK	PQ
C92684	0	0	1	1	0	0	AJ	Q
Group: 4 Dose Level: 5.0			Dosage Unit: ppm T-6295					
C92711	0	0	1	1	0	4D	CK	PQ
C92713	0	0	1	1	0	0	AJ	Q
C92714	0	0	1	1	0	1D	BJ	Q
C92716	0	0	0	1	0	4D	BK	Q
C92719	0	1	1	1	0	2D	BK	PQ
C92722	0	0	1	3	0	0	AJ	Q
C92726	0	0	1	1	0	3D	BK	Q
C92728	0	2	0	2	0	4D	BK	Q
C92741	0	0	1	1	0	3D	AJ	Q
C92748	0	0	1	1	0	4D	BK	Q

Appendix 5

Individual Clinical Urinalysis Data

Males Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	RBC PER HPF	WBC PER HPF	EPITH PER HPF	BACT PER HPF	CASTS PER LPF	CRYSTALS PER LPF1	URINE APP1	COMMENTS
Group: 5 Dose Level: 20.0			Dosage Unit: ppm T-6295					
C92754	0	0	1	1	0	4D	CK	Q
C92765	0	0	0	1	0	3D	BK	Q
C92767	0	0	1	2	0	0	AJ	Q
C92774	0	0	0	1	0	4D	CJ	PQ
C92777	0	0	1	1	0	0	BJ	Q
C92784	0	0	1	2	0	1B4D	CJ	PQ
C92789	2	1	1	1	0	1D	BK	PQ
C92799	0	0	1	1	0	1D	BJ	Q
C92812	0	0	1	2	0	4D	BK	PQ
C92820	0	0	1	2	0	2B4D	BJ	PQ

Appendix 5

Individual Clinical Urinalysis Data

Females Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U VOL ML	SP GR	U PH
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295
C92863	4.3	1.033	7.0
C92865	7.0	1.023	7.0
C92871	.7	1.056	7.0
C92880	2.3	1.025	6.5
C92887	6.2	1.020	6.5
C92898	4.5	1.022	6.5
C92903	6.5	1.020	7.0
C92905	49.5 a	1.002	6.5
C92906	48.5 a	1.003	7.0
C92927	45.5 a	1.001	6.5
MEAN	17.5	1.020	6.8
S.D.	21.04	.0166	.26
N	10	10	10
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295
C92935	3.2	1.030	7.0
C92940	18.5	1.006	8.0
C92944	49.9 a	1.003	7.0
C92948	7.0	1.020	6.5
C92956	12.3	1.015	7.5
C92962	49.2 a	1.003	6.5
C92967	6.9	1.021	6.5
C92978	11.5	1.019	6.5
C92986	6.5	1.018	7.0
C92987	3.1	1.022	7.0
MEAN	16.8	1.016	7.0
S.D.	17.86	.0090	.50
N	10	10	10

a Sample was overflowing at the time of collection.

Appendix 5

Individual Clinical Urinalysis Data

Females Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U VOL ML	SP GR	U PH
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295
C92992	18.8	1.008	7.0
C92993	3.6	1.024	6.5
C93000	5.0	1.019	6.5
C93018	8.0	1.015	7.0
C93019	20.4	1.010	7.5
C93023	4.2	1.026	6.5
C93024	5.0	1.019	7.0
C93026	3.4	1.029	7.0
C93030	2.7	1.033	6.5
C93035	7.1	1.027	6.5
MEAN	7.8	1.021	6.8
S.D.	6.43	.0082	.35
N	10	10	10
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295
C93051	8.7	1.019	6.5
C93064	16.0	1.008	7.0
C93071	48.0 a	1.002	6.5
C93076	19.6	1.009	7.0
C93078	45.5 a	1.003	7.0
C93085	12.1	1.012	6.5
C93089	21.5	1.012	7.0
C93090	41.5	1.006	7.5
C93093	25.8	1.013	6.5
C93109	18.5	1.010	6.5
MEAN	25.7	1.009	6.8
S.D.	14.20	.0050	.35
N	10	10	10

a Sample was overflowing at the time of collection.

Appendix 5

Individual Clinical Urinalysis Data

Females Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U VOL ML	SP GR	U PH
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295
C93111	13.5	1.014	7.0
C93113	12.2	1.010	7.0
C93120	8.0	1.018	7.5
C93127	38.0	1.003	6.5
C93135	46.5 a	1.004	7.0
C93143	6.0	1.022	7.0
C93155	1.5	1.043	6.5
C93162	13.2	1.012	7.0
C93169	7.2	1.020	6.5
C93178	49.0 a	1.005	7.0
MEAN	19.5	1.015	6.9
S.D.	17.83	.0119	.32
N	10	10	10

a Sample was overflowing at the time of collection.

Appendix 5

Individual Clinical Urinalysis Data

Females Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U PRO MG/DL	U GLU	U KET	U BILI	U BLOOD	UROBILI
Group: 1 Dose Level: 0 Dosage Unit: ppm T-6295						
C92863	30	-	-	-	-	-
C92865	10	-	-	-	-	-
C92871	30	-	-	-	-	-
C92880	10	-	-	-	-	-
C92887	10	-	-	-	-	-
C92898	10	-	-	-	-	-
C92903	10	-	-	-	-	-
C92905	0	-	-	-	-	-
C92906	0	-	-	-	-	-
C92927	0	-	-	-	-	-
Group: 2 Dose Level: 0.5 Dosage Unit: ppm T-6295						
C92935	10	-	-	-	-	-
C92940	0	-	-	-	+	-
C92944	0	-	-	-	-	-
C92948	10	-	-	-	-	-
C92956	10	-	-	-	-	-
C92962	0	-	-	-	-	-
C92967	10	-	-	-	-	-
C92978	30	-	-	-	-	-
C92986	10	-	-	-	-	-
C92987	10	-	-	-	-	-

Appendix 5

Individual Clinical Urinalysis Data

Females Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U PRO MG/DL	U GLU	U KET	U BILI	U BLOOD	UROBILI
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295			
C92992	0	-	-	-	-	-
C92993	10	-	-	-	-	-
C93000	10	-	-	-	-	-
C93018	10	-	-	-	-	-
C93019	0	-	-	-	-	-
C93023	10	-	-	-	-	-
C93024	10	-	-	-	-	-
C93026	30	-	-	-	-	-
C93030	30	-	-	-	-	-
C93035	10	-	-	-	-	-
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295			
C93051	10	-	-	-	-	-
C93064	0	-	-	-	-	-
C93071	0	-	-	-	-	-
C93076	0	-	-	-	-	-
C93078	0	-	-	-	-	-
C93085	0	-	-	-	-	-
C93089	0	-	-	-	-	-
C93090	0	-	-	-	-	-
C93093	0	-	-	-	-	-
C93109	0	-	-	-	-	-

Appendix 5

Individual Clinical Urinalysis Data

Females Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U PRO MG/DL	U GLU	U KET	U BILI	U BLOOD	UROBILI
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295			
C93111	0	-	-	-	-	-
C93113	0	-	-	-	-	-
C93120	10	-	-	-	-	-
C93127	0	-	-	-	-	-
C93135	0	-	-	-	-	-
C93143	10	-	-	-	-	-
C93155	10	-	-	-	-	-
C93162	0	-	-	-	-	-
C93169	10	-	-	-	-	-
C93178	0	-	-	-	-	-

Appendix 5

Individual Clinical Urinalysis Data

Females Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	RBC PER HPF	WBC PER HPF	EPITH PER HPF	BACT PER HPF	CASTS PER LPF	CRYSTALS PER LPF1	URINE APP1	COMMENTS
Group: 1 Dose Level: 0			Dosage Unit: ppm T-6295					
C92863	1	0	0	1	0	0	CK	-
C92865	0	0	1	1	0	0	CJ	S
C92871 QS	-	-	-	-	-	-	DJ	-
C92880	0	0	0	2	0	0	BJ	P
C92887	0	0	1	1	0	0	BJ	-
C92898	0	0	1	1	0	1D	BJ	P
C92903	0	0	1	2	0	2D	BJ	-
C92905	0	0	1	1	0	1D	AJ	-
C92906	0	0	0	1	0	0	AJ	-
C92927	0	0	1	1	0	0	AJ	-
Group: 2 Dose Level: 0.5			Dosage Unit: ppm T-6295					
C92935	0	1	1	2	0	4D	CJ	P
C92940	0	0	0	3	0	3B4D	CJ	-
C92944	0	0	0	1	0	0	AJ	-
C92948	0	0	0	1	0	1B1D	CJ	P
C92956	0	0	1	2	0	2D	CJ	P
C92962	0	0	0	1	0	0	AJ	-
C92967	0	0	1	1	0	1D	BJ	P
C92978	0	0	1	1	0	1D	BJ	P
C92986	0	0	1	2	0	4D	CJ	P
C92987	0	0	0	1	0	4D	BJ	-

Appendix 5

Individual Clinical Urinalysis Data

Females Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	RBC PER HPF	WBC PER HPF	EPITH PER HPF	BACT PER HPF	CASTS PER LPF	CRYSTALS PER LPF1	URINE APP1	COMMENTS
Group: 3 Dose Level: 2.0			Dosage Unit: ppm T-6295					
C92992	0	0	1	1	0	0	AJ	-
C92993	0	0	1	3	0	4B	BJ	-
C93000	0	0	1	1	0	3D	BJ	P
C93018	0	0	1	2	0	4D	BJ	P
C93019	0	1	1	1	0	1B1D	BJ	-
C93023	0	0	1	1	0	1D	CJ	P
C93024	0	0	1	1	0	1D	CJ	-
C93026	0	1	1	2	0	2D	CK	-
C93030	0	0	1	1	0	2D	CJ	P
C93035	0	1	1	1	0	4D	BJ	P
Group: 4 Dose Level: 5.0			Dosage Unit: ppm T-6295					
C93051	0	0	1	1	0	1D	BJ	P
C93064	0	0	0	1	0	1B	BJ	P
C93071	0	1	1	1	0	0	AJ	-
C93076	0	0	1	1	0	0	AJ	P
C93078	0	0	1	1	0	0	AJ	-
C93085	0	0	1	1	0	0	BJ	-
C93089	0	0	0	1	0	4D	BJ	-
C93090	0	1	1	1	0	1D	AJ	-
C93093	0	0	0	1	0	1D	BK	-
C93109	0	0	0	1	0	0	BJ	-

Appendix 5

Individual Clinical Urinalysis Data

Females Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	RBC PER HPF	WBC PER HPF	EPITH PER HPF	BACT PER HPF	CASTS PER LPF	CRYSTALS PER LPF1	URINE APP1	COMMENTS
Group: 5 Dose Level: 20.0			Dosage Unit: ppm T-6295					
C93111	0	0	1	1	0	4D	BJ	P
C93113	0	0	0	1	0	0	BJ	P
C93120	0	0	0	1	0	4D	CJ	-
C93127	0	1	0	1	0	0	AJ	-
C93135	0	0	0	3	0	0	AJ	-
C93143	0	0	1	1	0	4D	BJ	P
C93155	0	0	1	1	0	4D	CJ	P
C93162	0	1	1	2	0	2B	BJ	P
C93169	0	0	1	1	0	0	BJ	-
C93178	0	0	1	1	0	0	AJ	-

Appendix 5

Individual Clinical Urinalysis Data

Males Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U VOL ML	SP GR	U PH
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295
C92505	4.5	1.028	6.5
C92510	4.6	1.047	6.5
C92512	16.2	1.017	6.5
C92525	19.0	1.017	7.5
C92537	15.4	1.022	7.0
C92543	18.4	1.016	7.0
C92545	22.2	1.014	7.0
C92563	7.5	1.031	7.0
C92567	23.5	1.014	7.0
C92570	20.4	1.016	7.0
MEAN	15.2	1.022	6.9
S.D.	7.12	.0105	.32
N	10	10	10
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295
C92577	12.2	1.019	7.0
C92583	10.6	1.018	7.0
C92585	10.6	1.024	7.0
C92586	13.0	1.020	7.0
C92588	14.6	1.016	7.5
C92590	28.2	1.010	7.0
C92601	10.0	1.021	7.0
C92602	17.8	1.012	7.5
C92617	11.0	1.025	7.0
C92630	34.5	1.009	7.0
MEAN	16.2	1.017	7.1
S.D.	8.42	.0056	.21
N	10	10	10

Appendix 5

Individual Clinical Urinalysis Data

Males Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U VOL ML	SP GR	U PH
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295
C92633	17.1	1.021	7.0
C92644	10.6	1.026	7.0
C92647	30.5	1.010	6.5
C92658	11.5	1.022	7.5
C92660	9.2	1.024	7.0
C92667	21.9	1.013	7.5
C92673	10.4	1.024	6.5
C92679	17.4	1.015	7.0
C92686	12.0	1.019	7.0
C92687	20.9	1.017	6.5
MEAN	16.2	1.019	7.0
S.D.	6.79	.0053	.37
N	10	10	10
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295
C92696	16.1	1.017	7.0
C92698	47.7 a	1.004	6.5
C92708	11.2	1.024	7.0
C92709	23.0	1.015	7.0
C92710	8.6	1.030	7.0
C92725	14.5	1.013	7.5
C92743	20.2	1.015	7.0
C92745	8.1	1.039	7.0
C92749	5.6	1.024	7.0
C92750	49.0 a	1.006	7.0
MEAN	20.4	1.019	7.0
S.D.	15.70	.0107	.24
N	10	10	10

a Sample was overflowing at the time of collection.

Appendix 5

Individual Clinical Urinalysis Data

Males Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U VOL ML	SP GR	U PH
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295
C92756	16.5	1.022	7.0
C92761	7.0	1.027	6.5
C92764	1.5	1.086	6.5
C92773	16.1	1.019	7.0
C92783	8.8	1.038	6.5
C92788	47.7 a	1.007	7.0
C92791	10.4	1.030	7.0
C92803	19.5	1.014	7.0
C92804	4.9	1.037	7.0
C92820	46.8 a	1.006	6.5
MEAN	17.9	1.029	6.8
S.D.	16.42	.0231	.26
N	10	10	10

a Sample was overflowing at the time of collection.

Appendix 5

Individual Clinical Urinalysis Data

Males Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U PRO MG/DL	U GLU	U KET	U BILI	U BLOOD	UROBILI
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295			
C92505	10	-	+	-	-	-
C92510	30	-	+	-	+++	-
C92512	30	-	-	-	-	-
C92525	30	-	+	-	+++	-
C92537	10	-	-	-	-	-
C92543	10	-	-	-	-	-
C92545	10	-	+	-	-	-
C92563	300	-	-	-	-	-
C92567	10	-	-	-	-	-
C92570	100	-	+	-	-	-
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295			
C92577	10	-	-	-	-	-
C92583	10	-	+	-	-	-
C92585	100	-	-	-	-	-
C92586	10	-	-	-	-	-
C92588	10	-	-	-	-	-
C92590	10	-	-	-	-	-
C92601	10	-	+	-	-	-
C92602	10	-	-	-	-	-
C92617	30	-	-	-	-	-
C92630	100	-	-	-	-	-

Appendix 5

Individual Clinical Urinalysis Data

Males Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U PRO MG/DL	U GLU	U KET	U BILI	U BLOOD	UROBILI
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295			
C92633	10	-	+	-	-	-
C92644	10	-	-	-	-	-
C92647	0	-	-	-	-	-
C92658	30	-	-	-	-	-
C92660	30	-	+	-	-	-
C92667	10	-	-	-	+	-
C92673	10	-	-	-	-	-
C92679	10	-	+	-	-	-
C92686	10	-	-	-	-	-
C92687	100	-	-	-	-	-
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295			
C92696	10	-	+	-	-	-
C92698	0	-	-	-	-	-
C92708	10	-	++	-	-	-
C92709	300	-	-	-	-	-
C92710	30	-	+	-	-	-
C92725	10	-	+	-	-	-
C92743	10	-	+	-	-	-
C92745	100	-	+	-	-	-
C92749	10	-	+	-	-	-
C92750	0	-	-	-	-	-

Appendix 5

Individual Clinical Urinalysis Data

Males Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U PRO MG/DL	U GLU	U KET	U BILI	U BLOOD	UROBILI
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295			
C92756	30	-	+	-	-	-
C92761	10	-	-	-	-	-
C92764	300	-	+	-	-	-
C92773	10	-	-	-	-	-
C92783	100	-	+	-	-	-
C92788	0	-	-	-	-	-
C92791	30	-	+	-	-	-
C92803	10	-	-	-	-	-
C92804	30	-	+	-	-	-
C92820	10	-	-	-	-	-

Appendix 5

Individual Clinical Urinalysis Data

Males Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	RBC PER HPF	WBC PER HPF	EPITH PER HPF	BACT PER HPF	CASTS PER LPF	CRYSTALS PER LPF1	URINE APP1	COMMENTS
Group: 1 Dose Level: 0			Dosage Unit: ppm T-6295					
C92505	0	1	1	2	0	3D	BJ	PQ
C92510	4	0	1	1	0	3D	CK	Q
C92512	0	0	1	2	0	0	BJ	PQ
C92525	1	0	1	2	0	3D	BJ	PQ
C92537	0	1	0	1	0	4D	BJ	Q
C92543	0	0	0	1	0	4D	BJ	PQ
C92545	0	0	1	2	0	1B3D	BJ	Q
C92563	0	1	1	2	1G	1B1D	BJ	PQ
C92567	0	0	1	3	0	1D1E	BJ	Q
C92570	0	0	1	2	0	1D	BJ	Q
Group: 2 Dose Level: 0.5			Dosage Unit: ppm T-6295					
C92577	0	0	1	2	0	4D	BJ	PQ
C92583	0	1	1	2	0	4D	BJ	PQ
C92585	0	1	0	2	0	3D	BJ	PQ
C92586	0	0	1	2	0	2B2D	BJ	PQ
C92588	0	0	1	3	0	4D	BJ	PQ
C92590	0	1	1	1	0	1B1D	AJ	Q
C92601	0	1	1	2	0	2B2D	BJ	PQ
C92602	0	1	1	2	0	4D	BJ	PQ
C92617	0	0	1	1	0	2D	BJ	Q
C92630	0	1	1	1	0	1D	AJ	Q

Appendix 5

Individual Clinical Urinalysis Data

Males Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	RBC PER HPF	WBC PER HPF	EPITH PER HPF	BACT PER HPF	CASTS PER LPF	CRYSTALS PER LPF1	URINE APP1	COMMENTS
Group: 3 Dose Level: 2.0			Dosage Unit: ppm T-6295					
C92633	0	1	1	2	0	2B2D	BJ	PQ
C92644	0	0	1	3	0	4D	BJ	PQ
C92647	0	1	1	2	0	1B1D	AJ	Q
C92658	0	0	1	2	0	3D	BJ	Q
C92660	0	1	1	2	0	4D	BJ	Q
C92667	0	0	0	2	0	2B2D	BJ	Q
C92673	0	0	0	1	0	1D	BJ	Q
C92679	0	0	1	1	0	1B1D	BJ	Q
C92686	0	1	1	2	0	1B1D	BJ	Q
C92687	0	1	1	2	1H	1B1D	BJ	Q
Group: 4 Dose Level: 5.0			Dosage Unit: ppm T-6295					
C92696	0	0	1	2	0	4D	BJ	Q
C92698	0	0	1	1	0	1D	AJ	Q
C92708	0	0	1	1	0	3D	BJ	Q
C92709	0	0	1	2	0	4D	BJ	Q
C92710	0	0	1	3	0	4D	BJ	Q
C92725	0	0	1	2	0	4D	BJ	PQ
C92743	0	1	1	2	0	1B1D	BJ	Q
C92745	0	1	1	2	0	4D	BJ	PQ
C92749	0	0	0	2	0	4D	BJ	PQ
C92750	0	0	1	1	0	1D	AJ	Q

Appendix 5

Individual Clinical Urinalysis Data

Males Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	RBC PER HPF	WBC PER HPF	EPITH PER HPF	BACT PER HPF	CASTS PER LPF	CRYSTALS PER LPF1	URINE APP1	COMMENTS
Group: 5 Dose Level: 20.0			Dosage Unit: ppm T-6295					
C92756	0	0	1	3	0	3D	BJ	PQ
C92761	1	0	1	2	0	0	BJ	Q
C92764	0	0	0	1	0	4D	CK	PQ
C92773	0	0	0	2	0	4D	BJ	Q
C92783	0	0	1	2	0	3D	BJ	PQ
C92788	0	0	1	1	0	1B	AJ	Q
C92791	0	0	0	2	0	2D	BJ	PQ
C92803	0	0	1	1	0	2D	BJ	PQ
C92804	0	1	1	2	0	2D	BJ	Q
C92820	0	1	1	1	0	1D	AJ	Q

Appendix 5

Individual Clinical Urinalysis Data

Females Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U VOL ML	SP GR	U PH
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295
C92876	1.8	1.046	6.5
C92878	10.5	1.014	6.5
C92888	7.0	1.022	6.5
C92906	26.4	1.004	6.5
C92916	13.6	1.018	7.0
C92917	5.2	1.031	6.5
C92921	47.4 a	1.002	6.5
C92922	47.0 a	1.002	6.5
C92923	13.1	1.012	6.5
C92928	4.0	1.006	7.0
MEAN	17.6	1.016	6.6
S.D.	17.05	.0142	.21
N	10	10	10
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295
C92932	13.6	1.018	6.5
C92935	6.1	1.026	7.0
C92938	20.4	1.007	6.5
C92951	8.0	1.017	7.0
C92954	22.5	1.006	6.5
C92956	11.5	1.018	6.5
C92960	14.8	1.016	7.0
C92974	47.0 a	1.002	6.5
C92979	9.5	1.016	7.0
C92989	5.2	1.031	6.0
MEAN	15.9	1.016	6.6
S.D.	12.34	.0089	.34
N	10	10	10

a Sample was overflowing at the time of collection.

Appendix 5

Individual Clinical Urinalysis Data

Females Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U VOL ML	SP GR	U PH
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295
C93003	42.2	1.006	7.0
C93004	3.4	1.024	7.0
C93011	21.7	1.009	7.0
C93020	9.1	1.019	7.0
C93027	12.8	1.012	7.0
C93030	4.0	1.034	7.0
C93034	6.9	1.019	6.5
C93046	19.5	1.008	6.5
C93047	29.7	1.006	6.5
C93049	6.2	1.021	7.0
MEAN	15.6	1.016	6.8
S.D.	12.72	.0092	.24
N	10	10	10
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295
C93052	46.0 a	1.002	6.5
C93055	5.5	1.032	6.5
C93072	9.5	1.018	7.0
C93080	30.5	1.006	7.0
C93081	39.2	1.006	7.0
C93090	19.2	1.010	7.5
C93094	24.9	1.010	7.0
C93095	1.7	1.032	7.0
C93103	20.0	1.012	7.0
C93104	19.5	1.013	6.5
MEAN	21.6	1.014	6.9
S.D.	14.18	.0104	.32
N	10	10	10

a Sample was overflowing at the time of collection.

Appendix 5

Individual Clinical Urinalysis Data

Females Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U VOL ML	SP GR	U PH
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295
C93119	24.4	1.005	6.5
C93131	5.8	1.025	6.5
C93133	1.2	1.062	6.5
C93138	13.7	1.011	6.5
C93149	11.5	1.013	7.0
C93153	11.2	1.017	7.0
C93157	40.9	1.006	6.0
C93160	9.0	1.022	7.0
C93162	15.8	1.018	6.0
C93179	3.9	1.036	6.5
MEAN	13.7	1.022	6.6
S.D.	11.58	.0170	.37
N	10	10	10

Appendix 5

Individual Clinical Urinalysis Data

Females Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U PRO MG/DL	U GLU	U KET	U BILI	U BLOOD	UROBILI
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295			
C92876	100	-	-	-	+	-
C92878	0	-	-	-	+	-
C92888	0	-	-	-	-	-
C92906	0	-	-	-	+	-
C92916	100	-	-	-	-	-
C92917	10	-	-	-	-	-
C92921	0	-	-	-	-	-
C92922	0	-	-	-	-	-
C92923	0	-	-	-	-	-
C92928	0	-	-	-	-	-
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295			
C92932	0	-	-	-	-	-
C92935	10	-	-	-	-	-
C92938	0	-	-	-	-	-
C92951	10	-	-	-	-	-
C92954	0	-	-	-	-	-
C92956	0	-	-	-	-	-
C92960	0	-	-	-	-	-
C92974	0	-	-	-	-	-
C92979	10	-	-	-	-	-
C92989	0	-	-	-	-	-

Appendix 5

Individual Clinical Urinalysis Data

Females Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U PRO MG/DL	U GLU	U KET	U BILI	U BLOOD	UROBILI
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295			
C93003	0	-	-	-	-	-
C93004	10	-	-	-	-	-
C93011	0	-	-	-	-	-
C93020	0	-	-	-	-	-
C93027	0	-	-	-	-	-
C93030	10	-	-	-	-	-
C93034	0	-	-	-	-	-
C93046	0	-	-	-	-	-
C93047	0	-	-	-	-	-
C93049	0	-	-	-	-	-
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295			
C93052	0	-	-	-	-	-
C93055	0	-	-	-	-	-
C93072	10	-	-	-	-	-
C93080	0	-	-	-	-	-
C93081	0	-	-	-	-	-
C93090	0	-	-	-	-	-
C93094	0	-	-	-	-	-
C93095	10	-	-	-	-	-
C93103	0	-	-	-	-	-
C93104	0	-	-	-	-	-

Appendix 5

Individual Clinical Urinalysis Data

Females Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U PRO MG/DL	U GLU	U KET	U BILI	U BLOOD	UROBILI
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295			
C93119	0	-	-	-	-	-
C93131	10	-	-	-	-	-
C93133	30	-	-	-	-	-
C93138	0	-	-	-	-	-
C93149	0	-	-	-	-	-
C93153	0	-	-	-	-	-
C93157	0	-	-	-	-	-
C93160	10	-	-	-	-	-
C93162	0	-	-	-	-	-
C93179	10	-	-	-	-	-

Appendix 5

Individual Clinical Urinalysis Data

Females Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	RBC PER HPF	WBC PER HPF	EPITH PER HPF	BACT PER HPF	CASTS PER LPF	CRYSTALS PER LPF1	URINE APP1	COMMENTS
Group: 1 Dose Level: 0			Dosage Unit: ppm T-6295					
C92876	0	0	1	1	0	0	CJ	P
C92878	0	0	0	1	0	0	BJ	P
C92888	0	0	0	1	0	1B	BJ	P
C92906	0	0	0	1	0	0	AJ	-
C92916	0	0	0	2	0	1D	BJ	P
C92917	0	0	0	1	0	0	BJ	P
C92921	0	0	1	3	0	0	AJ	-
C92922	0	0	1	1	0	0	AJ	-
C92923	0	0	1	1	0	0	BJ	P
C92928	0	0	0	1	0	0	AJ	-
Group: 2 Dose Level: 0.5			Dosage Unit: ppm T-6295					
C92932	0	1	1	1	0	0	BJ	P
C92935	0	0	1	1	0	3D	BJ	P
C92938	0	0	1	1	0	0	AJ	P
C92951	0	0	1	2	0	2B	BJ	P
C92954	0	0	1	1	0	0	AJ	P
C92956	0	1	1	3	0	0	BJ	-
C92960	0	0	1	1	0	0	BJ	-
C92974	0	0	0	2	0	0	AJ	-
C92979	0	0	0	2	0	2D	BJ	P
C92989	0	1	1	1	0	0	BJ	P

Appendix 5

Individual Clinical Urinalysis Data

Females Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	RBC PER HPF	WBC PER HPF	EPITH PER HPF	BACT PER HPF	CASTS PER LPF	CRYSTALS PER LPF1	URINE APP1	COMMENTS
Group: 3 Dose Level: 2.0			Dosage Unit: ppm T-6295					
C93003	0	0	1	1	0	2D	AJ	-
C93004	0	0	1	1	0	0	BJ	-
C93011	0	0	1	1	0	3D	AJ	P
C93020	0	0	0	1	0	0	BJ	-
C93027	0	1	1	1	0	0	AJ	P
C93030	0	0	1	3	0	4D	BJ	P
C93034	0	1	0	2	0	2B	BJ	P
C93046	0	0	1	2	0	0	AJ	P
C93047	0	0	1	2	0	0	AJ	-
C93049	0	0	1	1	0	4D	BJ	P
Group: 4 Dose Level: 5.0			Dosage Unit: ppm T-6295					
C93052	0	0	1	1	0	0	AJ	-
C93055	0	0	1	2	0	2B	BJ	-
C93072	0	0	1	2	0	1B	BJ	PT
C93080	0	0	1	1	0	0	AJ	-
C93081	0	0	1	1	0	0	AJ	-
C93090	0	0	1	2	0	3D	AJ	P
C93094	0	0	0	1	0	3D	AJ	P
C93095 QS	-	-	-	-	-	-	BJ	-
C93103	0	0	1	2	0	3D	BJ	P
C93104	0	0	1	2	0	1B	BJ	P

Appendix 5

Individual Clinical Urinalysis Data

Females Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	RBC PER HPF	WBC PER HPF	EPITH PER HPF	BACT PER HPF	CASTS PER LPF	CRYSTALS PER LPF1	URINE APP1	COMMENTS
Group: 5 Dose Level: 20.0			Dosage Unit: ppm T-6295					
C93119	0	0	1	1	0	0	AJ	-
C93131	0	0	0	2	0	1B	BJ	P
C93133	0	0	1	1	0	4D	CJ	P
C93138	0	0	1	1	0	0	AJ	P
C93149	0	0	1	2	0	0	BJ	P
C93153	0	0	1	1	0	0	BJ	P
C93157	0	0	0	1	0	0	AJ	-
C93160	0	0	1	1	0	0	BJ	P
C93162	0	0	1	2	0	2B	BJ	-
C93179	0	0	1	1	0	0	BJ	P

Appendix 5

Individual Clinical Urinalysis Data

Males Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U VOL ML	SP GR	U PH
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295
C92501	13.3	1.030	7.0
C92504	19.0	1.014	6.5
C92507	30.5	1.007	7.0
C92512	9.6	1.021	6.5
C92517	6.5	1.043	6.5
C92523	6.8	1.028	6.5
C92534	4.6	1.038	6.0
C92540	9.0	1.029	6.5
C92562	9.5	1.023	6.5
C92570	16.2	1.016	7.0
MEAN	12.5	1.025	6.6
S.D.	7.75	.0110	.32
N	10	10	10
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295
C92573	10.2	1.034	6.5
C92587	19.0	1.024	7.0
C92592	9.6	1.030	6.5
C92596	15.8	1.023	7.0
C92604	28.0	1.015	7.0
C92612	16.0	1.020	7.0
C92614	2.1	1.050	6.5
C92624	48.0 a	1.011	6.5
C92625	6.7	1.041	6.5
C92629	24.8	1.017	6.5
MEAN	18.0	1.026	6.7
S.D.	13.20	.0123	.26
N	10	10	10

a Sample was overflowing at the time of collection.

Appendix 5

Individual Clinical Urinalysis Data

Males Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U VOL ML	SP GR	U PH
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295
C92634	8.7	1.026	6.5
C92635	11.2	1.021	6.5
C92643	10.1	1.019	7.0
C92649	16.2	1.013	7.0
C92653	24.5	1.018	7.5
C92654	30.0	1.014	7.5
C92667	26.5	1.015	7.0
C92669	14.5	1.023	7.5
C92680	10.2	1.030	7.5
C92686	10.0	1.030	CO
MEAN	16.2	1.021	7.1
S.D.	7.90	.0063	.42
N	10	10	9
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295
C92694	28.5	1.011	6.5
C92704	4.0	1.051	7.0
C92710	8.5	1.025	7.0
C92711	9.0	1.028	7.5
C92727	12.6	1.025	6.5
C92729	11.0	1.025	7.0
C92739	8.2	1.034	6.5
C92741	11.4	1.021	7.5
C92742	3.2	1.074	6.5
C92748	19.8	1.021	7.0
MEAN	11.6	1.032	6.9
S.D.	7.53	.0182	.39
N	10	10	10

Appendix 5

Individual Clinical Urinalysis Data

Males Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U VOL ML	SP GR	U PH
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295
C92751	9.4	1.032	7.0
C92754	11.0	1.023	7.5
C92755	3.0	1.038	6.0
C92778	12.2	1.026	7.0
C92790	6.7	1.037	7.0
C92795	17.4	1.020	6.5
C92796	16.0	1.020	6.5
C92817	9.2	1.033	7.0
C92820	14.2	1.020	7.5
MEAN	11.0	1.028	6.9
S.D.	4.55	.0074	.49
N	9	9	9

Appendix 5

Individual Clinical Urinalysis Data

Males Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U PRO MG/DL	U GLU	U KET	U BILI	U BLOOD	UROBILI
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295			
C92501	300	-	-	-	-	-
C92504	100	-	-	-	-	-
C92507	100	-	-	-	-	-
C92512	100	-	-	-	-	-
C92517	300	-	-	-	-	-
C92523	100	-	-	-	+++	-
C92534	100	-	-	-	-	-
C92540	300	-	-	-	-	-
C92562	30	-	-	-	-	-
C92570	300	-	-	-	-	-
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295			
C92573	300	-	-	-	-	-
C92587	300	-	-	-	-	-
C92592	100	-	-	-	-	-
C92596	100	-	-	-	-	-
C92604	30	-	-	-	-	-
C92612	30	-	-	-	-	-
C92614	300	-	-	-	-	-
C92624	300	-	-	-	-	-
C92625	300	-	-	-	-	-
C92629	300	-	-	-	-	-

Appendix 5

Individual Clinical Urinalysis Data

Males Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U PRO MG/DL	U GLU	U KET	U BILI	U BLOOD	UROBILI
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295			
C92634	100	-	-	-	-	-
C92635	30	-	-	-	-	-
C92643	30	-	-	-	-	-
C92649	10	-	-	-	-	-
C92653	100	-	-	-	-	-
C92654	30	-	-	-	-	-
C92667	100	-	-	-	+++	-
C92669	30	-	-	-	-	-
C92680	300	-	-	-	-	-
C92686	CO	-	CO	CO	+++	CO
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295			
C92694	10	-	-	-	-	-
C92704	100	-	-	-	++	-
C92710	30	-	-	-	-	-
C92711	100	-	-	-	-	-
C92727	300	-	-	-	-	-
C92729	300	-	-	-	-	-
C92739	30	-	-	-	-	-
C92741	30	-	-	-	-	-
C92742	300	-	-	-	-	-
C92748	300	-	-	-	-	-

Appendix 5

Individual Clinical Urinalysis Data

Males Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U PRO MG/DL	U GLU	U KET	U BILI	U BLOOD	UROBILI
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295			
C92751	30	-	-	-	-	-
C92754	30	-	+	-	-	-
C92755	100	-	-	-	+	-
C92778	100	-	-	-	-	-
C92790	300	-	+	-	-	-
C92795	30	-	-	-	-	-
C92796	30	-	-	-	-	-
C92817	30	-	-	-	-	-
C92820	30	-	-	-	-	-

Appendix 5

Individual Clinical Urinalysis Data

Males Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	RBC PER HPF	WBC PER HPF	EPITH PER HPF	BACT PER HPF	CASTS PER LPF	CRYSTALS PER LPF1	URINE APP1	COMMENTS
Group: 1 Dose Level: 0			Dosage Unit: ppm T-6295					
C92501	0	0	1	3	1G	1D	BJ	P
C92504	1	1	1	1	0	0	BJ	P
C92507	0	0	0	2	0	0	AJ	P
C92512	0	0	1	1	0	0	BJ	-
C92517	0	0	1	3	0	4D	CJ	PQ
C92523	0	0	1	2	0	4D	BJ	PQ
C92534	0	0	1	1	0	0	BJ	PQ
C92540	0	1	1	3	1G	4D	BJ	PQ
C92562	0	0	1	1	0	4D	BJ	P
C92570	0	1	1	1	0	1B	BJ	P
Group: 2 Dose Level: 0.5			Dosage Unit: ppm T-6295					
C92573	0	0	0	2	1G	0	CK	P
C92587	0	0	0	1	0	0	CK	-
C92592	0	0	1	3	0	4D	CJ	PQ
C92596	0	1	1	2	0	1B	CK	P
C92604	0	1	0	1	0	1B1D	BJ	P
C92612	0	0	0	2	0	2D	CK	Q
C92614	0	0	0	2	0	4D	CJ	PQ
C92624	0	0	0	2	1G1H	0	AJ	P
C92625	0	1	1	2	1G	1B1D	CK	PQ
C92629	0	1	1	2	1G1I	2B	BK	PQ

Appendix 5

Individual Clinical Urinalysis Data

Males Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	RBC PER HPF	WBC PER HPF	EPITH PER HPF	BACT PER HPF	CASTS PER LPF	CRYSTALS PER LPF1	URINE APP1	COMMENTS
Group: 3 Dose Level: 2.0			Dosage Unit: ppm T-6295					
C92634	0	0	1	1	0	0	CK	PQ
C92635	0	1	0	1	0	1B	CK	PQ
C92643	0	0	1	1	0	4D	CK	PQ
C92649	0	0	1	2	0	0	BJ	PQ
C92653	0	0	0	2	0	4D	BK	Q
C92654	0	0	1	2	0	4D	BK	PQ
C92667	1	0	0	2	0	0	BK	Q
C92669	0	0	1	1	0	4D	CK	PQ
C92680	0	0	1	2	0	4D	CK	PQ
C92686	4	0	0	0	0	0	GL	-
Group: 4 Dose Level: 5.0			Dosage Unit: ppm T-6295					
C92694	0	0	0	1	0	0	BJ	PQ
C92704	1	0	1	1	0	2D	DK	PQ
C92710	0	0	0	1	0	1B	CK	PQ
C92711	0	0	1	2	0	4D	CK	PQ
C92727	0	0	1	1	0	0	CK	PQ
C92729	0	0	1	2	0	2B4D	BJ	PQ
C92739	0	1	1	2	0	1B1D	CK	PS
C92741	0	0	1	2	0	4D	BJ	P
C92742	0	0	1	1	0	3D	DK	Q
C92748	0	0	1	1	0	2D	CK	PQ

Appendix 5

Individual Clinical Urinalysis Data

Males Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	RBC PER HPF	WBC PER HPF	EPITH PER HPF	BACT PER HPF	CASTS PER LPF	CRYSTALS PER LPF1	URINE APP1	COMMENTS
Group: 5 Dose Level: 20.0			Dosage Unit: ppm T-6295					
C92751	0	0	1	3	0	4D	CJ	PQ
C92754	0	0	1	2	0	4D	BJ	P
C92755	0	0	1	3	0	0	CJ	P
C92778	0	0	1	1	0	4D	BJ	P
C92790	0	1	0	2	0	2B3D	CK	PQ
C92795	0	0	1	2	0	0	BJ	P
C92796	0	1	1	1	0	2B	BJ	PQ
C92817	0	0	1	1	0	4D	CJ	P
C92820	0	2	0	2	0	1B3D	BJ	PQ

Appendix 5

Individual Clinical Urinalysis Data

Females Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U VOL ML	SP GR	U PH
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295
C92862	6.8	1.023	6.0
C92876	8.0	1.028	6.5
C92889	10.6	1.019	7.0
C92894	8.5	1.021	6.5
C92899	7.8	1.026	6.5
C92910	9.0	1.025	6.0
C92917	14.0	1.014	6.5
C92922	8.9	1.022	7.0
C92923	8.0	1.021	6.5
C92930	9.4	1.024	6.5
MEAN	9.1	1.022	6.5
S.D.	2.00	.0039	.33
N	10	10	10
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295
C92931	15.3	1.020	7.5
C92938	3.0	1.036	6.5
C92946	5.7	1.025	7.0
C92952	9.5	1.020	6.5
C92954	4.7	1.030	6.5
C92958	6.5	1.026	6.0
C92964	3.8	1.035	6.0
C92972	10.7	1.016	7.0
C92985	5.7	1.025	7.0
C92990	12.5	1.017	6.0
MEAN	7.7	1.025	6.6
S.D.	4.07	.0070	.52
N	10	10	10

Appendix 5

Individual Clinical Urinalysis Data

Females Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U VOL ML	SP GR	U PH
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295
C92992	7.0	1.027	6.5
C92997	1.9	1.051	6.5
C93012	13.8	1.023	6.5
C93022	5.0	1.024	7.0
C93027	20.2	1.012	6.5
C93029	4.8	1.034	6.5
C93032	6.4	1.023	6.0
C93042	9.1	1.025	6.0
C93046	13.9	1.010	6.5
C93048	8.0	1.023	7.0
MEAN	9.0	1.025	6.5
S.D.	5.46	.0114	.33
N	10	10	10
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295
C93052	3.3	1.040	6.5
C93054	2.8	1.036	6.5
C93060	5.7	1.023	6.5
C93078	2.5	1.033	6.0
C93081	8.2	1.019	7.5
C93083	43.5	1.008	7.0
C93091	4.2	1.028	6.5
C93095	1.5	1.041	6.5
C93097	4.2	1.037	6.5
C93110	7.1	1.034	7.0
MEAN	8.3	1.030	6.6
S.D.	12.54	.0105	.41
N	10	10	10

Appendix 5

Individual Clinical Urinalysis Data

Females Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U VOL ML	SP GR	U PH
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295
C93112	8.7	1.025	6.0
C93116	6.2	1.024	6.0
C93117	7.3	1.021	6.5
C93120	6.5	1.024	6.0
C93130	9.8	1.022	6.5
C93138	47.5 a	1.004	6.5
C93147	4.3	1.035	6.5
C93154	2.5	1.043	6.0
C93163	3.8	1.036	6.5
C93171	4.0	1.042	6.0
MEAN	10.1	1.028	6.2
S.D.	13.35	.0117	.26
N	10	10	10

a Sample was overflowing at the time of collection.

Appendix 5

Individual Clinical Urinalysis Data

Females Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U PRO MG/DL	U GLU	U KET	U BILI	U BLOOD	UROBILI
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295			
C92862	10	-	-	-	-	-
C92876	100	-	-	-	-	-
C92889	10	-	-	-	-	-
C92894	10	-	-	-	-	-
C92899	30	-	-	-	-	-
C92910	30	-	-	-	-	-
C92917	100	-	-	-	-	-
C92922	30	-	+	-	+	-
C92923	10	-	-	-	-	-
C92930	300	-	-	-	-	-
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295			
C92931	10	-	-	-	+	-
C92938	100	-	-	-	-	-
C92946	30	-	-	-	-	-
C92952	30	-	-	-	-	-
C92954	30	-	-	-	-	-
C92958	30	-	-	-	-	-
C92964	100	-	-	-	-	-
C92972	10	-	-	-	-	-
C92985	300	-	-	-	-	-
C92990	10	-	-	-	-	-

Appendix 5

Individual Clinical Urinalysis Data

Females Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U PRO MG/DL	U GLU	U KET	U BILI	U BLOOD	UROBILI
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295			
C92992	30	-	-	-	-	-
C92997	100	-	-	-	-	-
C93012	10	-	-	-	-	-
C93022	30	-	-	-	-	-
C93027	10	-	-	-	+	-
C93029	30	-	-	-	-	-
C93032	10	-	-	-	-	-
C93042	30	-	-	-	-	-
C93046	300	-	-	-	-	-
C93048	10	-	-	-	-	-
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295			
C93052	30	-	-	-	-	-
C93054	30	-	-	-	-	-
C93060	10	-	-	-	-	-
C93078	30	-	-	-	-	-
C93081	10	-	-	-	-	-
C93083	10	-	-	-	-	-
C93091	30	-	-	-	-	-
C93095	30	-	-	-	-	-
C93097	30	-	-	-	-	-
C93110	300	-	-	-	-	-

Appendix 5

Individual Clinical Urinalysis Data

Females Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U PRO MG/DL	U GLU	U KET	U BILI	U BLOOD	UROBILI
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295			
C93112	30	-	-	-	-	-
C93116	10	-	-	-	-	-
C93117	10	-	-	-	-	-
C93120	30	-	-	-	-	-
C93130	10	-	-	-	-	-
C93138	0	-	-	-	+	-
C93147	10	-	-	-	-	-
C93154	30	-	-	-	-	-
C93163	30	-	-	-	-	-
C93171	30	-	-	-	-	-

Appendix 5

Individual Clinical Urinalysis Data

Females Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	RBC PER HPF	WBC PER HPF	EPITH PER HPF	BACT PER HPF	CASTS PER LPF	CRYSTALS PER LPF1	URINE APP1	COMMENTS
Group: 1 Dose Level: 0			Dosage Unit: ppm T-6295					
C92862	0	2	1	1	0	0	BJ	P
C92876	0	1	1	1	0	0	BJ	P
C92889	0	1	1	1	0	0	BJ	P
C92894	0	0	1	1	0	0	BJ	-
C92899	0	1	1	1	0	0	BJ	-
C92910	0	0	2	3	0	0	BJ	P
C92917	0	1	0	1	0	1D	BJ	P
C92922	4	0	1	2	0	4D1E	CK	P
C92923	0	1	1	1	0	0	BJ	P
C92930	0	1	0	1	0	1B	BJ	-
Group: 2 Dose Level: 0.5			Dosage Unit: ppm T-6295					
C92931	3	0	1	2	0	4D	CK	P
C92938	0	1	0	3	0	0	CK	P
C92946	1	1	1	1	0	3D	CK	P
C92952	0	0	1	1	0	0	BK	P
C92954	0	0	0	1	0	1B	CK	S
C92958	0	0	0	1	0	0	CJ	-
C92964	4	0	0	1	0	0	GL	-
C92972	0	0	0	1	0	1B	BK	-
C92985	0	1	1	2	0	1B1D	CK	P
C92990	0	1	0	1	0	1B	CK	-

Appendix 5

Individual Clinical Urinalysis Data

Females Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	RBC PER HPF	WBC PER HPF	EPITH PER HPF	BACT PER HPF	CASTS PER LPF	CRYSTALS PER LPF1	URINE APP1	COMMENTS
Group: 3 Dose Level: 2.0			Dosage Unit: ppm T-6295					
C92992	0	0	1	1	0	0	CK	P
C92997	0	0	1	3	0	0	DJ	P
C93012	0	1	1	2	0	2B2D	CK	P
C93022	0	0	1	1	0	0	CJ	P
C93027	0	1	1	1	0	0	BJ	P
C93029	0	0	0	1	0	0	CK	P
C93032	0	0	1	1	1G	0	BJ	P
C93042	0	0	0	1	0	1B1D	CK	P
C93046	0	0	1	1	0	1B	BJ	P
C93048	0	0	1	3	0	4D	BJ	P
Group: 4 Dose Level: 5.0			Dosage Unit: ppm T-6295					
C93052	0	0	0	1	0	0	CJ	P
C93054	0	1	1	1	0	0	BJ	P
C93060	0	1	1	1	1G	0	BJ	P
C93078	0	0	0	1	0	1D	CJ	-
C93081	0	0	1	1	0	4D	BJ	-
C93083	0	0	1	2	0	1B2D	AJ	P
C93091	0	0	1	3	1G	0	CJ	P
C93095	0	1	1	1	0	0	CJ	P
C93097	0	1	0	1	0	1B1D	CJ	P
C93110	0	1	1	2	1G	2B2D	CK	P

Appendix 5

Individual Clinical Urinalysis Data

Females Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	RBC PER HPF	WBC PER HPF	EPITH PER HPF	BACT PER HPF	CASTS PER LPF	CRYSTALS PER LPF1	URINE APP1	COMMENTS
Group: 5 Dose Level: 20.0			Dosage Unit: ppm T-6295					
C93112	0	0	1	1	0	1E	BJ	P
C93116	0	0	1	2	0	0	BJ	P
C93117	1	0	1	3	0	1D	CJ	P
C93120	0	1	1	1	0	3E	CJ	P
C93130	0	0	0	2	0	0	BJ	-
C93138	0	0	0	2	0	0	AJ	-
C93147	0	1	1	1	0	1B1D	CJ	P
C93154	0	0	1	1	0	3E	BJ	P
C93163	0	1	1	1	0	1B	CJ	-
C93171	0	0	1	1	0	3E	BJ	P

Appendix 5

Individual Urine Chemistry Data

Males Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295	
C92505	12	80	.14	.92
C92506	12	50	.41	1.71
C92524 a	7	28	-	-
C92526	8	48	.18	1.08
C92529	9	57	.16	1.00
C92542	12	73	.23	1.40
C92543	11	71	.19	1.24
C92546	19	78	.31	1.29
C92548	13	100	.12	.95
C92553	15	61	.25	1.02
MEAN	12	65	.22	1.18
S.D.	3.5	20.2	.092	.258
N	10	10	9	9
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295	
C92573	23	111	.30	1.47
C92574	13	111	.19	1.60
C92575	22	113	.27	1.38
C92585	12	75	.21	1.31
C92586 a	8	19	-	-
C92587	28	61	.51	1.12
C92610	5	27	.21	1.15
C92613	52	192	.33	1.23
C92615	21	114	.30	1.65
C92618	7	32	.27	1.23
MEAN	19	86	.29	1.35
S.D.	13.9	53.4	.096	.191
N	10	10	9	9

a Unable to calculate due to inaccurate urine volume.

Appendix 5

Individual Urine Chemistry Data

Males Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295	
C92632	20	139	.21	1.43
C92646 a	3	23	-	-
C92650 a	3	11	-	-
C92652	7	54	.14	1.09
C92657 a	7	22	-	-
C92668	11	59	.26	1.37
C92676	11	60	.18	.97
C92678	18	124	.17	1.15
C92684	34	64	.48	.90
C92686	16	90	.24	1.37
MEAN	13	65	.24	1.18
S.D.	9.5	42.5	.114	.211
N	10	10	7	7
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295	
C92709	18	89	.28	1.38
C92715	22	60	.60	1.64
C92716 a	7	25	-	-
C92718 a	4	15	-	-
C92725	10	49	.24	1.20
C92731 a	6	21	-	-
C92732	24	48	.56	1.13
C92734	16	119	.18	1.33
C92744	7	45	.30	1.93
C92746	24	66	.61	1.68
MEAN	14	54	.40	1.47
S.D.	7.9	32.0	.186	.289
N	10	10	7	7

a Unable to calculate due to inaccurate urine volume.

Appendix 5

Individual Urine Chemistry Data

Males Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295	
C92752	6	40	.17	1.16
C92759	8	56	.19	1.34
C92779	62	163	.37	.98
C92784	14	49	.37	1.31
C92793	11	87	.19	1.48
C92798	12	50	.34	1.43
C92799	9	29	.36	1.15
C92805	11	66	.22	1.31
C92807	22	95	.22	.97
C92811	14	46	.35	1.14
MEAN	17	68	.28	1.23
S.D.	16.4	39.1	.086	.175
N	10	10	10	10

Appendix 5

Individual Urine Chemistry Data

Females Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295	
C92861	19	90	.17	.81
C92864	31	148	.11	.50
C92876	32	212	.07	.47
C92877	27	90	.18	.59
C92882	21	81	.13	.52
C92883	8	41	.18	.92
C92914	39	160	.11	.43
C92919 a	5	19	-	-
C92925	18	56	.17	.53
C92926	25	137	.05	.26
MEAN	22	103	.13	.56
S.D.	10.6	59.9	.049	.198
N	10	10	9	9
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295	
C92941	64	265	.10	.40
C92945 a	6	11	-	-
C92950	6	42	.09	.65
C92953	24	116	.16	.78
C92959	7	42	.07	.42
C92964	29	94	.21	.68
C92968	29	78	.28	.75
C92969	35	126	.12	.44
C92976 a	9	15	-	-
C92982	21	73	.18	.62
MEAN	23	86	.15	.59
S.D.	18.0	74.1	.071	.152
N	10	10	8	8

a Unable to calculate due to inaccurate urine volume.

Appendix 5

Individual Urine Chemistry Data

Females Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295	
C92993	46	106	.18	.42
C92996 a	4	11	-	-
C92998	15	63	.08	.32
C93004	25	118	.16	.73
C93006	24	60	.14	.35
C93008	33	78	.25	.60
C93023 a	4	7	-	-
C93031	51	126	.21	.52
C93033	42	112	.27	.72
C93045	38	116	.28	.87
MEAN	28	80	.20	.57
S.D.	16.7	43.9	.069	.198
N	10	10	8	8
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295	
C93058	26	106	.17	.69
C93067	12	52	.17	.73
C93070	32	96	.17	.50
C93074	42	123	.34	.98
C93075	39	84	.35	.76
C93083	11	33	.20	.60
C93084	11	30	.14	.38
C93089	24	91	.27	1.02
C93094	10	36	.29	1.04
C93105	15	46	.27	.83
MEAN	22	70	.24	.75
S.D.	12.2	34.1	.076	.222
N	10	10	10	10

a Unable to calculate due to inaccurate urine volume.

Appendix 5

Individual Urine Chemistry Data

Females Week 4

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295	
C93114	8	32	.23	.92
C93123	16	64	.15	.61
C93142	26	59	.25	.58
C93144	17	70	.17	.70
C93151	25	97	.13	.49
C93155	41	141	.17	.58
C93158 a	8	17	-	-
C93159 a	5	13	-	-
C93164	14	71	.14	.72
C93175	37	105	.24	.68
MEAN	20	67	.18	.66
S.D.	12.3	40.2	.048	.130
N	10	10	8	8

a Unable to calculate due to inaccurate urine volume.

Appendix 5

Individual Urine Chemistry Data

Males Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295	
C92508	7	29	.21	.88
C92509	17	81	.32	1.55
C92511	23	43	.72	1.35
C92521	59	129	.54	1.17
C92527	13	43	.34	1.12
C92528 a	8	16	-	-
C92532	38	70	.76	1.40
C92535	19	159	.09	.72
C92537 a	6	12	-	-
C92562 a	6	19	-	-
MEAN	20	60	.43	1.17
S.D.	17.1	50.1	.255	.294
N	10	10	7	7
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295	
C92583	17	64	.29	1.08
C92593 a	7	16	-	-
C92598	13	45	.31	1.06
C92600	38	123	.28	.91
C92612 a	7	21	-	-
C92616	17	35	.49	1.00
C92621	57	214	.19	.73
C92624	31	69	.53	1.17
C92627	19	38	.68	1.35
C92629	41	242	.30	1.77
MEAN	25	87	.38	1.13
S.D.	16.5	80.7	.165	.314
N	10	10	8	8

a Unable to calculate due to inaccurate urine volume.

Appendix 5

Individual Urine Chemistry Data

Males Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295	
C92636 a	3	11	-	-
C92640	20	102	.14	.69
C92644	28	119	.26	1.12
C92645	49	95	.48	.92
C92651	24	107	.36	1.58
C92661	15	33	.61	1.34
C92662	32	90	.32	.91
C92676	24	194	.05	.39
C92682	20	56	.41	1.15
C92684 a	11	12	-	-
MEAN	23	82	.33	1.01
S.D.	12.5	56.0	.180	.372
N	10	10	8	8
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295	
C92711	28	128	.28	1.29
C92713 a	11	19	-	-
C92714	21	59	.46	1.30
C92716	16	64	.42	1.68
C92719	45	74	.54	.89
C92722	17	40	.60	1.40
C92726	32	94	.41	1.20
C92728	30	93	.46	1.44
C92741 a	6	16	-	-
C92748	14	60	.33	1.41
MEAN	22	65	.44	1.33
S.D.	11.7	34.8	.104	.226
N	10	10	8	8

a Unable to calculate due to inaccurate urine volume.

Appendix 5

Individual Urine Chemistry Data

Males Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295	
C92754	12	102	.11	.95
C92765	41	127	.40	1.24
C92767	12	41	.44	1.52
C92774	27	79	.34	.99
C92777	7	30	.34	1.44
C92784	35	96	.42	1.15
C92789	23	74	.13	.41
C92799	34	125	.43	1.59
C92812	47	146	.36	1.11
C92820	25	66	.77	2.03
MEAN	26	89	.37	1.24
S.D.	13.2	37.8	.182	.438
N	10	10	10	10

Appendix 5

Individual Urine Chemistry Data

Females Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295	
C92863	60	138	.26	.59
C92865	37	118	.26	.83
C92871 QS	-	-	-	-
C92880	65	135	.15	.31
C92887	37	84	.23	.52
C92898	34	99	.15	.45
C92903	43	87	.28	.57
C92905 a	6	12	-	-
C92906 a	5	13	-	-
C92927 a	3	8	-	-
MEAN	32	77	.22	.54
S.D.	23.2	53.0	.058	.172
N	9	9	6	6
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295	
C92935	65	142	.21	.45
C92940	9	20	.17	.37
C92944 a	11	16	-	-
C92948	28	66	.20	.46
C92956	21	52	.26	.64
C92962 a	13	20	-	-
C92967	32	101	.22	.70
C92978	27	87	.31	1.00
C92986	16	82	.10	.53
C92987	47	118	.15	.37
MEAN	27	70	.20	.56
S.D.	17.6	43.6	.065	.212
N	10	10	8	8

a Unable to calculate due to inaccurate urine volume.

Appendix 5

Individual Urine Chemistry Data

Females Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295	
C92992	9	40	.17	.75
C92993	66	114	.24	.41
C93000	35	123	.18	.62
C93018	49	73	.39	.58
C93019	25	54	.51	1.10
C93023	39	91	.16	.38
C93024	21	94	.10	.47
C93026	48	168	.16	.57
C93030	72	171	.19	.46
C93035	67	129	.48	.92
MEAN	43	106	.26	.63
S.D.	21.2	44.1	.146	.234
N	10	10	10	10
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295	
C93051	31	89	.27	.77
C93064	23	46	.37	.74
C93071 a	6	12	-	-
C93076	17	43	.33	.84
C93078 a	7	11	-	-
C93085	26	56	.31	.68
C93089	22	72	.47	1.55
C93090	7	23	.29	.95
C93093	10	29	.26	.75
C93109	10	42	.18	.78
MEAN	16	42	.31	.88
S.D.	9.1	25.2	.085	.281
N	10	10	8	8

a Unable to calculate due to inaccurate urine volume.

Appendix 5

Individual Urine Chemistry Data

Females Week 14

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295	
C93111	36	58	.49	.78
C93113	13	43	.16	.52
C93120	46	66	.37	.53
C93127	20	32	.76	1.22
C93135 a	6	16	-	-
C93143	50	86	.30	.52
C93155	143	252	.21	.38
C93162	20	50	.26	.66
C93169	31	81	.22	.58
C93178 a	4	10	-	-
MEAN	37	69	.35	.65
S.D.	40.5	68.9	.197	.259
N	10	10	8	8

a Unable to calculate due to inaccurate urine volume.

Appendix 5

Individual Urine Chemistry Data

Males Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295	
C92505	10	113	.04	.51
C92510	59	288	.27	1.32
C92512	16	78	.26	1.26
C92525	15	81	.28	1.54
C92537	24	124	.37	1.91
C92543	15	110	.28	2.02
C92545	9	68	.20	1.51
C92563	24	154	.18	1.16
C92567	18	60	.42	1.41
C92570	30	81	.61	1.65
MEAN	22	116	.29	1.43
S.D.	14.5	67.1	.153	.422
N	10	10	10	10
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295	
C92577	16	96	.20	1.17
C92583	18	76	.19	.81
C92585	16	113	.17	1.20
C92586	13	89	.17	1.16
C92588	12	62	.18	.91
C92590	8	46	.23	1.30
C92601	9	71	.09	.71
C92602	16	55	.28	.98
C92617	42	124	.46	1.36
C92630	7	40	.24	1.38
MEAN	16	77	.22	1.10
S.D.	10.0	28.1	.098	.234
N	10	10	10	10

Appendix 5

Individual Urine Chemistry Data

Males Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295	
C92633	40	94	.68	1.61
C92644	34	117	.36	1.24
C92647 TE	-	-	-	-
C92658	28	110	.32	1.26
C92660	25	125	.23	1.15
C92667	18	53	.39	1.16
C92673	18	105	.19	1.09
C92679	14	59	.24	1.03
C92686	10	75	.12	.90
C92687	30	95	.63	1.99
MEAN	24	93	.35	1.27
S.D.	9.9	25.3	.192	.333
N	9	9	9	9
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295	
C92696	22	62	.35	1.00
C92698 a	2	11	-	-
C92708	24	113	.27	1.27
C92709	17	63	.39	1.45
C92710	26	158	.22	1.36
C92725	13	56	.19	.81
C92743	17	70	.34	1.41
C92745	60	228	.49	1.85
C92749	19	110	.11	.62
C92750 a	9	20	-	-
MEAN	21	89	.30	1.22
S.D.	15.5	65.7	.122	.394
N	10	10	8	8

a Unable to calculate due to inaccurate urine volume.

Appendix 5

Individual Urine Chemistry Data

Males Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295	
C92756	23	136	.38	2.24
C92761	38	116	.27	.81
C92764	142	414	.21	.62
C92773	30	91	.48	1.47
C92783	67	187	.59	1.65
C92788 a	6	25	-	-
C92791	83	153	.86	1.59
C92803	13	58	.25	1.13
C92804	47	192	.23	.94
C92820 a	6	18	-	-
MEAN	46	139	.41	1.31
S.D.	42.4	114.5	.226	.532
N	10	10	8	8

a Unable to calculate due to inaccurate urine volume.

Appendix 5

Individual Urine Chemistry Data

Females Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295	
C92876	54	227	.10	.41
C92878	9	61	.09	.64
C92888	32	90	.22	.63
C92906	5	18	.13	.48
C92916	10	61	.14	.83
C92917	40	142	.21	.74
C92921 a	1	9	-	-
C92922 a	3	14	-	-
C92923	17	62	.22	.81
C92928	8	27	.03	.11
MEAN	18	71	.14	.58
S.D.	18.0	68.2	.070	.241
N	10	10	8	8
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295	
C92932	17	75	.23	1.02
C92935	35	154	.21	.94
C92938	8	30	.16	.61
C92951	12	70	.10	.56
C92954	5	22	.11	.50
C92956	13	80	.15	.92
C92960	9	71	.13	1.05
C92974 a	2	14	-	-
C92979	25	66	.24	.63
C92989	19	163	.10	.85
MEAN	14	74	.16	.79
S.D.	9.9	50.2	.055	.212
N	10	10	9	9

a Unable to calculate due to inaccurate urine volume.

Appendix 5

Individual Urine Chemistry Data

Females Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295	
C93003	4	20	.17	.84
C93004	42	108	.14	.37
C93011	13	31	.28	.67
C93020	29	86	.26	.78
C93027	11	46	.14	.59
C93030	54	182	.22	.73
C93034	6	82	.04	.57
C93046	6	30	.12	.58
C93047	10	30	.30	.89
C93049	39	86	.24	.53
MEAN	21	70	.19	.66
S.D.	18.1	49.9	.083	.158
N	10	10	10	10
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295	
C93052 a	3	10	-	-
C93055	54	152	.30	.84
C93072	27	80	.26	.76
C93080	5	23	.15	.70
C93081	3	17	.12	.67
C93090	11	44	.21	.84
C93094	21	48	.52	1.20
C93095	38	180	.06	.31
C93103	13	56	.26	1.12
C93104	5	58	.10	1.13
MEAN	18	67	.22	.84
S.D.	17.2	56.7	.139	.280
N	10	10	9	9

a Unable to calculate due to inaccurate urine volume.

Appendix 5

Individual Urine Chemistry Data

Females Week 27

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295	
C93119	5	20	.12	.49
C93131	36	103	.21	.60
C93133	133	319	.16	.38
C93138	7	38	.10	.52
C93149	28	91	.32	1.05
C93153	32	71	.36	.80
C93157	3	24	.12	.98
C93160	20	100	.18	.90
C93162	28	71	.44	1.12
C93179	32	124	.12	.48
MEAN	32	96	.21	.73
S.D.	37.4	85.7	.119	.270
N	10	10	10	10

Appendix 5

Individual Urine Chemistry Data

Males Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295	
C92501	47	171	.63	2.27
C92504	20	71	.38	1.35
C92507	10	37	.30	1.13
C92512	36	116	.35	1.11
C92517	59	228	.38	1.48
C92523	16	130	.11	.88
C92534	38	236	.17	1.09
C92540	45	160	.40	1.44
C92562	28	105	.27	1.00
C92570	22	80	.36	1.30
MEAN	32	133	.34	1.30
S.D.	15.5	65.6	.141	.390
N	10	10	10	10
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295	
C92573	18	174	.18	1.77
C92587	32	108	.61	2.05
C92592	46	160	.44	1.54
C92596	17	108	.27	1.71
C92604	10	68	.28	1.90
C92612	12	107	.19	1.71
C92614	61	378	.13	.79
C92624 a	4	22	-	-
C92625	20	245	.13	1.64
C92629	9	70	.22	1.74
MEAN	23	144	.27	1.65
S.D.	18.2	103.4	.158	.354
N	10	10	9	9

a Unable to calculate due to inaccurate urine volume.

Appendix 5

Individual Urine Chemistry Data

Males Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295	
C92634	24	111	.21	.97
C92635	19	96	.21	1.08
C92643	9	78	.09	.79
C92649	15	73	.24	1.18
C92653	11	82	.27	2.01
C92654	19	56	.57	1.68
C92667	10	62	.26	1.64
C92669	44	128	.64	1.86
C92680	31	144	.32	1.47
C92686	32	129	.32	1.29
MEAN	21	96	.31	1.40
S.D.	11.4	30.6	.168	.401
N	10	10	10	10
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295	
C92694	5	61	.14	1.74
C92704	58	335	.23	1.34
C92710	19	127	.16	1.08
C92711	29	138	.26	1.24
C92727	12	99	.15	1.25
C92729	26	146	.29	1.61
C92739	32	166	.26	1.36
C92741	39	143	.44	1.63
C92742	77	380	.25	1.22
C92748	24	84	.48	1.66
MEAN	32	168	.27	1.41
S.D.	21.5	105.3	.115	.228
N	10	10	10	10

Appendix 5

Individual Urine Chemistry Data

Males Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295	
C92751	85	155	.80	1.46
C92754	51	135	.56	1.48
C92755	20	135	.06	.40
C92778	54	130	.66	1.59
C92790	48	192	.32	1.29
C92795	31	111	.54	1.93
C92796	23	111	.37	1.78
C92817	58	215	.53	1.98
C92820	41	119	.58	1.69
MEAN	46	145	.49	1.51
S.D.	20.0	36.4	.215	.473
N	9	9	9	9

Appendix 5

Individual Urine Chemistry Data

Females Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
Group: 1	Dose Level: 0		Dosage Unit: ppm T-6295	
C92862	30	99	.20	.67
C92876	51	167	.41	1.34
C92889	37	91	.39	.96
C92894	29	100	.25	.85
C92899	74	186	.58	1.45
C92910	25	144	.22	1.30
C92917	32	85	.45	1.19
C92922	53	209	.47	1.86
C92923	37	129	.30	1.03
C92930	37	136	.35	1.28
MEAN	40	135	.36	1.19
S.D.	14.8	42.4	.122	.337
N	10	10	10	10
Group: 2	Dose Level: 0.5		Dosage Unit: ppm T-6295	
C92931	40	99	.61	1.51
C92938	28	228	.08	.68
C92946	59	119	.34	.68
C92952	16	94	.15	.89
C92954	20	140	.09	.66
C92958	35	182	.23	1.18
C92964	17	166	.06	.63
C92972	22	70	.24	.75
C92985	26	152	.15	.87
C92990	16	70	.20	.88
MEAN	28	132	.22	.87
S.D.	13.6	51.3	.163	.278
N	10	10	10	10

Appendix 5

Individual Urine Chemistry Data

Females Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
Group: 3	Dose Level: 2.0		Dosage Unit: ppm T-6295	
C92992	14	125	.10	.88
C92997	32	304	.06	.58
C93012	24	119	.33	1.64
C93022	22	126	.11	.63
C93027	9	56	.18	1.13
C93029	24	182	.12	.87
C93032	39	176	.25	1.13
C93042	21	133	.19	1.21
C93046	15	68	.21	.95
C93048	26	111	.21	.89
MEAN	23	140	.18	.99
S.D.	8.8	69.9	.081	.307
N	10	10	10	10
Group: 4	Dose Level: 5.0		Dosage Unit: ppm T-6295	
C93052	59	254	.19	.84
C93054	47	261	.13	.73
C93060	53	146	.30	.83
C93078	18	139	.04	.35
C93081	40	94	.33	.77
C93083	12	24	.52	1.04
C93091	31	155	.13	.65
C93095	34	283	.05	.42
C93097	37	211	.16	.89
C93110	39	153	.28	1.09
MEAN	37	172	.21	.76
S.D.	14.5	80.9	.147	.239
N	10	10	10	10

Appendix 5

Individual Urine Chemistry Data

Females Week 53

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS; T-6295) IN RATS

ANIMAL NUMBER	U NA MMOL/L	U K MMOL/L	NA EXC MMOL	K EXC MMOL
Group: 5	Dose Level: 20.0		Dosage Unit: ppm T-6295	
C93112	27	149	.23	1.30
C93116	21	133	.13	.82
C93117	40	130	.29	.95
C93120	14	102	.09	.66
C93130	73	120	.72	1.18
C93138 a	10	23	-	-
C93147	60	158	.26	.68
C93154	61	300	.15	.75
C93163	48	246	.18	.93
C93171	64	275	.26	1.10
MEAN	42	164	.26	.93
S.D.	22.7	85.4	.186	.226
N	10	10	9	9

a Unable to calculate due to inaccurate urine volume.

COVANCE
THE DEVELOPMENT SERVICES COMPANY

Sponsor:

3M
St. Paul, Minnesota

FINAL REPORT

Study Title:

104-Week Dietary Chronic Toxicity and Carcinogenicity Study with Perfluorooctane Sulfonic Acid Potassium Salt (PFOS; T-6295) in Rats

Author:

Peter J. Thomford, PhD

Study Completion Date:

January 2, 2002

Testing Facility:

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

Laboratory Study Identification:

Covance 6329-183

Sponsor Study Identification:

3M T-6295

CONTENTS

VOLUME V OF IX **Page**

APPENDIX 6 1750
Individual Anatomic Pathology Data 1751

APPENDIX 6

Individual Anatomic Pathology Data

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92501 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 850.2 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 11:33 PROSECTOR: JOHN S. HALFORD RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0462	.0054 %	.0207	WEIGHT TAKEN
RT ADRENAL (AD1)	.0172	.0020 %	.0077	WEIGHT TAKEN
BRAIN (BR)	2.2353	.2629 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	2.4173	.2843 %	1.0814	WEIGHT TAKEN
RT KIDNEY (KD1)	2.4867	.2925 %	1.1125	WEIGHT TAKEN
LIVER (LI)	25.4814	2.9971 %	11.3995	WEIGHT TAKEN
LUNG (LU)	2.3481	.2762 %	1.0505	WEIGHT TAKEN
SPLEEN (SP)	1.1213	.1319 %	.5016	WEIGHT TAKEN
LF TESTIS (TE0)	1.8183	.2139 %	.8134	WEIGHT TAKEN
RT TESTIS (TE1)	1.7568	.2066 %	.7859	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0346	.0041 %	.0155	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0258	.0030 %	.0115	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92501 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 850.2 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 11:33 PROSECTOR: JOHN S. HALFORD RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN
-ANIMAL OBESE

HISTOPATHOLOGY

PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-SLIGHT
MARROW, FEMUR (FM) :
-HYPOCELLULAR, MARROW,-SLIGHT
THYMUS (TH) :
-HEMORRHAGE,-PRESENT
-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL
THYROID (TY) :
-M-CARCINOMA, FOLLICULAR CELL,-NEOPLASM PRESENT
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92501 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 850.2 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 11:33 PROSECTOR: JOHN S. HALFORD RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92502 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/04/99 STUDY DAY OF DEATH: 533 STUDY WEEK OF DEATH: 77 TERMINAL BODY WEIGHT: 495.7 GRAMS
DATE AND TIME OF NECROPSY: 10/04/99 14:45 PROSECTOR: LAURIE J. SCHULLER RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EYES; RED DISCHARGE; EYE-LEFT; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) :
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
		-HYPERPLASIA, BILE DUCT,-SLIGHT
		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
		-HYALINE DROPLETS, TUBULAR EPITHELIUM,-MINIMAL
		SPLEEN (SP) :
		-PIGMENT, INCREASED,-SLIGHT
		THYMUS (TH) :
		-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE
		HEART (HT) :
		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 9 X 7 X 6 MM, RED, DARK RED, TAN, AND SOFT	-B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) :
		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92502 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/04/99 STUDY DAY OF DEATH: 533 STUDY WEEK OF DEATH: 77 TERMINAL BODY WEIGHT: 495.7 GRAMS
DATE AND TIME OF NECROPSY: 10/04/99 14:45 PROSECTOR: LAURIE J. SCHULLER RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		JEJUNUM (JE) : >AUTOLYTIC PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
	SEMINAL VESICLES (SV) : -LARGE; BILATERAL: EACH IS 25 X 14 X 3 MM	SEMINAL VESICLES (SV) : >UNREMARKABLE >NOTE:>SEE COAGULATING GLAND
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
		COAGULATING GL (CG) : -SECRETORY MATERIAL, INCREASED,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; LEFT: DARK RED DRY MATERIAL -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92502 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/04/99 STUDY DAY OF DEATH: 533 STUDY WEEK OF DEATH: 77 TERMINAL BODY WEIGHT: 495.7 GRAMS
DATE AND TIME OF NECROPSY: 10/04/99 14:45 PROSECTOR: LAURIE J. SCHULLER RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92503 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 419.5 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 11:10 PROSECTOR: JAMES T. CALLEN RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); TAIL-PROXIMAL; WEEK 72; 15 X 10MM; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED >MASS(ES); TAIL-PROXIMAL; WEEK 105; 15 X 10MM BOTTOM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL -FIBROSIS, PERIBILIARY,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -INFLAMMATION, SUPPURATIVE, PELVIC,-SLIGHT SPLEEN (SP) : -PIGMENT, INCREASED,-MINIMAL ADRENAL, CORTEX (AC) : -VACUOLATION, FOCAL,-SLIGHT -HYPERPLASIA, CORTICAL,-MINIMAL -PIGMENT,-MINIMAL
	TESTIS (TE) : -SMALL; LEFT: 18 X 9 X 5 MM (RIGHT IS 25 X 11 X 10 MM) THYMUS (TH) : -MASS(ES); INVOLVING ENTIRE ORGAN: SINGLE MASS, 30 X 26 X 15 MM, RED, DARK RED, TAN, AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (MEDIASTINAL) NOT IDENTIFIED	TESTIS (TE) : -ATROPHY/DEGENERATION,-SEVERE >NOTE:>UNILATERAL THYMUS (TH) : >UNREMARKABLE >NOTE:>SEE CAVITY, THORACIC FOR DIAGNOSIS

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92503 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 419.5 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 11:10 PROSECTOR: JAMES T. CALLEN RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-SLIGHT THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); LEFT ASPECT: SINGLE DARK RED FOCUS, 1 MM IN DIAMETER	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN AREAS, UP TO 2 X 1 MM	STOMACH, GL (ST) : >UNREMARKABLE
	PROSTATE (PR) : -SMALL; 10 MM IN DIAMETER	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
	SEMINAL VESICLES (SV) : -SMALL; BILATERAL: EACH IS 19 X 12 X 3 MM	SEMINAL VESICLES (SV) : -SECRETION, INCREASED,-PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
		COAGULATING GL (CG) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
		TAIL (TI) : -CYST, EPIDERMAL INCLUSION,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92503 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 419.5 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 11:10 PROSECTOR: JAMES T. CALLEN RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	TAIL (TI) : -MASS(ES); NEAR BASE OF TAIL: TWO MASSES, EACH IS 12 X 7 X 5 MM, EACH IS TAN AND FIRM; SAME ON CUT SECTIONS; COLLECTED; REGIONAL LN (SEE LUMBAR)	
	LN, LUMBAR/ILIAC (LM) : -DIFFUSELY RED; LEFT: DARK RED (CAP 23)	LN, LUMBAR/ILIAC (LM) : -HEMORRHAGE,-PRESENT -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
		CAVITY, THORACIC (TA) : -B-AORTIC BODY TUMOR,-NEOPLASM PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92503 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 419.5 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 11:10 PROSECTOR: JAMES T. CALLEN RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92504 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 650.0 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 9:35 PROSECTOR: KEVIN BILLINGS RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0300	.0046 %	.0143	WEIGHT TAKEN
RT ADRENAL (AD1)	.0306	.0047 %	.0146	WEIGHT TAKEN
BRAIN (BR)	2.0966	.3226 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	2.2133	.3405 %	1.0557	WEIGHT TAKEN
RT KIDNEY (KD1)	2.1217	.3264 %	1.0120	WEIGHT TAKEN
LIVER (LI)	16.8986	2.5998 %	8.0600	WEIGHT TAKEN
LUNG (LU)	2.0480	.3151 %	.9768	WEIGHT TAKEN
SPLEEN (SP)	.8682	.1336 %	.4141	WEIGHT TAKEN
LF TESTIS (TE0)	2.1700	.3338 %	1.0350	WEIGHT TAKEN
RT TESTIS (TE1)	2.2147	.3407 %	1.0563	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0181	.0028 %	.0086	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0171	.0026 %	.0082	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MALOCCLUSION; VERIFIED AT
NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-VACUOLATION, HEPATOCELLULAR,
PERIPORTAL,-MINIMAL
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR /
EOSINOPHILIC CELL,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR,
PERIPORTAL,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-
MINIMAL
-MINERALIZATION, PELVIC,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92504 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 650.0 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 9:35 PROSECTOR: KEVIN BILLINGS RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MINIMAL ADRENAL, CORTEX (AC) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL THYMUS (TH) : >SECTION EXAMINED; TISSUE NOT PRESENT PITUITARY (PI) : -HYPERPLASIA,-MINIMAL URINARY BLADDER (UB) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL EPIDIDYMIDES (EP) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN -MALOCCLUSION; BILATERAL: UPPER INCISORS	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92504 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 650.0 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 9:35 PROSECTOR: KEVIN BILLINGS RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), SEMINAL VESICLES (SV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92505 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 644.5 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 13:38 PROSECTOR: JARED FISHEL RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-SLIGHT LIVER-OIL RED O (LI0) : -VACUOLES, OIL RED O-POSITIVE, HEPATOCELLULAR,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT PANCREAS (PA) : -INFLAMMATION, VASCULAR,-MODERATE ADRENAL, CORTEX (AC) : -VACUOLATION, FOCAL,-MINIMAL -PIGMENT,-SLIGHT THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT LUNG (LU) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92505 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 644.5 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 13:38 PROSECTOR: JARED FISHEL RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		HEART (HT) :
		-CARDIOMYOPATHY,-MINIMAL
	THYROID (TY) :	THYROID (TY) :
	-LARGE; RIGHT: 9 X 7 X 6 MM (LEFT IS 7 X 3 X 3 MM)	-M-CARCINOMA, FOLLICULAR CELL,-NEOPLASM PRESENT
	-DIFFUSELY DARK; RIGHT: DARK BROWN	
		PITUITARY (PI) :
		-B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) :	STOMACH, GL (ST) :
	-THICKENED WALL; DIFFUSE	-INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE
		-HYPERPLASIA, EPITHELIAL, GLANDULAR,-MODERATELY SEVERE
		DUODENUM (DU) :
		-INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE
	JEJUNUM (JE) :	JEJUNUM (JE) :
	-THICKENED WALL; DIFFUSE	>UNREMARKABLE
	ILEUM (IL) :	ILEUM (IL) :
	-THICKENED WALL; DIFFUSE	-INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE
		CECUM (CE) :
		-INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE
		COLON (CO) :
		-INFLAMMATION, CHRONIC-ACTIVE,-SEVERE
		>NOTE:>EOSINOPHILS PREDOMINATE
		RECTUM (RE) :
		-INFLAMMATION, CHRONIC-ACTIVE,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92505 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 644.5 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 13:38 PROSECTOR: JARED FISHEL RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL EPIDIDYMIDES (EP) : -INFILTRATE, LYMPHOHISTIOCYTIC,-SLIGHT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92505 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 644.5 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 13:38 PROSECTOR: JARED FISHEL RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92506 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 330.0 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 10:54 PROSECTOR: JODI THIEREN RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LF KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	10.8663	3.2924 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN

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

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92506 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 330.0 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 10:54 PROSECTOR: JODI THIEREN RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE),
BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM),
NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI),
HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE),
ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR),
SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN),
LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI),
LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP),
AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT),
DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO),
PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS),
BILE DUCT (BD), TRIGEMINAL NERVE (TG)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92507 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 636.5 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 10:49 PROSECTOR: TODD ACKER RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0224	.0035 %	.0094	WEIGHT TAKEN
RT ADRENAL (AD1)	.0247	.0039 %	.0104	WEIGHT TAKEN
BRAIN (BR)	2.3724	.3727 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	2.1481	.3375 %	.9055	WEIGHT TAKEN
RT KIDNEY (KD1)	2.1112	.3317 %	.8899	WEIGHT TAKEN
LIVER (LI)	20.1131	3.1600 %	8.4780	WEIGHT TAKEN
LUNG (LU)	2.1448	.3370 %	.9041	WEIGHT TAKEN
SPLEEN (SP)	.9408	.1478 %	.3966	WEIGHT TAKEN
LF TESTIS (TE0)	1.8775	.2950 %	.7914	WEIGHT TAKEN
RT TESTIS (TE1)	1.7754	.2789 %	.7484	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0301	.0047 %	.0127	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0303	.0048 %	.0128	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR,-MINIMAL
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT
-HYPERPLASIA, BILE DUCT,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92507 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 636.5 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 10:49 PROSECTOR: TODD ACKER RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-MINIMAL MARROW, FEMUR (FM) : -HYPOCELLULAR, MARROW,-MODERATE HEART (HT) : -CARDIOMYOPATHY,-MINIMAL PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92507 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 636.5 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 10:49 PROSECTOR: TODD ACKER RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92508 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/08/99 STUDY DAY OF DEATH: 537 STUDY WEEK OF DEATH: 77 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/08/99 8:23 PROSECTOR: NOT AVAILABLE RECORDER: NOT AVAILABLE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: NOT AVAILABLE WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,- MINIMAL -MINERALIZATION, PELVIC,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 11 X 8 X 6 MM, RED, DARK RED, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL JEJUNUM (JE) : >AUTOLYTIC ILEUM (IL) : >AUTOLYTIC CECUM (CE) : >AUTOLYTIC

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92508 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/08/99 STUDY DAY OF DEATH: 537 STUDY WEEK OF DEATH: 77 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/08/99 8:23 PROSECTOR: NOT AVAILABLE RECORDER: NOT AVAILABLE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: NOT AVAILABLE WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	URINARY BLADDER (UB) : -CALCULUS(I); WITHIN LUMEN: SINGLE WHITE, FIRM CALCULI, 6 MM IN DIAMETER	URINARY BLADDER (UB) : >AUTOLYTIC
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -DISCHARGE-OCULAR; BILATERAL: DARK RED, DRY MATERIAL -DISCHARGE-NASAL; RED, DRY MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92508 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/08/99 STUDY DAY OF DEATH: 537 STUDY WEEK OF DEATH: 77 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/08/99 8:23 PROSECTOR: NOT AVAILABLE RECORDER: NOT AVAILABLE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: NOT AVAILABLE WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), COLON (CO), RECTUM (RE), SKIN (SK), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92509 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 491.0 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 11:18 PROSECTOR: DONIA MEYER RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0322	.0066 %	.0140	WEIGHT TAKEN
RT ADRENAL (AD1)	.0308	.0063 %	.0134	WEIGHT TAKEN
BRAIN (BR)	2.3068	.4698 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.7786	.3622 %	.7710	WEIGHT TAKEN
RT KIDNEY (KD1)	1.8602	.3789 %	.8064	WEIGHT TAKEN
LIVER (LI)	14.5106	2.9553 %	6.2904	WEIGHT TAKEN
LUNG (LU)	1.7988	.3664 %	.7798	WEIGHT TAKEN
SPLEEN (SP)	.8923	.1817 %	.3868	WEIGHT TAKEN
LF TESTIS (TE0)	1.8453	.3758 %	.7999	WEIGHT TAKEN
RT TESTIS (TE1)	1.8482	.3764 %	.8012	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0131	.0027 %	.0057	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0128	.0026 %	.0055	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

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

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
KIDNEY (KD) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MINIMAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92509 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 491.0 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 11:18 PROSECTOR: DONIA MEYER RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92510 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 765.1 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 13:22 PROSECTOR: JAMES T. CALLEN RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT
-DEGENERATION, CYSTIC,-MINIMAL
-HYPERPLASIA, BILE DUCT,-MINIMAL
-FIBROSIS, PERIBILIARY,-MINIMAL
LIVER-OIL RED O (LI0) :
-VACUOLES, OIL RED O-POSITIVE, HEPATOCELLULAR,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
SPLEEN (SP) :
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT
ADRENAL, CORTEX (AC) :
-HYPERPLASIA, CORTICAL,-MINIMAL
-PIGMENT,-MINIMAL
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT
LUNG (LU) :
-MINERALIZATION, VASCULAR,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92510 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 765.1 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 13:22 PROSECTOR: JAMES T. CALLEN RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		HEART (HT) : -CARDIOMYOPATHY,-SLIGHT THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92510 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 765.1 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 13:22 PROSECTOR: JAMES T. CALLEN RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92511 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 506.8 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 12:55 PROSECTOR: JODI THIEREN RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0348	.0069 %	.0169	WEIGHT TAKEN
RT ADRENAL (AD1)	.0213	.0042 %	.0103	WEIGHT TAKEN
BRAIN (BR)	2.0610	.4067 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.9719	.3891 %	.9568	WEIGHT TAKEN
RT KIDNEY (KD1)	1.9652	.3878 %	.9535	WEIGHT TAKEN
LIVER (LI)	16.1948	3.1955 %	7.8577	WEIGHT TAKEN
LUNG (LU)	2.1768	.4295 %	1.0562	WEIGHT TAKEN
SPLEEN (SP)	.7816	.1542 %	.3792	WEIGHT TAKEN
LF TESTIS (TE0)	1.9467	.3841 %	.9445	WEIGHT TAKEN
RT TESTIS (TE1)	1.9871	.3921 %	.9641	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0109	.0022 %	.0053	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0139	.0027 %	.0067	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

THYMUS (TH) :
-RED FOCUS(I)/AREA(S); DIFFUSE:
MULTIPLE RED PINPOINT FOCI

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-NECROSIS, INDIVIDUAL HEPATOCYTE,-
MINIMAL
KIDNEY (KD) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
THYMUS (TH) :
>NOT REQUIRED TO BE EXAMINED FOR ANIMAL

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92511 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 506.8 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 12:55 PROSECTOR: JODI THIEREN RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92512 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 654.1 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 8:48 PROSECTOR: TODD ACKER RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0380	.0058 %	.0157	WEIGHT TAKEN
RT ADRENAL (AD1)	.0269	.0041 %	.0111	WEIGHT TAKEN
BRAIN (BR)	2.4142	.3691 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	2.4170	.3695 %	1.0012	WEIGHT TAKEN
RT KIDNEY (KD1)	2.3030	.3521 %	.9539	WEIGHT TAKEN
LIVER (LI)	19.0310	2.9095 %	7.8829	WEIGHT TAKEN
LUNG (LU)	2.0416	.3121 %	.8457	WEIGHT TAKEN
SPLEEN (SP)	.8649	.1322 %	.3583	WEIGHT TAKEN
LF TESTIS (TE0)	2.4547	.3753 %	1.0168	WEIGHT TAKEN
RT TESTIS (TE1)	1.8193	.2781 %	.7536	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0165	.0025 %	.0068	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0216	.0033 %	.0089	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MINIMAL
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92512 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 654.1 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 8:48 PROSECTOR: TODD ACKER RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PANCREAS (PA) : -INFILTRATE, MACROPHAGE, PIGMENTED,- MINIMAL TESTIS (TE) : -ATROPHY/DEGENERATION,-SLIGHT MARROW, FEMUR (FM) : -HYPOCELLULAR, MARROW,-SLIGHT LUNG (LU) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92512 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 654.1 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 8:48 PROSECTOR: TODD ACKER RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92513 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 751.7 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 13:27 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-SLIGHT -HYPERPLASIA, BILE DUCT,-MINIMAL -VACUOLATION, HEPATOCELLULAR,-MINIMAL LIVER-OIL RED O (LI0) : -VACUOLES, OIL RED O-POSITIVE, HEPATOCELLULAR,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MINIMAL ADRENAL, CORTEX (AC) : -PIGMENT,-SLIGHT THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92513 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 751.7 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 13:27 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYROID (TY) : -DILATATION / CYST, FOLLICULAR,-PRESENT PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT -HYPERPLASIA,-SLIGHT HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL STOMACH, GL (ST) : -HYPERPLASIA, EPITHELIAL, GLANDULAR,-MODERATE PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92513 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 751.7 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 13:27 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92514 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 1041.3 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 8:40 PROSECTOR: JAMES T. CALLEN RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

EYE (EY) :
-DYSTROPHY, CORNEAL IN EARLY STAGES, CONSISTS PRIMARILY OF FOCAL MINERALIZATION,-MINIMAL
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT
-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL
-HYPERPLASIA, BILE DUCT,-MINIMAL
LIVER-OIL RED O (LI0) :
-VACUOLES, OIL RED O-POSITIVE, HEPATOCELLULAR,-MODERATE
SPLEEN (SP) :
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MINIMAL
PANCREAS (PA) :
-INFILTRATION, FAT, INTERSTITIAL,-SLIGHT
ADRENAL, MEDULLA (MA) :
-UNILATERALLY EXAMINED,-PRESENT
LUNG (LU) :
-MINERALIZATION, VASCULAR,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92514 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 1041.3 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 8:40 PROSECTOR: JAMES T. CALLEN RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-SLIGHT PARATHYROID (PT) : -B-ADENOMA,-NEOPLASM PRESENT PITUITARY (PI) : -HYPERPLASIA,-MODERATE
	STOMACH, GL (ST) : -THICKENED WALL; ALL REGIONS DIFFUSE	STOMACH, GL (ST) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT -HYPERPLASIA, EPITHELIAL, GLANDULAR,-SLIGHT
		COLON (CO) : -PARASITISM,-PRESENT RECTUM (RE) : -PARASITISM,-PRESENT EPIDIDYMIDES (EP) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -ANIMAL OBESE	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92514 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 1041.3 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 8:40 PROSECTOR: JAMES T. CALLEN RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
BRAIN (BR), KIDNEY (KD), ADRENAL, CORTEX (AC), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92515 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/12/00 STUDY DAY OF DEATH: 693 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/12/00 13:12 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		EYE (EY) : -DYSTROPHY, CORNEAL IN EARLY STAGES, CONSISTS PRIMARILY OF FOCAL MINERALIZATION,-SLIGHT LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-MINIMAL PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-MINIMAL ADRENAL, CORTEX (AC) : -VACUOLATION, FOCAL,-MINIMAL THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE THYROID (TY) : -B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT PITUITARY (PI) : -HYPERPLASIA,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92515 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/12/00 STUDY DAY OF DEATH: 693 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/12/00 13:12 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		JEJUNUM (JE) : >AUTOLYTIC ILEUM (IL) : >AUTOLYTIC CECUM (CE) : >AUTOLYTIC PROSTATE (PR) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL EPIDIDYMIDES (EP) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL CAUSE OF DEATH (CD) : -UNDETERMINED MICROSCOPICALLY,-PRESENT
	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92515 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/12/00 STUDY DAY OF DEATH: 693 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/12/00 13:12 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
BRAIN (BR), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92516 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/11/99 STUDY DAY OF DEATH: 326 STUDY WEEK OF DEATH: 47 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/11/99 7:46 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR,-MINIMAL
-CONGESTION,-PRESENT
KIDNEY (KD) :
-MINERALIZATION, PELVIC,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MINIMAL
ADRENAL, CORTEX (AC) :
-CONGESTION,-PRESENT
LN, MESENTERIC (MS) :
>TISSUE MISSING
MARROW, FEMUR (FM) :
-HYPOCELLULAR, MARROW,-MODERATE
THYMUS (TH) :
-HEMORRHAGE,-PRESENT
-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE
LUNG (LU) :
-CONGESTION,-PRESENT
HEART (HT) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-FIBROSIS,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92516 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/11/99 STUDY DAY OF DEATH: 326 STUDY WEEK OF DEATH: 47 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/11/99 7:46 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

DUODENUM (DU) :
>AUTOLYTIC
JEJUNUM (JE) :
>AUTOLYTIC
ILEUM (IL) :
>AUTOLYTIC
CAUSE OF DEATH (CD) :
-UNDETERMINED MICROSCOPICALLY,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92516 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/11/99 STUDY DAY OF DEATH: 326 STUDY WEEK OF DEATH: 47 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/11/99 7:46 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92517 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 913.7 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 11:04 PROSECTOR: JOHN S. HALFORD RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0325	.0036 %	.0138	WEIGHT TAKEN
RT ADRENAL (AD1)	.0365	.0040 %	.0155	WEIGHT TAKEN
BRAIN (BR)	2.3607	.2584 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	2.6614	.2913 %	1.1274	WEIGHT TAKEN
RT KIDNEY (KD1)	2.6775	.2930 %	1.1342	WEIGHT TAKEN
LIVER (LI)	24.8245	2.7169 %	10.5157	WEIGHT TAKEN
LUNG (LU)	2.5656	.2808 %	1.0868	WEIGHT TAKEN
SPLEEN (SP)	1.1036	.1208 %	.4675	WEIGHT TAKEN
LF TESTIS (TE0)	1.8990	.2078 %	.8044	WEIGHT TAKEN
RT TESTIS (TE1)	1.9440	.2128 %	.8235	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0289	.0032 %	.0122	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0308	.0034 %	.0130	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92517 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 913.7 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 11:04 PROSECTOR: JOHN S. HALFORD RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PANCREAS (PA) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL -HYPERPLASIA, ISLET CELLS,-MINIMAL ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-MODERATE THYMUS (TH) : -HEMORRHAGE,-PRESENT -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL
	LUNG (LU) : -DARK FOCUS(I)/AREA(S); LEFT LOBE: SINGLE BLACK FOCUS, 2 MM IN DIAMETER	LUNG (LU) : -CONGESTION,-PRESENT
		PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN -ANIMAL OBESE	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92517 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 913.7 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 11:04 PROSECTOR: JOHN S. HALFORD RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92518 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 841.2 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 13:38 PROSECTOR: DAVID SCHUETTE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); DIAPHRAGMATIC SURFACE OF RIGHT MEDIAN LOBE: SINGLE DARK RED AREA, 4 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL LIVER-OIL RED O (LI0) : -VACUOLES, OIL RED O-POSITIVE, HEPATOCELLULAR,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE SPLEEN (SP) : -PIGMENT, INCREASED,-MINIMAL -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE PANCREAS (PA) : -HYPERTROPHY / BASOPHILIA, ACINAR CELL,-MINIMAL ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT -PIGMENT,-MINIMAL THYMUS (TH) : >SECTION EXAMINED; TISSUE NOT PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92518 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 841.2 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 13:38 PROSECTOR: DAVID SCHUETTE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-MINIMAL THYROID (TY) : -DILATATION / CYST, FOLLICULAR,-PRESENT PARATHYROID (PT) : -HYPERPLASIA,-SLIGHT
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); RIGHT MID ASPECT: SINGLE DARK RED AREA, 2 MM IN DIAMETER	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -ANIMAL OBESE	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92518 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 841.2 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 13:38 PROSECTOR: DAVID SCHUETTE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92519 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/28/99 STUDY DAY OF DEATH: 557 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/28/99 10:37 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE PANCREAS (PA) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
	ADRENAL, CORTEX (AC) : -LARGE; RIGHT: 6 X 4 X 3 MM (LEFT IS 3 X 2 X 2 MM)	ADRENAL, CORTEX (AC) : -UNILATERALLY EXAMINED,-PRESENT ADRENAL, MEDULLA (MA) : -UNILATERALLY EXAMINED,-PRESENT THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92519 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/28/99 STUDY DAY OF DEATH: 557 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/28/99 10:37 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 9 X 6 X 6 MM, DARK RED, GREY, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92519 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/28/99 STUDY DAY OF DEATH: 557 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/28/99 10:37 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92520 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/18/99 STUDY DAY OF DEATH: 578 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/18/99 13:45 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; LIMITED USE; LIMB-HIND- RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL
>APPEARANCE; SWOLLEN; DIGIT(S)-HIND- RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE	KIDNEY (KD) : -LARGE PELVIS(ES); BILATERAL -LARGE; BILATERAL: EACH ARE 33 X 23 X 10 MM; BOTH ARE SOFT	KIDNEY (KD) : -DILATATION, PELVIC,-MODERATE -MINERALIZATION, TUBULAR,-MINIMAL -ECTASIA, TUBULAR,-SEVERE -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE -FIBROSIS, CORTICAL,-SLIGHT
	SPLEEN (SP) : -ADHESION(S); CRANIAL END ADHERED TO DIAPHRAGM: MULTIPLE GRAY, FIBROUS ADHESIONS; COLLECTED INTACT	SPLEEN (SP) : -FIBROSIS, CAPSULAR,-PRESENT
	PANCREAS (PA) : -LARGE VESSELS; ALONG DUODENUM: UP TO 5 MM IN DIAMETER; COLLECTED INTACT WITH DUODENUM	PANCREAS (PA) : -INFILTRATE, MACROPHAGE, PIGMENTED,- MINIMAL -INFLAMMATION, VASCULAR,-MODERATE -THROMBUS,-PRESENT
		ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-MINIMAL
		LN, MESENTERIC (MS) : -MINERALIZATION, VASCULAR,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92520 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/18/99 STUDY DAY OF DEATH: 578 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/18/99 13:45 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,-MODERATELY SEVERE MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-SEVERE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SEVERE HEART (HT) : -CARDIOMYOPATHY,-SLIGHT -MINERALIZATION, VASCULAR,-SLIGHT -MINERALIZATION,-MINIMAL
	THYROID (TY) : -LARGE; RIGHT: 6 X 4 X 3 MM (LEFT IS 5 X 3 X 3 MM)	THYROID (TY) : -B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT PARATHYROID (PT) : -HYPERPLASIA,-MODERATE
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN PINPOINT FOCI	STOMACH, GL (ST) : >UNREMARKABLE
		DUODENUM (DU) : -INFLAMMATION, VASCULAR,-MODERATE CECUM (CE) : >AUTOLYTIC
	URINARY BLADDER (UB) : -DIFFUSELY RED; DARK RED	URINARY BLADDER (UB) : -INFLAMMATION, CHRONIC-ACTIVE,-SEVERE PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92520 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/18/99 STUDY DAY OF DEATH: 578 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/18/99 13:45 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PROSTATE (PR) : -NODULAR; PROXIMAL, SURROUNDING URETHRA: GREEN AND NODULAR	
		SEMINAL VESICLES (SV) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
		CAUSE OF DEATH (CD) : -INFLAMMATION / INFECTION,-PRESENT
	GENERAL COMMENT (GC) : -URINARY BLADDER-LARGE LUMEN; DISTENDED TO 35 X 25 X 15 MM WITH A DARK GREEN FLUID	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92520 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/18/99 STUDY DAY OF DEATH: 578 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/18/99 13:45 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), JEJUNUM (JE), ILEUM (IL), COLON (CO), RECTUM (RE), SKIN (SK), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92521 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 467.7 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 10:33 PROSECTOR: TROY ELLENBECKER RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0329	.0070 %	.0146	WEIGHT TAKEN
RT ADRENAL (AD1)	.0340	.0073 %	.0151	WEIGHT TAKEN
BRAIN (BR)	2.2509	.4813 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	2.0805	.4448 %	.9243	WEIGHT TAKEN
RT KIDNEY (KD1)	2.0278	.4336 %	.9009	WEIGHT TAKEN
LIVER (LI)	16.3067	3.4866 %	7.2445	WEIGHT TAKEN
LUNG (LU)	1.8853	.4031 %	.8376	WEIGHT TAKEN
SPLEEN (SP)	.7612	.1628 %	.3382	WEIGHT TAKEN
LF TESTIS (TE0)	1.9720	.4216 %	.8761	WEIGHT TAKEN
RT TESTIS (TE1)	1.8773	.4014 %	.8340	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0130	.0028 %	.0058	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0164	.0035 %	.0073	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
KIDNEY (KD) :
-REGENERATION, TUBULAR EPITHELIUM,-MINIMAL
TESTIS (TE) :
-ATROPHY/DEGENERATION,-MINIMAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92521 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 467.7 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 10:33 PROSECTOR: TROY ELLENBECKER RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92522 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/29/00 STUDY DAY OF DEATH: 681 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: 639.8 GRAMS
DATE AND TIME OF NECROPSY: 02/29/00 14:29 PROSECTOR: DENNIS HOFFMAN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>SKIN & PELAGE; SORE/SCAB; PAWS-HIND; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; SORE/SCAB; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; RECUMBENT; LATERAL; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

LIVER (LI) :
-DARK FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 7 X 5 MM, COLLECTED ON ROUTINE SECTIONS

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
-HYPERPLASIA, BILE DUCT,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT
-MINERALIZATION, PELVIC,-MINIMAL
PANCREAS (PA) :
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
ADRENAL, CORTEX (AC) :
-VACUOLATION, FOCAL,-MINIMAL
-PIGMENT,-SLIGHT
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE
THYROID (TY) :
-HYPERPLASIA, C-CELL,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92522 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/29/00 STUDY DAY OF DEATH: 681 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: 639.8 GRAMS
DATE AND TIME OF NECROPSY: 02/29/00 14:29 PROSECTOR: DENNIS HOFFMAN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PARATHYROID (PT) : -HYPERPLASIA,-SLIGHT
	PITUITARY (PI) : -MASS(ES); 10 X 8 X 4 MM, DARK RED, BROWN, AND FIRM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	SKIN (SK) : -CRUSTED AREA(S); VENTRAL ABDOMEN, OVERLYING RIGHT PREPUTIAL GLAND: SINGLE BROWN CRUSTED AREA, 2 X 3 MM (CAP 22)	SKIN (SK) : -ACANTHOSIS/HYPERKERATOSIS,-SLIGHT -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
		CAUSE OF DEATH (CD) : -INFLAMMATION / INFECTION,-PRESENT
	FOOT/FOOTPAD (FP) : -ABRASION(S)/ULCERATION(S); BILATERAL, HIND FEET: SINGLE DRY, RED, AND TAN AREA ON EACH, LEFT IS 11 X 7 MM, RIGHT IS 7 MM IN DIAMETER; COLLECTED	FOOT/FOOTPAD (FP) : -INFLAMMATION, CHRONIC-ACTIVE,-SEVERE -ULCERATION,-MODERATE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED DRY MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92522 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/29/00 STUDY DAY OF DEATH: 681 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: 639.8 GRAMS
DATE AND TIME OF NECROPSY: 02/29/00 14:29 PROSECTOR: DENNIS HOFFMAN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92523 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 771.0 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 11:24 PROSECTOR: TODD ACKER RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0280	.0036 %	.0110	WEIGHT TAKEN
RT ADRENAL (AD1)	.0276	.0036 %	.0108	WEIGHT TAKEN
BRAIN (BR)	2.5515	.3309 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	2.2588	.2930 %	.8853	WEIGHT TAKEN
RT KIDNEY (KD1)	2.4189	.3137 %	.9480	WEIGHT TAKEN
LIVER (LI)	19.4596	2.5239 %	7.6267	WEIGHT TAKEN
LUNG (LU)	1.8566	.2408 %	.7277	WEIGHT TAKEN
SPLEEN (SP)	1.0752	.1395 %	.4214	WEIGHT TAKEN
LF TESTIS (TE0)	1.8292	.2373 %	.7169	WEIGHT TAKEN
RT TESTIS (TE1)	1.7216	.2233 %	.6747	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0214	.0028 %	.0084	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0273	.0035 %	.0107	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
-VACUOLATION, HEPATOCELLULAR,-MINIMAL
KIDNEY (KD) :
-REGENERATION, TUBULAR EPITHELIUM,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
PANCREAS (PA) :
-HYPERPLASIA, ISLET CELLS,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92523 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 771.0 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 11:24 PROSECTOR: TODD ACKER RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -INFILTRATE, MACROPHAGE, PIGMENTED,- MINIMAL HEART (HT) : -CARDIOMYOPATHY,-MINIMAL PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92523 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 771.0 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 11:24 PROSECTOR: TODD ACKER RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92524 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 366.6 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 11:59 PROSECTOR: LYNN HORNER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LF KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	14.3739	3.9212 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN

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

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92524 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 366.6 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 11:59 PROSECTOR: LYNN HORNER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE),
BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM),
NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI),
HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE),
ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR),
SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN),
LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI),
LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP),
AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT),
DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO),
PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS),
BILE DUCT (BD), TRIGEMINAL NERVE (TG)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92525 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/30/99 STUDY DAY OF DEATH: 498 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: 474.0 GRAMS
DATE AND TIME OF NECROPSY: 08/30/99 13:54 PROSECTOR: WENDY CHERRY RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL; WEEK 61; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED		LIVER (LI) :
		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		-MINERALIZATION, PELVIC,-MINIMAL
		-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
>BEHAVIOR; HYPOACTIVE; MODERATE; VERIFIED AT NECROPSY: NOT APPLICABLE		SPLEEN (SP) :
		-PIGMENT, INCREASED,-SLIGHT
		PANCREAS (PA) :
		-ZYMOGEN GRANULES, DECREASED,-SLIGHT
		THYMUS (TH) :
		-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 17 X 12 X 10 MM, TAN, BROWN, DARK RED AND SOFT	-B-ADENOMA,-NEOPLASM PRESENT
		SKIN (SK) :
		-CYST, EPIDERMAL INCLUSION,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92525 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/30/99 STUDY DAY OF DEATH: 498 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: 474.0 GRAMS
DATE AND TIME OF NECROPSY: 08/30/99 13:54 PROSECTOR: WENDY CHERRY RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PROSTATE (PR) : -SMALL; 10 X 10 X 6 MM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE
	SEMINAL VESICLES (SV) : -SMALL; BILATERAL: EACH IS 15 X 8 X 2 MM	SEMINAL VESICLES (SV) : -SECRETION, DECREASED,-PRESENT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	MAMMARY, MALE (MM) : -MASS(ES); MID ABDOMINAL REGION: SINGLE MASS, 17 X 12 X 10 MM, TAN, BROWN AND FIRM; CUT SURFACE CONTAINS A TAN AND CASEOUS SEMISOLID; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, MALE (MM) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL >NOTE:>SEE SKIN FOR HISTOLOGIC DIAGNOSIS
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92525 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/30/99 STUDY DAY OF DEATH: 498 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: 474.0 GRAMS
DATE AND TIME OF NECROPSY: 08/30/99 13:54 PROSECTOR: WENDY CHERRY RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92526 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 325.6 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 11:33 PROSECTOR: JODI THIEREN RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LF KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	12.0558	3.7028 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN

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

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92526 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 325.6 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 11:33 PROSECTOR: JODI THIEREN RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE),
BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM),
NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI),
HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE),
ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR),
SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN),
LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI),
LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP),
AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT),
DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO),
PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS),
BILE DUCT (BD), TRIGEMINAL NERVE (TG)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92527 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/24/99 STUDY DAY OF DEATH: 584 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 561.4 GRAMS
DATE AND TIME OF NECROPSY: 11/24/99 8:24 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE >APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED >BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE >BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE >APPEARANCE; LIMITED USE; LIMB-HIND-RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE >EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT -COMPRESSION, VENTRAL,-PRESENT -M-ASTROCYTOMA,-NEOPLASM PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -NECROSIS, COAGULATIVE,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-MINIMAL PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-MODERATE ADRENAL, CORTEX (AC) : -VACUOLATION, FOCAL,-MINIMAL
	THYMUS (TH) : -MISSING/NOT IDENTIFIED; NOT POSITIVELY IDENTIFIED; POSSIBLE REMNANTS COLLECTED	THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92527 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/24/99 STUDY DAY OF DEATH: 584 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 561.4 GRAMS
DATE AND TIME OF NECROPSY: 11/24/99 8:24 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PARATHYROID (PT) : -HYPERPLASIA,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 11 X 8 X 5 MM, DARK RED, RED, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92527 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/24/99 STUDY DAY OF DEATH: 584 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 561.4 GRAMS
DATE AND TIME OF NECROPSY: 11/24/99 8:24 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92528 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 430.7 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 10:32 PROSECTOR: DONIA MEYER RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0347	.0081 %	.0154	WEIGHT TAKEN
RT ADRENAL (AD1)	.0315	.0073 %	.0140	WEIGHT TAKEN
BRAIN (BR)	2.2548	.5235 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.5393	.3574 %	.6827	WEIGHT TAKEN
RT KIDNEY (KD1)	1.6264	.3776 %	.7213	WEIGHT TAKEN
LIVER (LI)	14.8186	3.4406 %	6.5720	WEIGHT TAKEN
LUNG (LU)	1.8216	.4229 %	.8079	WEIGHT TAKEN
SPLEEN (SP)	.6689	.1553 %	.2967	WEIGHT TAKEN
LF TESTIS (TE0)	1.4100	.3274 %	.6253	WEIGHT TAKEN
RT TESTIS (TE1)	1.4018	.3255 %	.6217	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0105	.0024 %	.0047	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0112	.0026 %	.0050	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

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

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-VACUOLATION, HEPATOCELLULAR,
PERIPORTAL,-MINIMAL
KIDNEY (KD) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92528 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 430.7 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 10:32 PROSECTOR: DONIA MEYER RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92529 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 272.4 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 10:39 PROSECTOR: LYNN HORNER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LF KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	10.2021	3.7449 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN

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

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92529 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 272.4 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 10:39 PROSECTOR: LYNN HORNER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92530 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/18/99 STUDY DAY OF DEATH: 547 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 597.0 GRAMS
DATE AND TIME OF NECROPSY: 10/18/99 8:02 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE
>RESPIRATION; IRREGULAR; VERIFIED AT NECROPSY: NOT APPLICABLE
>RESPIRATION; AUDIBLE; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; RECUMBENT; LATERAL; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)
LIVER (LI) :
-RED FOCUS(I)/AREA(S); PAPILLARY PROCESS: SINGLE RED AREA, 3 MM IN DIAMETER; COLLECTED
KIDNEY (KD) :
-ROUGH SURFACE, DIFFUSE; BILATERAL

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
PANCREAS (PA) :
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
-ATROPHY, ACINAR,-MINIMAL
ADRENAL, CORTEX (AC) :
-PIGMENT,-MINIMAL
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE
LUNG (LU) :
-MINERALIZATION, VASCULAR,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92530 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/18/99 STUDY DAY OF DEATH: 547 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 597.0 GRAMS
DATE AND TIME OF NECROPSY: 10/18/99 8:02 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 9 X 8 X 7 MM, RED, TAN, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		URINARY BLADDER (UB) : -PROTEINACEOUS MATERIAL, LUMINAL,-PRESENT
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: RED AND DRY MATERIAL -STAINS - SKIN/HAIRCOAT; ENTIRE HEAD: RED AND DRY MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92530 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/18/99 STUDY DAY OF DEATH: 547 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 597.0 GRAMS
DATE AND TIME OF NECROPSY: 10/18/99 8:02 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92531 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/03/99 STUDY DAY OF DEATH: 471 STUDY WEEK OF DEATH: 68 TERMINAL BODY WEIGHT: 522.3 GRAMS
DATE AND TIME OF NECROPSY: 08/03/99 8:06 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>BEHAVIOR; RECUMBENT; LATERAL; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) :	BRAIN (BR) :
>RESPIRATION; IRREGULAR; VERIFIED AT NECROPSY: NOT APPLICABLE	-COMPRESSED (HYPOTHALAMUS)	-DILATATION, VENTRICULAR,-PRESENT
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) :
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT OBSERVED		-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MODERATE
		KIDNEY (KD) :
		-PIGMENT, TUBULAR,-MINIMAL
		SPLEEN (SP) :
		-PIGMENT, INCREASED,-MODERATE
		PANCREAS (PA) :
		-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
		ADRENAL, CORTEX (AC) :
		-MINERALIZATION,-MINIMAL
		THYMUS (TH) :
		-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE
		LUNG (LU) :
		-MINERALIZATION, VASCULAR,-MINIMAL
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 9 X 8 X 7 MM, RED, DARK RED AND SOFT	-B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92531 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/03/99 STUDY DAY OF DEATH: 471 STUDY WEEK OF DEATH: 68 TERMINAL BODY WEIGHT: 522.3 GRAMS
DATE AND TIME OF NECROPSY: 08/03/99 8:06 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: MULTIPLE TAN ERODED AREAS, UP TO 6 X 4 MM	STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-MODERATE -ULCERATION,-SLIGHT -INFLAMMATION, CHRONIC-ACTIVE,- MODERATELY SEVERE PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92531 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/03/99 STUDY DAY OF DEATH: 471 STUDY WEEK OF DEATH: 68 TERMINAL BODY WEIGHT: 522.3 GRAMS
DATE AND TIME OF NECROPSY: 08/03/99 8:06 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92532 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 581.4 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 13:54 PROSECTOR: JOHN S. HALFORD RECORDER: MATTHEW AXTMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0310	.0053 %	.0145	WEIGHT TAKEN
RT ADRENAL (AD1)	.0334	.0057 %	.0156	WEIGHT TAKEN
BRAIN (BR)	2.1402	.3681 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	2.2086	.3799 %	1.0320	WEIGHT TAKEN
RT KIDNEY (KD1)	2.0147	.3465 %	.9414	WEIGHT TAKEN
LIVER (LI)	17.2925	2.9743 %	8.0799	WEIGHT TAKEN
LUNG (LU)	1.9369	.3331 %	.9050	WEIGHT TAKEN
SPLEEN (SP)	.7755	.1334 %	.3623	WEIGHT TAKEN
LF TESTIS (TE0)	1.5752	.2709 %	.7360	WEIGHT TAKEN
RT TESTIS (TE1)	1.6085	.2767 %	.7516	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0336	.0058 %	.0157	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0310	.0053 %	.0145	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL
KIDNEY (KD) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MINIMAL
PANCREAS (PA) :
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92532 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 581.4 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 13:54 PROSECTOR: JOHN S. HALFORD RECORDER: MATTHEW AXTMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: MATTHEW AXTMAN

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; RIGHT: DARK RED (CAP 21)	LN, MANDIBULAR (MN) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG), GENERAL COMMENT (GC)

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92533 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/29/99 STUDY DAY OF DEATH: 589 STUDY WEEK OF DEATH: 85 TERMINAL BODY WEIGHT: 881.2 GRAMS
DATE AND TIME OF NECROPSY: 11/29/99 15:37 PROSECTOR: TERRI L. WILLIAMS RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); INGUINAL REGION-LEFT; WEEK 69; 35 X 40MM; VERIFIED AT NECROPSY: OBSERVED >MASS(ES); HEAD-MAXILLARY-RIGHT; WEEK 71; 30 X 40MM; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; SORE/SCAB; HEAD-MAXILLARY-RIGHT; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -DIFFUSELY LIGHT; ALL LOBES: TAN -RED FOCUS(I)/AREA(S); DIAPHRAGMATIC SURFACE OF RIGHT MEDIAN LOBE: MULTIPLE RED AREAS, UP TO 3 MM IN DIAMETER; SOME ARE SUNKEN WITH A STELLATE PATTERN; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT -DEGENERATION, CYSTIC,-MINIMAL -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL -HYPERPLASIA, BILE DUCT,-SLIGHT -FIBROSIS, PERIBILIARY,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT -HYALINE DROPLETS, TUBULAR EPITHELIUM,-MODERATE SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE ADRENAL, CORTEX (AC) : -VACUOLATION, FOCAL,-MINIMAL -HYPERPLASIA, CORTICAL,-SLIGHT -PIGMENT,-SLIGHT MARROW, FEMUR (FM) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT -HYPERPLASIA, MYELOID, MARROW,-MODERATE -N-FIBROSARCOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92533 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/29/99 STUDY DAY OF DEATH: 589 STUDY WEEK OF DEATH: 85 TERMINAL BODY WEIGHT: 881.2 GRAMS
DATE AND TIME OF NECROPSY: 11/29/99 15:37 PROSECTOR: TERRI L. WILLIAMS RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-MODERATE
		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL
		THYROID (TY) : -B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -THICKENED WALL; MUCOSA, DIFFUSE	STOMACH, GL (ST) : -HYPERPLASIA, EPITHELIAL, GLANDULAR,-SLIGHT
		SKIN (SK) : -M-FIBROSARCOMA,- 2 NEOPLASMS PRESENT
	PROSTATE (PR) : -NODULAR; DIFFUSE: GREEN AND FIRM	PROSTATE (PR) : >UNREMARKABLE
		HEMATO NEOPLASIA (HN) : -M-SARCOMA, HISTIOCYTIC,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -NEOPLASM, SKIN/MUSCLE/SUBCUTIS,-PRESENT
	LN, MANDIBULAR (MN) : -MOTTLED; BILATERAL: RED AND TAN; COLLECTED	LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE
		MAMMARY, MALE (MM) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL >NOTE:>SEE SKIN FOR DIAGNOSIS

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92533 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/29/99 STUDY DAY OF DEATH: 589 STUDY WEEK OF DEATH: 85 TERMINAL BODY WEIGHT: 881.2 GRAMS
DATE AND TIME OF NECROPSY: 11/29/99 15:37 PROSECTOR: TERRI L. WILLIAMS RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, MALE (MM) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 44 X 40 X 18 MM, RED, TAN, AND FIRM; SAME ON CUT SECTION; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED -MASS #2; RIGHT CERVICAL REGION: SINGLE MASS, 38 X 30 X 20 MM, RED, DARK RED, TAN, AND FIRM; SAME ON CUT SECTION; COLLECTED; REGIONAL LN (SEE MANDIBULAR); OVERLYING SKIN HAS A SINGLE TAN ABRADED AREA; COLLECTED INTACT WITH MASS GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL OBESE	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92533 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/29/99 STUDY DAY OF DEATH: 589 STUDY WEEK OF DEATH: 85 TERMINAL BODY WEIGHT: 881.2 GRAMS
DATE AND TIME OF NECROPSY: 11/29/99 15:37 PROSECTOR: TERRI L. WILLIAMS RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92534 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 629.5 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 8:49 PROSECTOR: KEVIN BILLINGS RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0341	.0054 %	.0154	WEIGHT TAKEN
RT ADRENAL (AD1)	.0350	.0056 %	.0158	WEIGHT TAKEN
BRAIN (BR)	2.2118	.3514 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	2.1935	.3485 %	.9917	WEIGHT TAKEN
RT KIDNEY (KD1)	2.3288	.3699 %	1.0529	WEIGHT TAKEN
LIVER (LI)	17.9201	2.8467 %	8.1020	WEIGHT TAKEN
LUNG (LU)	1.9706	.3130 %	.8909	WEIGHT TAKEN
SPLEEN (SP)	.9603	.1525 %	.4342	WEIGHT TAKEN
LF TESTIS (TE0)	1.0650	.1692 %	.4815	WEIGHT TAKEN
RT TESTIS (TE1)	2.0846	.3312 %	.9425	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0242	.0038 %	.0109	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0244	.0039 %	.0110	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MALOCCLUSION; VERIFIED AT
NECROPSY: NOT OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
PANCREAS (PA) :
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
ADRENAL, CORTEX (AC) :
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92534 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 629.5 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 8:49 PROSECTOR: KEVIN BILLINGS RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	TESTIS (TE) : -SMALL; RIGHT: 20 X 12 X 6 MM (FOR COMPARISON, LEFT IS 14 X 10 X 10 MM); SOFT	TESTIS (TE) : -ATROPHY/DEGENERATION,-MODERATE -GRANULOMA, SPERM,-PRESENT
	THYMUS (TH) : >NOTE:>TRIMMING COMMENT: THYMUS MISSING AT TIME OF TRIMMING	THYMUS (TH) : >TISSUE MISSING
		URINARY BLADDER (UB) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, MANDIBULAR (MN) : -MOTTLED; TRIMMING COMMENT: BILATERAL: DIFFUSELY RED AND TAN	LN, MANDIBULAR (MN) : -HEMORRHAGE,-PRESENT
	GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92534 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 629.5 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 8:49 PROSECTOR: KEVIN BILLINGS RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92535 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/14/00 STUDY DAY OF DEATH: 666 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 747.0 GRAMS
DATE AND TIME OF NECROPSY: 02/14/00 8:01 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; DISCOLORED FECES; RED IN COLOR; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : >UNREMARKABLE
>APPEARANCE; TREMORS; LIMBS-ALL; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		-HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
>BEHAVIOR; COLD TO TOUCH; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
>EXCRETION; NONFORMED FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		-PIGMENT, TUBULAR,-MINIMAL
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE	SPLEEN (SP) : -LIGHT FOCUS(I)/AREA(S); PARIETAL SURFACE OF CRANIAL END: SINGLE GRAY AREA, 15 X 10 MM -ADHESION(S); PARIETAL SURFACE ATTACHED TO GREATER CURVATURE OF STOMACH: MULTIPLE GRAY FIBROUS ADHESIONS; COLLECTED INTACT	SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT
		PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-SLIGHT -INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT -INFILTRATION, FAT, INTERSTITIAL,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92535 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/14/00 STUDY DAY OF DEATH: 666 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 747.0 GRAMS
DATE AND TIME OF NECROPSY: 02/14/00 8:01 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -PIGMENT,-SLIGHT ADRENAL, MEDULLA (MA) : -HYPERPLASIA, MEDULLARY,-SLIGHT
	TESTIS (TE) : -SMALL; LEFT: 15 X 5 X 3 MM (RIGHT IS 22 X 15 X 10 MM); LEFT IS SOFT	TESTIS (TE) : -ATROPHY/DEGENERATION,-SEVERE >NOTE:>UNILATERAL BONE, STERNUM (SB) : -HYPERPLASIA, BONE,-MINIMAL THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE THYROID (TY) : -M-CARCINOMA, FOLLICULAR CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 5 X 5 X 3 MM, RED, DARK RED, TAN, AND FIRM STOMACH, GL (ST) : -EROSION/ULCERATION; MUCOSA: MULTIPLE DARK BROWN, SLIGHTLY ERODED FOCI, UP TO 3 MM IN DIAMETER ILEUM (IL) : -DIFFUSELY RED; MUCOSA	PITUITARY (PI) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE -NECROSIS,-SEVERE STOMACH, GL (ST) : -EDEMA,-MODERATE -EROSION,-MODERATE -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE ILEUM (IL) : -HEMORRHAGE,-PRESENT -NECROSIS,-SLIGHT
	CECUM (CE) : -DIFFUSELY RED; MUCOSA	CECUM (CE) : >UNREMARKABLE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92535 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/14/00 STUDY DAY OF DEATH: 666 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 747.0 GRAMS
DATE AND TIME OF NECROPSY: 02/14/00 8:01 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	RECTUM (RE) : -DIFFUSELY RED; MUCOSA	RECTUM (RE) : -NECROSIS,-SEVERE EPIDIDYMIDES (EP) : -GRANULOMA, SPERM,-PRESENT CAUSE OF DEATH (CD) : -GI TRACT, EROSION/ULCERATION/HEMORRHAGE/INFLAMMA- TION,-PRESENT LN, LUMBAR/ILIAC (LM) : -HYPERPLASIA, LYMPHOPLASMACYTIC,- MODERATE
	ADIPOSE TISSUE (AT) : -MASS(ES); WITHIN ADIPOSE TISSUE, NEAR LEFT TESTIS: SINGLE MASS, 10 X 6 X 6 MM, YELLOW AND FIRM; SAME ON CUT SURFACE (CAP 22); REGIONAL LN (LUMBAR) NORMAL (CAP 23) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -GI TRACT-DARK FLUID CONTENT; ENTIRE GI TACT: DARK BROWN AND DARK RED FLUID MATERIAL	ADIPOSE TISSUE (AT) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL >NOTE:>SEE EPIDIDYMIDES FOR DIAGNOSIS

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92535 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/14/00 STUDY DAY OF DEATH: 666 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 747.0 GRAMS
DATE AND TIME OF NECROPSY: 02/14/00 8:01 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), COLON (CO), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), COLON (CO), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92536 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/17/99 STUDY DAY OF DEATH: 546 STUDY WEEK OF DEATH: 78 TERMINAL BODY WEIGHT: 808.5 GRAMS
DATE AND TIME OF NECROPSY: 10/17/99 8:30 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>RESPIRATION; AUDIBLE; VERIFIED AT
NECROPSY: NOT APPLICABLE
>RESPIRATION; IRREGULAR; VERIFIED AT
NECROPSY: NOT APPLICABLE
>APPEARANCE; SWOLLEN; NOSE; VERIFIED AT
NECROPSY: OBSERVED
>BEHAVIOR; COLD TO TOUCH; ENTIRE BODY;
VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

LUNG (LU) :
-DIFFUSELY RED; ALL LOBES

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-
SLIGHT
SPLEEN (SP) :
-HEMATOPOIESIS, EXTRAMEDULLARY,
INCREASED,-MINIMAL
PANCREAS (PA) :
-INFILTRATE, MACROPHAGE, PIGMENTED,-
MINIMAL
-HYPERTROPHY / BASOPHILIA, ACINAR CELL,-
MINIMAL
ADRENAL, CORTEX (AC) :
-HYPERPLASIA, CORTICAL,-MINIMAL
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY
COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-
MODERATE
LUNG (LU) :
>UNREMARKABLE
THYROID (TY) :
-B-ADENOMA, C-CELL,-NEOPLASM PRESENT
PITUITARY (PI) :
-HYPERPLASIA,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92536 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/17/99 STUDY DAY OF DEATH: 546 STUDY WEEK OF DEATH: 78 TERMINAL BODY WEIGHT: 808.5 GRAMS
DATE AND TIME OF NECROPSY: 10/17/99 8:30 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -LIGHT FOCUS(I)/AREA(S); LEFT ASPECT: SINGLE TAN FOCUS, 1 MM IN DIAMETER	
	STOMACH, GL (ST) : -THICKENED WALL; MUCOSA	STOMACH, GL (ST) : -HYPERPLASIA, EPITHELIAL, GLANDULAR,- SLIGHT
	SKIN (SK) : -RED FOCUS(I)/AREA(S); SUBCUTANEOUS TISSUE SURROUNDING MUZZLE: MULTIPLE INDISTINCT RED AND DARK RED AREAS; TISSUE SURROUNDING MUZZLE APPEARS SWOLLEN; ENTIRE MUZZLE COLLECTED	SKIN (SK) : -ACANTHOSIS/HYPERKERATOSIS,-SLIGHT -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL -HEMORRHAGE,-PRESENT
		CAUSE OF DEATH (CD) : -POSSIBLE TRAUMATIC INJURY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-NASAL; DRY, RED MATERIAL -ANIMAL OBESE -DISCHARGE-ORAL; DRY, RED MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92536 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/17/99 STUDY DAY OF DEATH: 546 STUDY WEEK OF DEATH: 78 TERMINAL BODY WEIGHT: 808.5 GRAMS
DATE AND TIME OF NECROPSY: 10/17/99 8:30 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92537 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 02/14/00 STUDY DAY OF DEATH: 666 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 02/14/00 9:30 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>MASS(ES); VENTRAL-CERVICAL-LEFT; WEEK 91; 45 X 50MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); DORSAL; WEEK 93; 15 X 15MM; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; SORE/SCAB; DORSAL; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)
LIVER (LI) :
-DARK FOCUS(I)/AREA(S); DIAPHRAGMATIC SURFACE OF LEFT LATERAL LOBE: SINGLE DARK BROWN, SLIGHTLY DEPRESSED AREA, 8 X 8 X 1 MM; COLLECTED ON ROUTINE SECTION
KIDNEY (KD) :
-LIGHT FOCUS(I)/AREA(S); CORTEX OF RIGHT KIDNEY: SINGLE TAN FOCUS, 6 MM IN DIAMETER

HISTOPATHOLOGY

BRAIN (BR) :
>UNREMARKABLE
LIVER (LI) :
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
-HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-MODERATE
-DEGENERATION / NECROSIS, CENTRILOBULAR,-MODERATE
KIDNEY (KD) :
-N-SARCOMA,-NEOPLASM PRESENT

SPLEEN (SP) :
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE
ADRENAL, CORTEX (AC) :
-VACUOLATION, DIFFUSE,-MODERATE
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SEVERE
LUNG (LU) :
-N-SARCOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92537 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 02/14/00 STUDY DAY OF DEATH: 666 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 02/14/00 9:30 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

LUNG (LU) :
-MASS(ES); ALL LOBES: MULTIPLE MASSES, UP TO 15 MM IN DIAMETER; RED, DARK RED, TAN, FIRM, AND LOBULATED; SAME ON CUT SURFACE; COLLECTED INTACT WITH LUNGS; REGIONAL LN (TRACHEOBRONCHIAL) NOT IDENTIFIED

PITUITARY (PI) :
-MASS(ES); SINGLE MASS, 6 X 5 X 4 MM, RED, DARK RED, TAN, LOBULATED, AND SOFT

STOMACH, NONGL (SU) :
-EROSION/ULCERATION; MUCOSA: MULTIPLE TAN ERODED AREAS, UP TO 12 X 5 MM

HISTOPATHOLOGY

HEART (HT) :
-N-SARCOMA,-NEOPLASM PRESENT

PITUITARY (PI) :
-B-ADENOMA,-NEOPLASM PRESENT

STOMACH, NONGL (SU) :
>UNREMARKABLE

DUODENUM (DU) :
>AUTOLYTIC

JEJUNUM (JE) :
>AUTOLYTIC

ILEUM (IL) :
>AUTOLYTIC

CECUM (CE) :
>AUTOLYTIC

COLON (CO) :
>AUTOLYTIC

RECTUM (RE) :
>AUTOLYTIC

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92537 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 02/14/00 STUDY DAY OF DEATH: 666 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 02/14/00 9:30 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	SKIN (SK) : -MASS(ES); LEFT DORSAL SHOULDER REGION: SINGLE MASS, 15 X 13 X 5 MM, TAN AND BROWN; SAME ON CUT SURFACE; COLLECTED; OVERLYING SKIN HAS A DRY AND CRUSTED AREA, 15 X 13 MM; REGIONAL LN (AXILLARY) NORMAL (CAP 23)	SKIN (SK) : -B-KERATOACANTHOMA,-NEOPLASM PRESENT -M-FIBROSARCOMA,-NEOPLASM PRESENT
	PROSTATE (PR) : -NODULAR; PROXIMAL, SURROUNDING URETHRA: GREEN, TAN, AND FIRM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE
		CAUSE OF DEATH (CD) : -NEOPLASM, SKIN/MUSCLE/SUBCUTIS,-PRESENT
	MAMMARY, MALE (MM) : -MASS(ES); LEFT CERVICAL REGION: SINGLE MASS, 65 X 50 X 35 MM, RED, DARK RED, GRAY, LOBULATED, AND VASCULAR; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (MANDIBULAR) NORMAL (CAP 22)	MAMMARY, MALE (MM) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL >NOTE:>SEE SKIN FOR DIAGNOSIS OF MASS

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92537 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 02/14/00 STUDY DAY OF DEATH: 666 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 02/14/00 9:30 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX), LN, MANDIBULAR (MN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92538 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 09/14/99 STUDY DAY OF DEATH: 513 STUDY WEEK OF DEATH: 74 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 09/14/99 13:22 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; OBES; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT KIDNEY (KD) : -MINERALIZATION, PELVIC,-SLIGHT -MINERALIZATION, TUBULAR,-SLIGHT -INFLAMMATION, CHRONIC-ACTIVE, PELVIC,-MODERATELY SEVERE PANCREAS (PA) : -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL ILEUM (IL) : >AUTOLYTIC CECUM (CE) : >AUTOLYTIC COLON (CO) : >AUTOLYTIC

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92538 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 09/14/99 STUDY DAY OF DEATH: 513 STUDY WEEK OF DEATH: 74 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 09/14/99 13:22 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	URINARY BLADDER (UB) : -CALCULUS(I); WITHIN LUMEN: MULTIPLE TAN CALCULI, UP TO 6 MM IN DIAMETER	URINARY BLADDER (UB) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MODERATELY SEVERE -HYPERPLASIA, TRANSITIONAL CELL,-MODERATELY SEVERE -MINERALIZED MATERIAL, LUMEN,-PRESENT SEMINAL VESICLES (SV) : >AUTOLYTIC CAUSE OF DEATH (CD) : -INFECTION / NECROSIS / CALCULUS, URINARY TRACT,-PRESENT
	GENERAL COMMENT (GC) : -URINARY BLADDER-LARGE LUMEN; UP TO 30 MM IN DIAMETER -ANIMAL OBESE	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92538 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 09/14/99 STUDY DAY OF DEATH: 513 STUDY WEEK OF DEATH: 74 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 09/14/99 13:22 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), RECTUM (RE), SKIN (SK), PROSTATE (PR), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92539 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/28/00 STUDY DAY OF DEATH: 680 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: 517.8 GRAMS
DATE AND TIME OF NECROPSY: 02/28/00 14:42 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); TAIL-PROXIMAL; WEEK 87; VERIFIED AT NECROPSY: NOT OBSERVED		EYE (EY) : -DYSTROPHY, CORNEAL IN EARLY STAGES, CONSISTS PRIMARILY OF FOCAL MINERALIZATION,-MINIMAL
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED		
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT -COMPRESSION, VENTRAL,-PRESENT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -VACUOLATION, HEPATOCELLULAR,-SEVERE
	KIDNEY (KD) : -ROUGH SURFACE, DIFFUSE; BILATERAL	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,- MODERATELY SEVERE -M-CARCINOMA, TUBULAR CELL,-NEOPLASM PRESENT
		SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE
		PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,- MODERATELY SEVERE -INFILTRATION, FAT, INTERSTITIAL,- MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92539 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/28/00 STUDY DAY OF DEATH: 680 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: 517.8 GRAMS
DATE AND TIME OF NECROPSY: 02/28/00 14:42 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -VACUOLATION, FOCAL,-SLIGHT -PIGMENT,-MINIMAL
	TESTIS (TE) : -SMALL; BILATERAL: EACH IS 15 X 10 X 10 MM	TESTIS (TE) : -ATROPHY/DEGENERATION,-MINIMAL
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE
		HEART (HT) : -CARDIOMYOPATHY,-MINIMAL -METAPLASIA, OSSEOUS / CARTILAGINOUS,-SLIGHT
		THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 9 X 8 X 8 MM, DARK RED, TAN, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: MULTIPLE TAN ERODED AREAS, UP TO 2 MM IN DIAMETER	STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-MODERATELY SEVERE -ULCERATION,-SLIGHT -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
	PROSTATE (PR) : -NODULAR; PROXIMAL SURROUNDING URETHRA: GREEN AND FIRM	PROSTATE (PR) : >UNREMARKABLE
		SEMINAL VESICLES (SV) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92539 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/28/00 STUDY DAY OF DEATH: 680 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: 517.8 GRAMS
DATE AND TIME OF NECROPSY: 02/28/00 14:42 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		SEMINAL VESICLES (SV) : -ATROPHY,-MODERATE EPIDIDYMIDES (EP) : -VACUOLATION, TUBULAR EPITHELIUM,- MODERATE -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	TAIL (TI) : -CRUSTED AREA(S); PROXIMAL ONE-THIRD OF TAIL: MULTIPLE DARK BROWN, AND RAISED CRUSTED AREAS; COLLECTED WITH TAIL GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY RED MATERIAL -STAINS-PERINEUM/PERIANAL; EXTENDING TO MID ABDOMINAL REGION: MOIST BROWN MATERIAL	TAIL (TI) : -INFLAMMATION, CHRONIC-ACTIVE,-SEVERE -ACANTHOSIS / HYPERKERATOSIS,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92539 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/28/00 STUDY DAY OF DEATH: 680 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: 517.8 GRAMS
DATE AND TIME OF NECROPSY: 02/28/00 14:42 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92540 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 819.8 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 11:14 PROSECTOR: KEVIN BILLINGS RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0399	.0049 %	.0180	WEIGHT TAKEN
RT ADRENAL (AD1)	.0359	.0044 %	.0162	WEIGHT TAKEN
BRAIN (BR)	2.2165	.2704 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	2.3557	.2874 %	1.0628	WEIGHT TAKEN
RT KIDNEY (KD1)	2.4085	.2938 %	1.0866	WEIGHT TAKEN
LIVER (LI)	24.2163	2.9539 %	10.9255	WEIGHT TAKEN
LUNG (LU)	2.7162	.3313 %	1.2254	WEIGHT TAKEN
SPLEEN (SP)	.8689	.1060 %	.3920	WEIGHT TAKEN
LF TESTIS (TE0)	1.6604	.2025 %	.7491	WEIGHT TAKEN
RT TESTIS (TE1)	1.5733	.1919 %	.7098	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0148	.0018 %	.0067	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0223	.0027 %	.0101	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MODERATE
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MINIMAL
-VACUOLATION, HEPATOCELLULAR,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92540 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 819.8 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 11:14 PROSECTOR: KEVIN BILLINGS RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
		MARROW, STERNUM (SE) : -HYPOCELLULAR, MARROW,-SLIGHT
	SPINAL CORD (SC) : >NOTE:>TRIMMING COMMENT: CERVICAL SPINAL CORD MISSING FROM WET TISSUE	SPINAL CORD (SC) : >UNREMARKABLE >NOTE:>TWO SEGMENTS EXAMINED
	THYMUS (TH) : >NOTE:>TRIMMING COMMENT: MISSING FROM WET TISSUE	THYMUS (TH) : >TISSUE MISSING
		LUNG (LU) : -HEMORRHAGE,-PRESENT
		THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); LEFT POSTERIOR ASPECT: SINGLE SLIGHTLY RAISED AREA, 2 MM IN DIAMETER	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT -ANGIECTASIS,-PRESENT
		PROSTATE (PR) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92540 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 819.8 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 11:14 PROSECTOR: KEVIN BILLINGS RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), BONE, STERNUM (SB), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92541 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 709.4 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 12:34 PROSECTOR: JAMES T. CALLEN RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 2 X 1 MM; COLLECTED ON ROUTINE SECTIONS	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -DEGENERATION, CYSTIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MINIMAL PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-MODERATE -INFILTRATION, FAT, INTERSTITIAL,-SLIGHT ADRENAL, CORTEX (AC) : -PIGMENT,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92541 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 709.4 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 12:34 PROSECTOR: JAMES T. CALLEN RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	TESTIS (TE) : -SMALL; LEFT: 20 X 9 X 7 MM (RIGHT IS 26 X 15 X 15 MM); LEFT APPEARS SOFT	TESTIS (TE) : -ATROPHY/DEGENERATION,-SEVERE >NOTE:>UNILATERAL THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SEVERE LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-SLIGHT THYROID (TY) : -HYPERPLASIA, C-CELL,-SLIGHT
	PITUITARY (PI) : -MASS(ES); 10 X 7 X 6 MM, RED, DARK RED, TAN AND FIRM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		URINARY BLADDER (UB) : -PROTEINACEOUS MATERIAL, LUMINAL,-PRESENT
	PROSTATE (PR) : -NODULAR; TISSUE SURROUNDING URETHRA	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SEVERE
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92541 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 709.4 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 12:34 PROSECTOR: JAMES T. CALLEN RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92542 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 792.2 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 10:16 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>WART LIKE LESION(S); HEAD-MAXILLARY-RIGHT; WEEK 66; VERIFIED AT NECROPSY: OBSERVED
>WART LIKE LESION(S); DORSAL-CERVICAL-RIGHT; WEEK 69; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); TAIL-PROXIMAL; WEEK 93; 15 X 10MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); DORSAL; WEEK 103; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

LIVER (LI) :
-RED FOCUS(I)/AREA(S); ALL LOBES, DIFFUSE: MULTIPLE DARK RED AREAS, UP TO 4 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE
SPLEEN (SP) :
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE
PANCREAS (PA) :
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
-INFILTRATION, FAT, INTERSTITIAL,-MODERATE
ADRENAL, CORTEX (AC) :
-B-ADENOMA,-NEOPLASM PRESENT
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE
LUNG (LU) :
-MINERALIZATION, VASCULAR,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92542 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 792.2 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 10:16 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL -HYPERPLASIA, TYPE II PNEUMOCYTE,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
	STOMACH, GL (ST) : -THICKENED WALL; MUCOSA: DIFFUSE	STOMACH, GL (ST) : >UNREMARKABLE COLON (CO) : -PARASITISM,-PRESENT
	SKIN (SK) : -CRUSTED AREA(S); RIGHT LATERAL CERVICAL REGION: SINGLE DARK RED, TAN, AND DRY AREA, 6 X 3 X 2 MM (CAP 24) -MASS(ES); RIGHT DORSAL THORACIC REGION: SINGLE MASS, 18 X 16 X 8 MM, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 25) -RAISED FOCUS(I)/AREA(S); RIGHT SIDE OF MUZZLE: SINGLE DARK BROWN, TAN, AND DRY AREA, 3 X 3 X 8 MM (CAP 23)	SKIN (SK) : -ACANTHOSIS/HYPERKERATOSIS,-MODERATELY SEVERE -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE -CYST, EPIDERMAL INCLUSION,-PRESENT -SUPERFICIAL CRUSTING,-MODERATELY SEVERE
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL SEMINAL VESICLES (SV) : -SECRETION, DECREASED,-PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92542 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 792.2 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 10:16 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, MANDIBULAR (MN) : -MOTTLED; BILATERAL: RED AND TAN; COLLECTED	LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE -HEMORRHAGE,-PRESENT
	TAIL (TI) : -RAISED AREA(S); 40 MM FROM BASE: SINGLE TAN AREA, 12 X 7 X 3 MM; CUT SURFACE EXUDES A LIGHT GREEN SEMISOLID; COLLECTED	TAIL (TI) : -CYST, EPIDERMAL INCLUSION,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92542 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 792.2 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 10:16 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), MAMMARY, MALE (MM), COAGULATING GL (CG), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), RECTUM (RE), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92543 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/14/00 STUDY DAY OF DEATH: 695 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/14/00 7:06 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
	PANCREAS (PA) : -MASS(ES); NEAR DUODENUM: SINGLE MASS, 4 MM IN DIAMETER, RED, TAN AND SOFT; SAME ON CUT SURFACE (CAP 22); REGIONAL LN (PANCREATIC) NOT IDENTIFIED	PANCREAS (PA) : -M-CARCINOMA, ISLET CELL,-NEOPLASM PRESENT
		ADRENAL, CORTEX (AC) : -PIGMENT,-MINIMAL MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-SLIGHT LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT PARATHYROID (PT) : -HYPERPLASIA,-SLIGHT
	PITUITARY (PI) : -DIFFUSELY RED; MID ASPECT: DARK RED	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92543 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/14/00 STUDY DAY OF DEATH: 695 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/14/00 7:06 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ILEUM (IL) :
		>AUTOLYTIC
		CECUM (CE) :
		>AUTOLYTIC
		COLON (CO) :
		>AUTOLYTIC
		PROSTATE (PR) :
		-INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL
		CAUSE OF DEATH (CD) :
		-UNDETERMINED MICROSCOPICALLY,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92543 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/14/00 STUDY DAY OF DEATH: 695 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/14/00 7:06 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92544 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 531.6 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 11:14 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: NOT OBSERVED
>WART LIKE LESION(S); PAW-HIND-LEFT; WEEK 95; VERIFIED AT NECROPSY: NOT OBSERVED
>APPEARANCE; SWOLLEN; PAWS-HIND; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; MISSING; TEETH; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); LIMB-FRONT-LEFT; WEEK 102; 30 X 30MM; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; SWOLLEN; TAIL; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-SLIGHT
-NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL
-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL
-DEGENERATION, CYSTIC,-MINIMAL
-HYPERPLASIA, BILE DUCT,-MODERATE
-FIBROSIS, PERIBILIARY,-SLIGHT
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT
PANCREAS (PA) :
-ATROPHY, ACINAR,-MINIMAL
-INFILTRATION, FAT, INTERSTITIAL,-SLIGHT
ADRENAL, CORTEX (AC) :
-HYPERTROPHY, CORTICAL CELL,-MINIMAL
-DEGENERATION, CYSTIC / HEMORRHAGIC,-MINIMAL
-PIGMENT,-SLIGHT
ADRENAL, MEDULLA (MA) :
-HYPERPLASIA, MEDULLARY,-SLIGHT
-B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92544 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 531.6 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 11:14 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	THYMUS (TH) : -MISSING/NOT IDENTIFIED; NOT POSSIBLY IDENTIFIED, POSSIBLE REMNANTS COLLECTED	THYMUS (TH) : >SECTION EXAMINED; TISSUE NOT PRESENT
		LUNG (LU) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
	MUSCLE, SKELETAL (SM) : -MASS(ES); MUSCLE SURROUNDING LEFT FRONT LEG: SINGLE MASS, 40 X 20 X 25 MM, TAN, RED, DARK RED, GREY, AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 25)	MUSCLE, SKELETAL (SM) : -M-SARCOMA, UNDIFFERENTIATED,-NEOPLASM PRESENT
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); RIGHT ANTERIOR ASPECT: SINGLE DARK RED FOCUS, 3 MM IN DIAMETER	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	PROSTATE (PR) : -NODULAR; PROXIMAL SURROUNDING URETHRA: GREEN AND FIRM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
		SEMINAL VESICLES (SV) : -SECRETION, DECREASED,-PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, MANDIBULAR (MN) : -LARGE; BILATERAL: UP TO 11 X 7 X 3 MM; COLLECTED	LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATELY SEVERE -LYMPHANGIECTASIS,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92544 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 531.6 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 11:14 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	TAIL (TI) : -LARGE; ENTIRE TAIL: UP TO 15 MM IN DIAMETER; COLLECTED LN, LUMBAR/ILIAC (LM) : -LARGE; BILATERAL: LEFT IS 7 X 6 X 4 MM, RIGHT IS 24 X 22 X 10 MM; BOTH ARE CYSTIC (CAP 24) JOINT, OTHER (JT) : -LARGE; BILATERAL TARSAL JOINT: BOTH ARE 13 MM IN DIAMETER; BOTH COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -TEETH MISSING/BROKEN/WORN; BILATERAL UPPER INCISORS: BROKEN OFF AT BASE	TAIL (TI) : -ACANTHOSIS / HYPERKERATOSIS,-SLIGHT LN, LUMBAR/ILIAC (LM) : -LYMPHANGIECTASIS,-PRESENT JOINT, OTHER (JT) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE -FIBROSIS,-SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92544 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 531.6 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 11:14 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), MAMMARY, MALE (MM), COAGULATING GL (CG), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92545 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/31/00 STUDY DAY OF DEATH: 652 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/31/00 8:40 PROSECTOR: STEVE VAN ADESTINE RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -DILATATION, PELVIC,-MINIMAL SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT PANCREAS (PA) : -ATROPHY, ACINAR,-MINIMAL ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-SLIGHT -PIGMENT,-SLIGHT THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE HEART (HT) : -CARDIOMYOPATHY,-SLIGHT PITUITARY (PI) : -HYPERPLASIA,-MODERATE CECUM (CE) : >AUTOLYTIC

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92545 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/31/00 STUDY DAY OF DEATH: 652 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/31/00 8:40 PROSECTOR: STEVE VAN ADESTINE RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		COLON (CO) :
		>AUTOLYTIC
		CAUSE OF DEATH (CD) :
		-UNDETERMINED MICROSCOPICALLY,-PRESENT
	GENERAL COMMENT (GC) :	
	-NO MACROSCOPIC LESIONS	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92545 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/31/00 STUDY DAY OF DEATH: 652 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/31/00 8:40 PROSECTOR: STEVE VAN ADESTINE RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92546 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 317.9 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 12:03 PROSECTOR: LYNN HORNER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LF KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	11.0070	3.4623 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN

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

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92546 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 317.9 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 12:03 PROSECTOR: LYNN HORNER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE),
BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM),
NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI),
HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE),
ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR),
SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN),
LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI),
LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP),
AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT),
DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO),
PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS),
BILE DUCT (BD), TRIGEMINAL NERVE (TG)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92547 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/21/99 STUDY DAY OF DEATH: 611 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: 627.2 GRAMS
DATE AND TIME OF NECROPSY: 12/21/99 7:35 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED		-X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) :	LIVER (LI) :
	-ROUGH SURFACE, DIFFUSE; ALL LOBES	-X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT
>APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE		-X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE		
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE	SPLEEN (SP) :	SPLEEN (SP) :
	-LARGE; 60 X 18 X 10 MM	-X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
		PANCREAS (PA) :
		-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
		ADRENAL, CORTEX (AC) :
		-B-ADENOMA,-NEOPLASM PRESENT
		-X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
	TESTIS (TE) :	TESTIS (TE) :
	-SMALL; BILATERAL: EACH IS 20 X 12 X 6 MM; BOTH ARE SOFT	-ATROPHY/DEGENERATION,-SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92547 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/21/99 STUDY DAY OF DEATH: 611 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: 627.2 GRAMS
DATE AND TIME OF NECROPSY: 12/21/99 7:35 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, FEMUR (FM) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT -HYPERPLASIA, MYELOID, MARROW,-MODERATE
		MARROW, STERNUM (SE) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT -HYPERPLASIA, MYELOID, MARROW,-MODERATE
		SPINAL CORD (SC) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SEVERE
		LUNG (LU) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
		HEART (HT) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
		THYROID (TY) : -DILATATION / CYST, FOLLICULAR,-PRESENT
	PITUITARY (PI) : -MASS(ES); 9 X 7 X 6 MM, RED, DARK RED, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		STOMACH, GL (ST) : >UNREMARKABLE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92547 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/21/99 STUDY DAY OF DEATH: 611 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: 627.2 GRAMS
DATE AND TIME OF NECROPSY: 12/21/99 7:35 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE BROWN AREAS, UP TO 1 MM IN DIAMETER	
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: MULTIPLE TAN ERODED AREAS, UP TO 5 X 4 MM	STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-MODERATE -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
	PROSTATE (PR) : -NODULAR; PROXIMAL SURROUNDING URETHRA: GREEN AND FIRM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
	SEMINAL VESICLES (SV) : -SMALL; BILATERAL: EACH IS 15 X 10 X 5 MM	SEMINAL VESICLES (SV) : -SECRETION, DECREASED,-PRESENT
		HEMATO NEOPLASIA (HN) : -M-LYMPHOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -NEOPLASM, HEMATOPOIETIC,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92547 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/21/99 STUDY DAY OF DEATH: 611 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: 627.2 GRAMS
DATE AND TIME OF NECROPSY: 12/21/99 7:35 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), BONE, STERNUM (SB), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92548 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/22/99 STUDY DAY OF DEATH: 582 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/22/99 10:10 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) PITUITARY (PI) : -MASS(ES); 13 X 10 X 8 MM, DARK RED, TAN AND SOFT	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-SLIGHT ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MINIMAL -PIGMENT,-MINIMAL THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SEVERE LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT JEJUNUM (JE) : >AUTOLYTIC ILEUM (IL) : >AUTOLYTIC

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92548 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/22/99 STUDY DAY OF DEATH: 582 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/22/99 10:10 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CECUM (CE) : >AUTOLYTIC
	PROSTATE (PR) : -NODULAR; PROXIMAL, SURROUNDING URETHRA: GREEN AND FIRM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92548 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/22/99 STUDY DAY OF DEATH: 582 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/22/99 10:10 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), KIDNEY (KD), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92549 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/31/99 STUDY DAY OF DEATH: 560 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/31/99 14:51 PROSECTOR: TROY ELLENBECKER RECORDER: TROY ELLENBECKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

LIVER (LI) :
-FIBROSIS, PERIBILIARY,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-
MINIMAL
PANCREAS (PA) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
ADRENAL, MEDULLA (MA) :
-UNILATERALLY EXAMINED,-PRESENT
TESTIS (TE) :
-ATROPHY/DEGENERATION,-SEVERE
>NOTE:>UNILATERAL
THYMUS (TH) :
-HEMORRHAGE,-PRESENT
-DEPLETION, LYMPHOCYTIC (GENERALLY
COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-
MODERATELY SEVERE
CECUM (CE) :
>AUTOLYTIC
CAUSE OF DEATH (CD) :
-UNDETERMINED MICROSCOPICALLY,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92549 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/31/99 STUDY DAY OF DEATH: 560 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/31/99 14:51 PROSECTOR: TROY ELLENBECKER RECORDER: TROY ELLENBECKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), ADRENAL, CORTEX (AC), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92550 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/15/00 STUDY DAY OF DEATH: 727 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/15/00 8:15 PROSECTOR: JARED FISHEL RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; SWOLLEN; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -HYPERPLASIA, BILE DUCT,-SLIGHT -FIBROSIS, PERIBILIARY,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT ADRENAL, CORTEX (AC) : -PIGMENT,-SLIGHT ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT LN, MESENTERIC (MS) : -HEMORRHAGE,-PRESENT TESTIS (TE) : -MINERALIZATION, VASCULAR,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92550 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/15/00 STUDY DAY OF DEATH: 727 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/15/00 8:15 PROSECTOR: JARED FISHEL RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE LUNG (LU) : -EDEMA, ALVEOLAR,-SLIGHT HEART (HT) : -CARDIOMYOPATHY,-MINIMAL PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT CECUM (CE) : >AUTOLYTIC PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT CAUSE OF DEATH (CD) : -UNDETERMINED MICROSCOPICALLY,-PRESENT
	FOOT/FOOTPAD (FP) : -LARGE; RIGHT HINDFOOT: 45 X 14 X 12 MM (LEFT IS 45 X 10 X 8 MM); RIGHT APPEARS SWOLLEN; COLLECTED	FOOT/FOOTPAD (FP) : >UNREMARKABLE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92550 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/15/00 STUDY DAY OF DEATH: 727 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/15/00 8:15 PROSECTOR: JARED FISHEL RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92551 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 674.3 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 8:15 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-SLIGHT -VACUOLATION, HEPATOCELLULAR,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE -MINERALIZATION, PELVIC,-MODERATE -HYPERPLASIA, TRANSITIONAL CELL,-MINIMAL SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-SLIGHT ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-SEVERE -PIGMENT,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92551 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 674.3 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 8:15 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, MEDULLA (MA) : -HYPERPLASIA, MEDULLARY,-MINIMAL
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE
		HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
	THYROID (TY) : -LARGE; RIGHT: 6 X 4 X 2 MM -SMALL; LEFT: 2 X 2 X 1 MM	THYROID (TY) : -HYPERPLASIA, C-CELL,-SLIGHT
	PITUITARY (PI) : -MASS(ES); 8 X 6 X 5 MM, DARK RED, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -THICKENED WALL; DIFFUSE	STOMACH, GL (ST) : -HYPERPLASIA, EPITHELIAL, GLANDULAR,-SLIGHT
	PROSTATE (PR) : -NODULAR; PROXIMAL, SURROUNDING URETHRA: GREEN AND FIRM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, AXILLARY (AX) : -MOTTLED; BILATERAL: BROWN AND TAN (CAP 23)	LN, AXILLARY (AX) : -INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT
		MAMMARY, MALE (MM) : -GALACTOCELE,-PRESENT -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92551 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 674.3 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 8:15 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, MALE (MM) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 12 X 12 X 9 MM, DARK RED, TAN AND FIRM; CUT SURFACE EXUDES A TAN CREAMY SEMIFLUID; COLLECTED; REGIONAL LN (SEE AXILLARY) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92551 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 674.3 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 8:15 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92552 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/14/00 STUDY DAY OF DEATH: 726 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: 450.2 GRAMS
DATE AND TIME OF NECROPSY: 04/14/00 7:35 PROSECTOR: JARED FISHEL RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE >APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED >EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE >BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) TESTIS (TE) : -SMALL; BILATERAL: EACH IS 15 X 11 X 7 MM; BOTH ARE SOFT	EYE (EY) : -DYSTROPHY, CORNEAL IN EARLY STAGES, CONSISTS PRIMARILY OF FOCAL MINERALIZATION,-MINIMAL BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-MODERATELY SEVERE ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC / HEMORRHAGIC,-MINIMAL -PIGMENT,-MINIMAL TESTIS (TE) : -ATROPHY/DEGENERATION,-MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92552 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/14/00 STUDY DAY OF DEATH: 726 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: 450.2 GRAMS
DATE AND TIME OF NECROPSY: 04/14/00 7:35 PROSECTOR: JARED FISHEL RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		TESTIS (TE) : -MINERALIZATION, VASCULAR,-MINIMAL -B-INTERSTITIAL CELL TUMOR,-NEOPLASM PRESENT -INFILTRATE, LYMPHOHISTIOCYTIC,-SLIGHT THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SEVERE HEART (HT) : -CARDIOMYOPATHY,-SLIGHT THYROID (TY) : -HYPERPLASIA, C-CELL,-SLIGHT -DILATATION / CYST, FOLLICULAR,-PRESENT
	PITUITARY (PI) : -MASS(ES); 11 MM IN DIAMETER, DARK RED, GRAY AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	PROSTATE (PR) : -MASS(ES); RIGHT PROXIMAL REGION, NEAR SEMINAL VESICLE: SINGLE MASS, 12 X 10 X 4 MM, GRAY, TAN AND SOFT; COLLECTED INTACT WITH PROSTATE; REGIONAL LN (LUMBAR) NORMAL (CAP 22)	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE -HYPERPLASIA, EPITHELIAL,-MODERATELY SEVERE
		EPIDIDYMIDES (EP) : -HYPOSPERMIA,-PRESENT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92552 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/14/00 STUDY DAY OF DEATH: 726 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: 450.2 GRAMS
DATE AND TIME OF NECROPSY: 04/14/00 7:35 PROSECTOR: JARED FISHEL RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LN, LUMBAR/ILIAC (LM) : -HYPERPLASIA, LYMPHOPLASMACYTIC,- MODERATE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; RIGHT: DRY RED MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92552 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/14/00 STUDY DAY OF DEATH: 726 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: 450.2 GRAMS
DATE AND TIME OF NECROPSY: 04/14/00 7:35 PROSECTOR: JARED FISHEL RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92553 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/28/99 STUDY DAY OF DEATH: 435 STUDY WEEK OF DEATH: 63 TERMINAL BODY WEIGHT: 344.7 GRAMS
DATE AND TIME OF NECROPSY: 06/28/99 14:38 PROSECTOR: KEVIN BILLINGS RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) :
>SKIN & PELAGE; BROWN HAIR COAT; PERINEAL AREA; VERIFIED AT NECROPSY: NOT OBSERVED		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL KIDNEY (KD) :
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED		-MINERALIZATION, PELVIC,-MINIMAL SPLEEN (SP) :
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT APPLICABLE		-PIGMENT, INCREASED,-MODERATE ADRENAL, CORTEX (AC) :
>APPEARANCE; SWOLLEN; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: NOT APPLICABLE		-PIGMENT,-MINIMAL MARROW, STERNUM (SE) :
		-HYPERPLASIA, MYELOID, MARROW,-SLIGHT LUNG (LU) :
		-MINERALIZATION, VASCULAR,-MINIMAL
		-INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT
		-INFLAMMATION, GRANULOMATOUS,-MINIMAL
	ESOPHAGUS (ES) :	ESOPHAGUS (ES) :
	-LARGE; DIFFUSE: UP TO 8 MM IN DIAMETER	-DILATATION, LUMINAL,-PRESENT
		PARATHYROID (PT) :
		>TISSUE MISSING
		PROSTATE (PR) :
		-INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL
		CAUSE OF DEATH (CD) :
		-UNDETERMINED MICROSCOPICALLY,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92553 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/28/99 STUDY DAY OF DEATH: 435 STUDY WEEK OF DEATH: 63 TERMINAL BODY WEIGHT: 344.7 GRAMS
DATE AND TIME OF NECROPSY: 06/28/99 14:38 PROSECTOR: KEVIN BILLINGS RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : >NOTE:>DILATED ESOPHAGUS MAY SUGGEST OBSTRUCTION, WITH SOME ASPIRATION RESULTING IN THE GRANULOMATOUS CHANGES IN THE LUNG.
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL, LOWER INCISORS -GI TRACT-LARGE LUMEN; DUODENUM, JEJUNUM, ILEUM AND CECUM: DUODENUM IS UP TO 10 MM IN DIAMETER; JEJUNUM, ILEUM AND CECUM ARE UP TO 20 MM IN DIAMETER; ALL ARE DISTENDED WITH GAS	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92553 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/28/99 STUDY DAY OF DEATH: 435 STUDY WEEK OF DEATH: 63 TERMINAL BODY WEIGHT: 344.7 GRAMS
DATE AND TIME OF NECROPSY: 06/28/99 14:38 PROSECTOR: KEVIN BILLINGS RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), THYROID (TY), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92554 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/07/00 STUDY DAY OF DEATH: 719 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 510.8 GRAMS
DATE AND TIME OF NECROPSY: 04/07/00 14:38 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; RED HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; RECUMBENT; STERNAL; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

LIVER (LI) :
-DARK FOCUS(I)/AREA(S); LEFT LATERAL LOBE: MULTIPLE DARK BROWN AREAS, UP TO 4 X 3 MM; SOME AREAS HAVE A STELLATE PATTERN; COLLECTED ON ROUTINE SECTION

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
-HEMORRHAGE,-MINIMAL
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MODERATE
-HEMATOPOIESIS, EXTRAMEDULLARY,-SLIGHT
-HYPERPLASIA, BILE DUCT,-MINIMAL
-FIBROSIS, PERIBILIARY,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
ADRENAL, CORTEX (AC) :
-PIGMENT,-MINIMAL
MARROW, FEMUR (FM) :
-HYPOCELLULAR, MARROW,-SEVERE
MARROW, STERNUM (SE) :
-HYPOCELLULAR, MARROW,-MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92554 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/07/00 STUDY DAY OF DEATH: 719 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 510.8 GRAMS
DATE AND TIME OF NECROPSY: 04/07/00 14:38 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE HEART (HT) : -CARDIOMYOPATHY,-SLIGHT
	PITUITARY (PI) : -MASS(ES); 10 X 9 X 7 MM, RED, DARK RED, GREY, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA, SURROUNDING PYLORIC VALVE: MULTIPLE BROWN AREAS, UP TO 3 X 1 MM	STOMACH, GL (ST) : -EROSION,-SLIGHT -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA, SURROUNDING CARDIAC VALVE: MULTIPLE TAN AND SLIGHTLY ERODED AREAS, UP TO 3 X 1 MM	STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-MODERATE -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
	PROSTATE (PR) : -NODULAR; PROXIMAL, TISSUE SURROUNDING URETHRA: GREEN	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
	SEMINAL VESICLES (SV) : -SMALL; BILATERAL: EACH IS 14 X 5 X 4 MM	SEMINAL VESICLES (SV) : -ATROPHY,-SEVERE
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92554 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/07/00 STUDY DAY OF DEATH: 719 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 510.8 GRAMS
DATE AND TIME OF NECROPSY: 04/07/00 14:38 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -STAINS - SKIN/HAIRCOAT; ALL REGIONS, DIFFUSE: DRY, RED MATERIAL	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92555 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/08/99 STUDY DAY OF DEATH: 415 STUDY WEEK OF DEATH: 60 TERMINAL BODY WEIGHT: 540.6 GRAMS
DATE AND TIME OF NECROPSY: 06/08/99 14:30 PROSECTOR: GREGORY CODDINGTON RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>SKIN & PELAGE; YELLOW HAIR COAT;
VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; NO FECES; VERIFIED AT
NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; ROUGH HAIR COAT;
VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; HUNCHED; VERIFIED AT
NECROPSY: NOT APPLICABLE
>EYES; RED DISCHARGE; EYE-RIGHT;
VERIFIED AT NECROPSY: NOT OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-VACUOLATION, HEPATOCELLULAR,
PERIPORTAL,-MODERATELY SEVERE
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-
MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-MODERATE
-INFILTRATE, MACROPHAGE, PIGMENTED,-
MINIMAL
-HYPERPLASIA, ISLET CELLS,-MINIMAL
ADRENAL, CORTEX (AC) :
-PIGMENT,-MINIMAL
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY
COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-
SEVERE
HEART (HT) :
-CARDIOMYOPATHY,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92555 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/08/99 STUDY DAY OF DEATH: 415 STUDY WEEK OF DEATH: 60 TERMINAL BODY WEIGHT: 540.6 GRAMS
DATE AND TIME OF NECROPSY: 06/08/99 14:30 PROSECTOR: GREGORY CODDINGTON RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 12 X 8 X 8 MM, RED, DARK RED, TAN AND SOFT STOMACH, NONGL (SU) : -THICKENED WALL; DIFFUSE GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; LEFT: DARK RED AND DRY -STAINS-PERINEUM/PERIANAL; MOIST YELLOW MATERIAL	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-MODERATE -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92555 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/08/99 STUDY DAY OF DEATH: 415 STUDY WEEK OF DEATH: 60 TERMINAL BODY WEIGHT: 540.6 GRAMS
DATE AND TIME OF NECROPSY: 06/08/99 14:30 PROSECTOR: GREGORY CODDINGTON RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92556 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/28/99 STUDY DAY OF DEATH: 435 STUDY WEEK OF DEATH: 63 TERMINAL BODY WEIGHT: 402.2 GRAMS
DATE AND TIME OF NECROPSY: 06/28/99 14:33 PROSECTOR: JERALD W. JOHNSON RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	-COMPRESSED (HYPOTHALAMUS)	>UNREMARKABLE
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) :	LIVER (LI) :
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	-MOTTLED; ALL LOBES: RED AND TAN	-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
		-GLYCOGEN, HEPATOCELLULAR, INCREASED,-MODERATELY SEVERE
		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT
		-HYALINE DROPLETS, TUBULAR EPITHELIUM,-MINIMAL
		SPLEEN (SP) :
		-PIGMENT, INCREASED,-MODERATE
		PANCREAS (PA) :
		>UNREMARKABLE
		>NOTE:>SEE SLIDE #17
		ADRENAL, CORTEX (AC) :
		-HYPERTROPHY, CORTICAL CELL,-MINIMAL
		-PIGMENT,-MINIMAL
	TESTIS (TE) :	TESTIS (TE) :
	-SMALL; BILATERAL: EACH IS 17 X 9 X 8 MM	-ATROPHY/DEGENERATION,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92556 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/28/99 STUDY DAY OF DEATH: 435 STUDY WEEK OF DEATH: 63 TERMINAL BODY WEIGHT: 402.2 GRAMS
DATE AND TIME OF NECROPSY: 06/28/99 14:33 PROSECTOR: JERALD W. JOHNSON RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE HEART (HT) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 11 X 9 X 7 MM, RED, DARK RED, VASCULAR AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-MODERATE -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
	SEMINAL VESICLES (SV) : -SMALL; BILATERAL: EACH IS 10 X 4 X 1 MM	SEMINAL VESICLES (SV) : -SECRETION, DECREASED,-PRESENT
		EPIDIDYMIDES (EP) : -HYPOSPERMIA,-PRESENT CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL, UPPER INCISORS -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92556 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/28/99 STUDY DAY OF DEATH: 435 STUDY WEEK OF DEATH: 63 TERMINAL BODY WEIGHT: 402.2 GRAMS
DATE AND TIME OF NECROPSY: 06/28/99 14:33 PROSECTOR: JERALD W. JOHNSON RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92557 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/27/99 STUDY DAY OF DEATH: 617 STUDY WEEK OF DEATH: 89 TERMINAL BODY WEIGHT: 486.8 GRAMS
DATE AND TIME OF NECROPSY: 12/27/99 14:09 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE >APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE >EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE >SKIN & PELAGE; RED HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) TESTIS (TE) : -CONTAINS FLUID; BILATERAL: BOTH ARE SOFT AND GELATINOUS -RED/YELLOW FOCUS(I)/AREA(S); RIGHT, BENEATH TUNICA: SINGLE YELLOW AREA, 8 X 4 MM	BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-MODERATE -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL -ATROPHY, ACINAR,-MINIMAL -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT TESTIS (TE) : -ATROPHY/DEGENERATION,-SEVERE -GRANULOMA, SPERM,-PRESENT >NOTE:>BILATERAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92557 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/27/99 STUDY DAY OF DEATH: 617 STUDY WEEK OF DEATH: 89 TERMINAL BODY WEIGHT: 486.8 GRAMS
DATE AND TIME OF NECROPSY: 12/27/99 14:09 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SEVERE THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 10 X 9 X 8 MM, RED, DARK RED, TAN, GRAY AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: MULTIPLE TAN ERODED AREAS, UP TO 3 MM IN DIAMETER	STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-MODERATE -ULCERATION,-SLIGHT -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
	PROSTATE (PR) : -NODULAR; PROXIMAL, SURROUNDING URETHRA: GREEN AND FIRM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN -STAINS - SKIN/HAIRCOAT; VENTRAL ABDOMINAL REGION: DARK RED AND MOIST	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92557 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/27/99 STUDY DAY OF DEATH: 617 STUDY WEEK OF DEATH: 89 TERMINAL BODY WEIGHT: 486.8 GRAMS
DATE AND TIME OF NECROPSY: 12/27/99 14:09 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92558 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/28/99 STUDY DAY OF DEATH: 557 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: 470.6 GRAMS
DATE AND TIME OF NECROPSY: 10/28/99 8:02 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) :	BRAIN (BR) :
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) :
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		-MINERALIZATION, PELVIC,-MINIMAL
		SPLEEN (SP) :
		-PIGMENT, INCREASED,-MINIMAL
		PANCREAS (PA) :
		-ZYMOGEN GRANULES, DECREASED,-MODERATE
		-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
		THYMUS (TH) :
		-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SEVERE
		LUNG (LU) :
		-MINERALIZATION, VASCULAR,-MINIMAL
		HEART (HT) :
		-CARDIOMYOPATHY,-SLIGHT
		-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 12 X 7 X 6 MM, DARK RED, TAN, AND SOFT	-B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92558 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/28/99 STUDY DAY OF DEATH: 557 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: 470.6 GRAMS
DATE AND TIME OF NECROPSY: 10/28/99 8:02 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, GL (ST) : -EROSION/ULCERATION; MUCOSA: MULTIPLE TAN ERODED AREAS, PINPOINT AND UP TO 1 MM IN DIAMETER	STOMACH, GL (ST) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL
		JEJUNUM (JE) : >AUTOLYTIC
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN	
	GENERAL INFORMATION (XX) : >NOTE:>IDENTIFICATION TRANSPONDER FOUND WITHIN ADIPOSE TISSUE OF ABDOMINAL CAVITY	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92558 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/28/99 STUDY DAY OF DEATH: 557 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: 470.6 GRAMS
DATE AND TIME OF NECROPSY: 10/28/99 8:02 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92559 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/22/99 STUDY DAY OF DEATH: 551 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/22/99 15:34 PROSECTOR: KEVIN BILLINGS RECORDER: KEVIN BILLINGS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>MASS(ES); TAIL-PROXIMAL; WEEK 72; 25 X 20MM; VERIFIED AT NECROPSY: NOT OBSERVED
>SKIN & PELAGE; SORE/SCAB; TAIL-PROXIMAL; VERIFIED AT NECROPSY: NOT OBSERVED
>MASS(ES); VENTRAL-THORACIC; WEEK 79; 20 X 20MM; VERIFIED AT NECROPSY: NOT OBSERVED

NECROPSY

LIVER (LI) :
-LARGE; ALL LOBES: THICKENED
-MOTTLED; ALL LOBES: RED, DARK RED AND TAN

HISTOPATHOLOGY

LIVER (LI) :
-X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
KIDNEY (KD) :
-HYALINE DROPLETS, TUBULAR EPITHELIUM,-MODERATE
SPLEEN (SP) :
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATELY SEVERE
PANCREAS (PA) :
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
-ATROPHY, ACINAR,-SLIGHT
ADRENAL, CORTEX (AC) :
-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL
-HYPERTROPHY, CORTICAL CELL,-MINIMAL
LN, MESENTERIC (MS) :
-HEMORRHAGE,-PRESENT
TESTIS (TE) :
-ATROPHY/DEGENERATION,-MINIMAL
MARROW, FEMUR (FM) :
-X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92559 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/22/99 STUDY DAY OF DEATH: 551 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/22/99 15:34 PROSECTOR: KEVIN BILLINGS RECORDER: KEVIN BILLINGS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, STERNUM (SE) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE
	LUNG (LU) : -MOTTLED; ALL LOBES: DARK RED AND TAN	LUNG (LU) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT -HEMORRHAGE,-PRESENT HEART (HT) : -CARDIOMYOPATHY,-MINIMAL PITUITARY (PI) : -HYPERPLASIA,-MINIMAL
	SKIN (SK) : -MASS(ES); LEFT SACRAL REGION: SINGLE MASS, 25 MM IN DIAMETER; DARK RED, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	SKIN (SK) : -ACANTHOSIS/HYPERKERATOSIS,-SLIGHT -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE -BACTERIAL COLONIES,-PRESENT -SUPERFICIAL CRUSTING,-MODERATELY SEVERE -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL HEMATO NEOPLASIA (HN) : -M-SARCOMA, HISTIOCYTIC,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92559 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/22/99 STUDY DAY OF DEATH: 551 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/22/99 15:34 PROSECTOR: KEVIN BILLINGS RECORDER: KEVIN BILLINGS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : -NEOPLASM, HEMATOPOIETIC,-PRESENT
	LN, OTHER (LN) : -LARGE; HEPATIC: UP TO 10 X 6 X 6 MM (CAP 22)	LN, OTHER (LN) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, MEDULLA (MA), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92560 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/31/99 STUDY DAY OF DEATH: 560 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: 588.2 GRAMS
DATE AND TIME OF NECROPSY: 10/31/99 14:18 PROSECTOR: TROY ELLENBECKER RECORDER: TROY ELLENBECKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: TROY ELLENBECKER

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>MASS(ES); TAIL-PROXIMAL; WEEK 79;
VERIFIED AT NECROPSY: OBSERVED
>RESPIRATION; IRREGULAR; VERIFIED AT
NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT
NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; YELLOW HAIR COAT;
VERIFIED AT NECROPSY: NOT OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

KIDNEY (KD) :
-ROUGH SURFACE, DIFFUSE; BILATERAL

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERPLASIA, BILE DUCT,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-
MODERATELY SEVERE
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
PANCREAS (PA) :
-B-ADENOMA, ISLET CELL,-NEOPLASM
PRESENT
ADRENAL, CORTEX (AC) :
-VACUOLATION, FOCAL,-MINIMAL
MARROW, STERNUM (SE) :
-HYPERPLASIA, MYELOID, MARROW,-MODERATE
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY
COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-
MODERATELY SEVERE
HEART (HT) :
-CARDIOMYOPATHY,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92560 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/31/99 STUDY DAY OF DEATH: 560 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: 588.2 GRAMS
DATE AND TIME OF NECROPSY: 10/31/99 14:18 PROSECTOR: TROY ELLENBECKER RECORDER: TROY ELLENBECKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: TROY ELLENBECKER

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 10 X 4 X 4 MM, RED, DARK RED, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	TAIL (TI) : -RAISED AREA(S); NEAR BASE OF TAIL: SINGLE SOFT AND RAISED AREA, 15 X 10 X 5 MM; COLLECTED	TAIL (TI) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE -CYST, EPIDERMAL INCLUSION,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY RED MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92560 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/31/99 STUDY DAY OF DEATH: 560 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: 588.2 GRAMS
DATE AND TIME OF NECROPSY: 10/31/99 14:18 PROSECTOR: TROY ELLENBECKER RECORDER: TROY ELLENBECKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: TROY ELLENBECKER

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92561 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/29/99 STUDY DAY OF DEATH: 436 STUDY WEEK OF DEATH: 63 TERMINAL BODY WEIGHT: 624.5 GRAMS
DATE AND TIME OF NECROPSY: 06/29/99 14:35 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>BEHAVIOR; RECUMBENT; LATERAL; VERIFIED AT NECROPSY: NOT APPLICABLE
>RESPIRATION; AUDIBLE; VERIFIED AT NECROPSY: NOT APPLICABLE
>RESPIRATION; IRREGULAR; VERIFIED AT NECROPSY: NOT APPLICABLE
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
-HEMORRHAGE,-MINIMAL
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
-ANGIECTASIS,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT
-PIGMENT, TUBULAR,-MINIMAL
-HYALINE DROPLETS, TUBULAR EPITHELIUM,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
PANCREAS (PA) :
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
ADRENAL, CORTEX (AC) :
-VACUOLATION, FOCAL,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92561 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/29/99 STUDY DAY OF DEATH: 436 STUDY WEEK OF DEATH: 63 TERMINAL BODY WEIGHT: 624.5 GRAMS
DATE AND TIME OF NECROPSY: 06/29/99 14:35 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYROID (TY) : -DILATATION / CYST, FOLLICULAR,-PRESENT
	PITUITARY (PI) : -MASS(ES); 8 MM IN DIAMETER, DARK RED, GRAY AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT -ANGIECTASIS,-PRESENT
		RECTUM (RE) : -PARASITISM,-PRESENT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92561 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/29/99 STUDY DAY OF DEATH: 436 STUDY WEEK OF DEATH: 63 TERMINAL BODY WEIGHT: 624.5 GRAMS
DATE AND TIME OF NECROPSY: 06/29/99 14:35 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92562 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 667.7 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 8:48 PROSECTOR: GREGORY CODDINGTON RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0217	.0032 %	.0094	WEIGHT TAKEN
RT ADRENAL (AD1)	.0222	.0033 %	.0096	WEIGHT TAKEN
BRAIN (BR)	2.3159	.3468 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	2.1698	.3250 %	.9369	WEIGHT TAKEN
RT KIDNEY (KD1)	2.1881	.3277 %	.9448	WEIGHT TAKEN
LIVER (LI)	19.3134	2.8925 %	8.3395	WEIGHT TAKEN
LUNG (LU)	1.9553	.2928 %	.8443	WEIGHT TAKEN
SPLEEN (SP)	.9195	.1377 %	.3970	WEIGHT TAKEN
LF TESTIS (TE0)	1.6813	.2518 %	.7260	WEIGHT TAKEN
RT TESTIS (TE1)	1.6647	.2493 %	.7188	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0204	.0031 %	.0088	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0190	.0028 %	.0082	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
-VACUOLATION, HEPATOCELLULAR,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92562 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 667.7 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 8:48 PROSECTOR: GREGORY CODDINGTON RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MINIMAL PANCREAS (PA) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL ADRENAL, CORTEX (AC) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL MARROW, FEMUR (FM) : -HYPOCELLULAR, MARROW,-SLIGHT LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL PITUITARY (PI) : -HYPERPLASIA,-MINIMAL PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92562 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 667.7 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 8:48 PROSECTOR: GREGORY CODDINGTON RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92563 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/24/99 STUDY DAY OF DEATH: 584 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 493.7 GRAMS
DATE AND TIME OF NECROPSY: 11/24/99 8:04 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE >APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT -COMPRESSION, VENTRAL,-PRESENT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE PANCREAS (PA) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL -INFILTRATION, FAT, INTERSTITIAL,-SLIGHT ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MINIMAL BONE, STERNUM (SB) : -HYPERPLASIA, CARTILAGINOUS,-SLIGHT THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE HEART (HT) : -CARDIOMYOPATHY,-MINIMAL PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92563 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/24/99 STUDY DAY OF DEATH: 584 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 493.7 GRAMS
DATE AND TIME OF NECROPSY: 11/24/99 8:04 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 10 X 8 X 7 MM, DARK RED, TAN AND SOFT	
		STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-MODERATE -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	MAMMARY, MALE (MM) : -CYST(S); BILATERAL PECTORAL REGIONS: MULTIPLE TAN AND CREAMY SEMIFLUID FILLED CYSTS, UP TO 4 MM IN DIAMETER (CAP 22)	MAMMARY, MALE (MM) : -GALACTOCELE,-PRESENT -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92563 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/24/99 STUDY DAY OF DEATH: 584 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 493.7 GRAMS
DATE AND TIME OF NECROPSY: 11/24/99 8:04 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92564 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/19/99 STUDY DAY OF DEATH: 487 STUDY WEEK OF DEATH: 70 TERMINAL BODY WEIGHT: 681.9 GRAMS
DATE AND TIME OF NECROPSY: 08/19/99 7:55 PROSECTOR: TONY HANFELD RECORDER: KEVIN BILLINGS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; NONFORMED FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		BRAIN (BR) : -M-ASTROCYTOMA,-NEOPLASM PRESENT
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
>APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED		SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT
		PANCREAS (PA) : -INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE
		HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
		THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -LARGE; 5 X 5 X 2 MM; APPEARS SWOLLEN	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92564 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/19/99 STUDY DAY OF DEATH: 487 STUDY WEEK OF DEATH: 70 TERMINAL BODY WEIGHT: 681.9 GRAMS
DATE AND TIME OF NECROPSY: 08/19/99 7:55 PROSECTOR: TONY HANFELD RECORDER: KEVIN BILLINGS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -RAISED AREA(S); RIGHT POSTERIOR ASPECT: SINGLE TAN AREA, 1 MM IN DIAMETER	
		STOMACH, GL (ST) : -INFLAMMATION, ACUTE,-MINIMAL -HYPERPLASIA, EPITHELIAL, GLANDULAR,-SLIGHT
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA, WITHIN THICKENED AREA: MULTIPLE DARK BROWN ERODED AREAS, UP TO 8 X 2 MM -THICKENED WALL; NEAR ESOPHAGEAL GROOVE: SINGLE AREA, 15 X 9 MM	STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-MODERATE -ULCERATION,-MINIMAL -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE
		CAUSE OF DEATH (CD) : -NEOPLASM, BRAIN,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92564 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/19/99 STUDY DAY OF DEATH: 487 STUDY WEEK OF DEATH: 70 TERMINAL BODY WEIGHT: 681.9 GRAMS
DATE AND TIME OF NECROPSY: 08/19/99 7:55 PROSECTOR: TONY HANFELD RECORDER: KEVIN BILLINGS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92565 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/16/00 STUDY DAY OF DEATH: 637 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/16/00 8:28 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>RESPIRATION; LABORED; VERIFIED AT
NECROPSY: NOT APPLICABLE
>DISCHARGE; NASAL; RED IN COLOR;
VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; LIMITED USE; PAWS-HIND;
VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

HISTOPATHOLOGY

EYE (EY) :
-INFLAMMATION, ACUTE,-SLIGHT
LIVER (LI) :
-VACUOLATION, HEPATOCELLULAR,
PERIPORTAL,-SLIGHT
-HYPERPLASIA, BILE DUCT,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-
MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
PANCREAS (PA) :
-INFILTRATE, MACROPHAGE, PIGMENTED,-
MINIMAL
-B-ADENOMA, ISLET CELL,-NEOPLASM
PRESENT
ADRENAL, CORTEX (AC) :
-HYPERTROPHY, CORTICAL CELL,-MINIMAL
TESTIS (TE) :
-ATROPHY/DEGENERATION,-MINIMAL
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY
COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-
MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92565 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/16/00 STUDY DAY OF DEATH: 637 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/16/00 8:28 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		HEART (HT) : -CARDIOMYOPATHY,-SLIGHT MUSCLE, SKELETAL (SM) : -ATROPHY,-MODERATELY SEVERE NERVE, SCIATIC (SN) : -DEGENERATION,-MINIMAL PITUITARY (PI) : -HYPERPLASIA,-SLIGHT
	STOMACH, GL (ST) : -THICKENED WALL; DIFFUSE	STOMACH, GL (ST) : -HYPERPLASIA, EPITHELIAL, GLANDULAR,-SLIGHT STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-MINIMAL -INFLAMMATION, SUBACUTE,-MINIMAL DUODENUM (DU) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL -EROSION,-MINIMAL ILEUM (IL) : >AUTOLYTIC CECUM (CE) : >AUTOLYTIC URINARY BLADDER (UB) : -PROTEINACEOUS MATERIAL, LUMINAL,-PRESENT EPIDIDYMIDES (EP) : -IMMATURE SPERM FORMS,-MINIMAL CAUSE OF DEATH (CD) : -UNDETERMINED MICROSCOPICALLY,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92565 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/16/00 STUDY DAY OF DEATH: 637 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/16/00 8:28 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -DISCHARGE-OCULAR; BILATERAL: DARK RED AND MOIST -STAINS-PERINEUM/PERIANAL; YELLOW AND MOIST -DISCHARGE-NASAL; DARK RED AND MOIST -ANIMAL OBESE	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92565 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/16/00 STUDY DAY OF DEATH: 637 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/16/00 8:28 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
BRAIN (BR), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), JEJUNUM (JE), COLON (CO), RECTUM (RE), SKIN (SK), PROSTATE (PR), SEMINAL VESICLES (SV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92566 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/21/98 STUDY DAY OF DEATH: 155 STUDY WEEK OF DEATH: 23 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 09/21/98 10:53 PROSECTOR: JAMES T. CALLEN RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-TEETH MISSING/BROKEN/WORN; BILATERAL
UPPER INCISORS: MISSING

HISTOPATHOLOGY

EYE (EY) :
-DYSTROPHY, CORNEAL IN EARLY STAGES, CONSISTS PRIMARILY OF FOCAL MINERALIZATION,-MINIMAL
BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-M-OLIGODENDROGLIOMA,-NEOPLASM PRESENT
LIVER (LI) :
-VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR,-MODERATE
KIDNEY (KD) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-REGENERATION, TUBULAR EPITHELIUM,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
LUNG (LU) :
-CONGESTION,-PRESENT
CAUSE OF DEATH (CD) :
-NEOPLASM, BRAIN,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92566 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/21/98 STUDY DAY OF DEATH: 155 STUDY WEEK OF DEATH: 23 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 09/21/98 10:53 PROSECTOR: JAMES T. CALLEN RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -DISCHARGE-OCULAR; LEFT: DRY RED MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92566 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/21/98 STUDY DAY OF DEATH: 155 STUDY WEEK OF DEATH: 23 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 09/21/98 10:53 PROSECTOR: JAMES T. CALLEN RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92567 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/12/00 STUDY DAY OF DEATH: 633 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/12/00 8:22 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : >UNREMARKABLE
		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL -DEGENERATION, CYSTIC,-MINIMAL
	KIDNEY (KD) : -LARGE PELVIS(ES); BILATERAL	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
		SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE
		PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-SLIGHT
		MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,-SLIGHT
		MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-SLIGHT
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92567 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/12/00 STUDY DAY OF DEATH: 633 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/12/00 8:22 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		HEART (HT) : -CARDIOMYOPATHY,-SLIGHT
	MUSCLE, SKELETAL (SM) : -MASS(ES); LEFT BICEPS FEMORIS: SINGLE MASS, 40 X 20 X 20 MM, DARK RED, TAN, LOBULATED, AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (POPLITEAL) NOT IDENTIFIED	MUSCLE, SKELETAL (SM) : -M-SARCOMA, UNDIFFERENTIATED,-NEOPLASM PRESENT
	NERVE, SCIATIC (SN) : >NOTE:>RIGHT SCIATIC NERVE COLLECTED DUE TO SM MASS ON LEFT	
	THYROID (TY) : -LARGE; RIGHT: 9 X 7 X 7 MM (LEFT IS 8 X 5 X 5 MM)	THYROID (TY) : >UNREMARKABLE
	PITUITARY (PI) : -MASS(ES); 8 X 7 X 5 MM, DARK RED, TAN, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		DUODENUM (DU) : >AUTOLYTIC
		JEJUNUM (JE) : >AUTOLYTIC
		ILEUM (IL) : >AUTOLYTIC
		CECUM (CE) : >AUTOLYTIC
		COLON (CO) : >AUTOLYTIC
		RECTUM (RE) : >AUTOLYTIC

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92567 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/12/00 STUDY DAY OF DEATH: 633 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/12/00 8:22 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
		CAUSE OF DEATH (CD) : -NEOPLASM, SKIN/MUSCLE/SUBCUTIS,- PRESENT
	GENERAL COMMENT (GC) : -ANIMAL OBESE	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92567 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/12/00 STUDY DAY OF DEATH: 633 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/12/00 8:22 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92568 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/20/00 STUDY DAY OF DEATH: 701 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/20/00 13:35 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>WART LIKE LESION(S); DORSAL; WEEK 95; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; SORE/SCAB; DORSAL; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
	KIDNEY (KD) : -CYST(S); RIGHT ON CORTICAL SURFACE: SINGLE CLEAR FLUID FILLED CYST, 1 MM IN DIAMETER -LARGE; BILATERAL: EACH IS 30 X 20 X 12 MM	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SEVERE -DILATATION, PELVIC,-SLIGHT -MINERALIZATION, PELVIC,-MINIMAL
		SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE
	ADRENAL, CORTEX (AC) : -LARGE; LEFT:9 X 6 X 6 MM (RIGHT IS 5 X 4 X 2 MM) -MOTTLED; BILATERAL: RED, DARK RED AND TAN	ADRENAL, CORTEX (AC) : -B-ADENOMA,-NEOPLASM PRESENT
		ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT -M-MALIGNANT PHEOCHROMOCYTOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92568 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/20/00 STUDY DAY OF DEATH: 701 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/20/00 13:35 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		TESTIS (TE) : -ATROPHY/DEGENERATION,-MINIMAL -INFLAMMATION, VASCULAR,-MODERATELY SEVERE
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL
		HEART (HT) : -CARDIOMYOPATHY,-MODERATE
		THYROID (TY) : -DILATATION / CYST, FOLLICULAR,-PRESENT
		PARATHYROID (PT) : -HYPERPLASIA,-SLIGHT
		PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	SKIN (SK) : -CRUSTED AREA(S); DORSAL THORACIC REGION: SINGLE DARK RED, DRY SLIGHTLY RAISED AREA, 10 X 6 X 4 MM (CAP 22)	SKIN (SK) : -M-CARCINOMA, SQUAMOUS CELL,-NEOPLASM PRESENT
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
		EPIDIDYMIDES (EP) : -INFLAMMATION, VASCULAR,-SLIGHT
		CAUSE OF DEATH (CD) : -NEPHROPATHY,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92568 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/20/00 STUDY DAY OF DEATH: 701 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/20/00 13:35 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92569 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 601.2 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 9:59 PROSECTOR: GREGORY CODDINGTON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-LEFT; WEEK 93; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED		EYE (EY) : -DYSTROPHY, CORNEAL IN EARLY STAGES, CONSISTS PRIMARILY OF FOCAL MINERALIZATION,-MINIMAL LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-SLIGHT -HYPERPLASIA, BILE DUCT,-SLIGHT -FIBROSIS, PERIBILIARY,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT PANCREAS (PA) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL -ATROPHY, ACINAR,-MINIMAL -INFILTRATION, FAT, INTERSTITIAL,-MODERATE ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92569 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 601.2 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 9:59 PROSECTOR: GREGORY CODDINGTON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -PIGMENT,-SLIGHT LN, MESENTERIC (MS) : -HEMORRHAGE,-PRESENT THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT HEART (HT) : -CARDIOMYOPATHY,-MINIMAL PITUITARY (PI) : -HYPERPLASIA,-MINIMAL HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	MAMMARY, MALE (MM) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 20 X 15 X 10 MM, RED, TAN, GREY AND FIRM; SAME ON CUT SURFACE; (CAP 22); REGIONAL LN (AXILLARY) NORMAL (CAP 23) -MASS #2; LEFT AXILLARY REGION, CRANIAL TO MM MASS #1: SINGLE MASS, 25 X 15 X 12 MM, TAN, LOBULATED AND FIRM; SAME ON CUT SURFACE; (CAP 24); REGIONAL LN (AXILLARY) NORMAL (CAP 23)	MAMMARY, MALE (MM) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE -M-CARCINOMA,- 2 NEOPLASMS PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92569 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 601.2 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 9:59 PROSECTOR: GREGORY CODDINGTON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	CAVITY, ABDOM (PC) : -MASS(ES); ATTACHED TO ADIPOSE TISSUE, NEAR STOMACH: SINGLE MASS, 20 X 12 X 10 MM, YELLOW, TAN AND FIRM; (CAP 25) REGIONAL LN (PANCREATIC) NOT IDENTIFIED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	CAVITY, ABDOM (PC) : -INFLAMMATION / NECROSIS, FAT,-MODERATELY SEVERE -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92569 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 601.2 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 9:59 PROSECTOR: GREGORY CODDINGTON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
BRAIN (BR), ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92570 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 648.0 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 9:52 PROSECTOR: NANCY DIEDRICH RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0288	.0044 %	.0119	WEIGHT TAKEN
RT ADRENAL (AD1)	.0271	.0042 %	.0112	WEIGHT TAKEN
BRAIN (BR)	2.4190	.3733 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	2.6246	.4050 %	1.0850	WEIGHT TAKEN
RT KIDNEY (KD1)	2.5830	.3986 %	1.0678	WEIGHT TAKEN
LIVER (LI)	17.2061	2.6553 %	7.1129	WEIGHT TAKEN
LUNG (LU)	2.5087	.3871 %	1.0371	WEIGHT TAKEN
SPLEEN (SP)	.9586	.1479 %	.3963	WEIGHT TAKEN
LF TESTIS (TE0)	1.9006	.2933 %	.7857	WEIGHT TAKEN
RT TESTIS (TE1)	1.9018	.2935 %	.7862	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0274	.0042 %	.0113	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0279	.0043 %	.0115	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT
SPLEEN (SP) :
-PIGMENT, INCREASED,-MINIMAL
PANCREAS (PA) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
-ATROPHY, ACINAR,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92570 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 648.0 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 9:52 PROSECTOR: NANCY DIEDRICH RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -INFILTRATE, MACROPHAGE, PIGMENTED,- MINIMAL MARROW, FEMUR (FM) : -HYPOCELLULAR, MARROW,-SLIGHT HEART (HT) : -CARDIOMYOPATHY,-MINIMAL STOMACH, GL (ST) : -INFLAMMATION, ACUTE,-MINIMAL STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-MINIMAL URINARY BLADDER (UB) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92570 SEX: MALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 648.0 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 9:52 PROSECTOR: NANCY DIEDRICH RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92571 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/21/00 STUDY DAY OF DEATH: 702 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: 645.6 GRAMS
DATE AND TIME OF NECROPSY: 03/21/00 12:32 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-SLIGHT
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MODERATE
-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL
-DEGENERATION, CYSTIC,-MINIMAL
-HYPERPLASIA, BILE DUCT,-SLIGHT
-FIBROSIS, PERIBILIARY,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT
-HYPERPLASIA, TRANSITIONAL CELL,-MODERATE
-INFLAMMATION, SUPPURATIVE, PELVIC,-MODERATE
SPLEEN (SP) :
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT
ADRENAL, CORTEX (AC) :
-VACUOLATION, FOCAL,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92571 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/21/00 STUDY DAY OF DEATH: 702 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: 645.6 GRAMS
DATE AND TIME OF NECROPSY: 03/21/00 12:32 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, MEDULLA (MA) : -UNILATERALLY EXAMINED,-PRESENT -HYPERPLASIA, MEDULLARY,-MINIMAL
	TESTIS (TE) : -SMALL; LEFT: 20 X 12 X 3 MM (RIGHT IS 23 X 14 X 8 MM); LEFT IS SOFT	TESTIS (TE) : -ATROPHY/DEGENERATION,-SEVERE >NOTE:>UNILATERAL
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE
		HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
		THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 12 X 10 X 6 MM, RED, DARK RED AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	URINARY BLADDER (UB) : -SEMIFLUID MATERIAL; RED SEMIFLUID -THICKENED WALL; DIFFUSE	URINARY BLADDER (UB) : -HEMORRHAGE,-MINIMAL -HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92571 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/21/00 STUDY DAY OF DEATH: 702 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: 645.6 GRAMS
DATE AND TIME OF NECROPSY: 03/21/00 12:32 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -MALOCCLUSION; BILATERAL, UPPER INCISORS	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92572 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/21/00 STUDY DAY OF DEATH: 702 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/21/00 15:56 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE >APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED		EYE (EY) : -DYSTROPHY, CORNEAL IN EARLY STAGES, CONSISTS PRIMARILY OF FOCAL MINERALIZATION,-MINIMAL BRAIN (BR) : -MINERALIZATION,-MINIMAL LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL
	KIDNEY (KD) : -ROUGH SURFACE, DIFFUSE; BILATERAL -MOTTLED; BILATERAL: RED AND TAN	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SEVERE -MINERALIZATION, PELVIC,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-MODERATE -INFILTRATION, FAT, INTERSTITIAL,-MODERATE ADRENAL, CORTEX (AC) : -VACUOLATION, FOCAL,-MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92572 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/21/00 STUDY DAY OF DEATH: 702 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/21/00 15:56 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

HISTOPATHOLOGY

ADRENAL, MEDULLA (MA) :
-UNILATERALLY EXAMINED,-PRESENT
LN, MESENTERIC (MS) :
-MINERALIZATION, VASCULAR,-MODERATE
TESTIS (TE) :
-ATROPHY/DEGENERATION,-SLIGHT
-INFLAMMATION, VASCULAR,-MODERATE
-HYPERPLASIA, INTERSTITIAL CELL (LEYDIG CELL),-SLIGHT
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT
LUNG (LU) :
-MINERALIZATION, VASCULAR,-MINIMAL
HEART (HT) :
-CARDIOMYOPATHY,-MODERATE
-MINERALIZATION, VASCULAR,-MODERATE
-MINERALIZATION,-MODERATE
PARATHYROID (PT) :
>SECTION EXAMINED; TISSUE NOT PRESENT
PITUITARY (PI) :
-B-ADENOMA,-NEOPLASM PRESENT
STOMACH, GL (ST) :
-MINERALIZATION, GLANDULAR MUCOSA,-SLIGHT
-MINERALIZATION, VASCULAR,-SLIGHT
CECUM (CE) :
>AUTOLYTIC

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92572 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/21/00 STUDY DAY OF DEATH: 702 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/21/00 15:56 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		COLON (CO) : >AUTOLYTIC URINARY BLADDER (UB) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT CAUSE OF DEATH (CD) : -NEPHROPATHY,-PRESENT
	GENERAL COMMENT (GC) : -DISCHARGE-ORAL; BROWN MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92572 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/21/00 STUDY DAY OF DEATH: 702 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/21/00 15:56 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), RECTUM (RE), SKIN (SK), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92573 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/24/99 STUDY DAY OF DEATH: 584 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 530.3 GRAMS
DATE AND TIME OF NECROPSY: 11/24/99 7:41 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MISSING; TEETH; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-VACUOLATION, HEPATOCELLULAR,-SLIGHT
-GLYCOGEN, HEPATOCELLULAR, INCREASED,-MODERATELY SEVERE
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-MODERATE
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
-INFILTRATION, FAT, INTERSTITIAL,-MODERATE
ADRENAL, CORTEX (AC) :
-DEGENERATION, CYSTIC / HEMORRHAGIC,-SLIGHT
TESTIS (TE) :
-ATROPHY/DEGENERATION,-SLIGHT
>NOTE:>UNILATERAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92573 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/24/99 STUDY DAY OF DEATH: 584 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 530.3 GRAMS
DATE AND TIME OF NECROPSY: 11/24/99 7:41 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	THYMUS (TH) : -MISSING/NOT IDENTIFIED; NOT POSITIVELY IDENTIFIED; POSSIBLE REMNANTS COLLECTED	THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SEVERE HEART (HT) : -CARDIOMYOPATHY,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-SLIGHT
	PITUITARY (PI) : -MASS(ES); 9 X 7 X 7 MM, DARK RED, RED, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; RIGHT UPPER INCISOR -TEETH MISSING/BROKEN/WORN; LEFT UPPER INCISOR: MISSING -DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92573 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/24/99 STUDY DAY OF DEATH: 584 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 530.3 GRAMS
DATE AND TIME OF NECROPSY: 11/24/99 7:41 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92574 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 330.1 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 9:13 PROSECTOR: JODI THIEREN RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LF KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	12.0928	3.6630 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN

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

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92574 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 330.1 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 9:13 PROSECTOR: JODI THIEREN RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE),
BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM),
NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI),
HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE),
ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR),
SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN),
LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI),
LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP),
AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT),
DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO),
PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS),
BILE DUCT (BD), TRIGEMINAL NERVE (TG)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92575 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 288.1 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 10:32 PROSECTOR: LYNN HORNER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LF KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	10.4038	3.6115 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN

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

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92575 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 288.1 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 10:32 PROSECTOR: LYNN HORNER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE),
BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM),
NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI),
HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE),
ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR),
SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN),
LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI),
LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP),
AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT),
DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO),
PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS),
BILE DUCT (BD), TRIGEMINAL NERVE (TG)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92576 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/21/00 STUDY DAY OF DEATH: 673 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 792.6 GRAMS
DATE AND TIME OF NECROPSY: 02/21/00 14:34 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); DORSAL; WEEK 73; 30 X 40MM; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; SORE/SCAB; DORSAL; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; LIMITED USE; LIMBS-HIND; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE -MINERALIZATION, PELVIC,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-MODERATE -INFILTRATION, FAT, INTERSTITIAL,-SLIGHT ADRENAL, CORTEX (AC) : -PIGMENT,-SLIGHT ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT BONE, FEMUR (FE) : -HYPERPLASIA, BONE,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92576 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/21/00 STUDY DAY OF DEATH: 673 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 792.6 GRAMS
DATE AND TIME OF NECROPSY: 02/21/00 14:34 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE
	HEART (HT) : -LIGHT FOCUS(I)/AREA(S); EPICARDIUM OF BOTH VENTRICLES: MULTIPLE TAN, INDISTINCT AREAS	HEART (HT) : -CARDIOMYOPATHY,-SLIGHT
		THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 8 X 5 X 5 MM, RED, DARK RED, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	SKIN (SK) : -CRUSTED AREA(S); DORSAL THORACIC REGION: SINGLE BLACK CRUSTED AREA, 30 X 20 MM; COLLECTED; POSSIBLY CONSISTENT WITH MASS NOTED IN CLINICAL OBSERVATIONS	SKIN (SK) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE -ULCERATION,-SLIGHT -B-KERATOACANTHOMA,-NEOPLASM PRESENT
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92576 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/21/00 STUDY DAY OF DEATH: 673 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 792.6 GRAMS
DATE AND TIME OF NECROPSY: 02/21/00 14:34 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LN, MESENTERIC (MS), TESTIS (TE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92577 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 895.6 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 9:52 PROSECTOR: JOHN S. HALFORD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); DORSAL; WEEK 69; 30 X 30MM; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; SORE/SCAB; DORSAL; VERIFIED AT NECROPSY: OBSERVED >MASS(ES); AXILLARY REGION-LEFT; WEEK 101; 30 X 40MM; VERIFIED AT NECROPSY: OBSERVED >MASS(ES); HEAD-MAXILLARY-LEFT; WEEK 105; VERIFIED AT NECROPSY: OBSERVED	SKIN (SK) : -MASS(ES); ATTACHED TO LOWER LEFT LIP: SINGLE MASS, 15 X 13 X 8 MM, RED, DARK RED, GRAY, AND SOFT; ON SECTION EXUDES A DARK BROWN GELATINOUS FLUID (CAP 22); REGIONAL LN (MANDIBULAR) NORMAL (CAP 23)	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATELY SEVERE -CYST,-PRESENT PANCREAS (PA) : -ATROPHY, ACINAR,-MINIMAL -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT TESTIS (TE) : -INFLAMMATION, VASCULAR,-SLIGHT THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT SKIN (SK) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE -B-KERATOACANTHOMA,-NEOPLASM PRESENT -B-FIBROMA,-NEOPLASM PRESENT -FIBROSIS,-MODERATE >NOTE:>MASS #2 IS THE KERATOACANTHOMA THE FIBROMA WAS DESCRIBED GROSSLY UNDER MAMMARY, MALE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92577 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 895.6 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 9:52 PROSECTOR: JOHN S. HALFORD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	SKIN (SK) : -MASS #2; RIGHT LUMBAR REGION: SINGLE MASS, 32 X 20 X 19 MM, RED, GRAY, TAN, CAULIFLOWER-LIKE, AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (INGUINAL) NORMAL (CAP 26); OVERLYING SKIN HAS A SINGLE DRY, TAN CRUSTED AREA, 10 X 10 X 5 MM; COLLECTED INTACT WITH MASS	
		URINARY BLADDER (UB) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE
	MAMMARY, MALE (MM) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 53 X 45 X 18 MM, RED, GRAY, TAN, AND SOFT; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (AXILLARY) NORMAL (CAP 24) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -ANIMAL OBESE	MAMMARY, MALE (MM) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL >NOTE:>SEE SKIN FOR DIAGNOSIS OF MASS THIS MASS IS THE FIBROMA

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92577 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 895.6 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 9:52 PROSECTOR: JOHN S. HALFORD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PARATHYROID (PT), LN, INGUINAL (IN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92578 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/08/99 STUDY DAY OF DEATH: 598 STUDY WEEK OF DEATH: 86 TERMINAL BODY WEIGHT: 707.7 GRAMS
DATE AND TIME OF NECROPSY: 12/08/99 12:52 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE
>EYES; RED DISCHARGE; EYE-LEFT; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)
LIVER (LI) :
-LIGHT FOCUS(I)/AREA(S); RIGHT MEDIAN LOBE, AT JUNCTION OF LEFT MEDIAN LOBE: SINGLE TAN AREA, 4 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION
-RED FOCUS(I)/AREA(S); LEFT LATERAL LOBE: MULTIPLE DARK RED AREAS, UP TO 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT
-DEGENERATION, CYSTIC,-MINIMAL

KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MINIMAL
PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-MODERATE
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
-INFILTRATION, FAT, INTERSTITIAL,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92578 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/08/99 STUDY DAY OF DEATH: 598 STUDY WEEK OF DEATH: 86 TERMINAL BODY WEIGHT: 707.7 GRAMS
DATE AND TIME OF NECROPSY: 12/08/99 12:52 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -PIGMENT,-MINIMAL TESTIS (TE) : -ATROPHY/DEGENERATION,-SLIGHT >NOTE:>UNILATERAL THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 12 X 6 X 5 MM, DARK RED, TAN, SOFT AND LOBULATED	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; LEFT: DRY DARK RED MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92578 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/08/99 STUDY DAY OF DEATH: 598 STUDY WEEK OF DEATH: 86 TERMINAL BODY WEIGHT: 707.7 GRAMS
DATE AND TIME OF NECROPSY: 12/08/99 12:52 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92579 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/12/99 STUDY DAY OF DEATH: 602 STUDY WEEK OF DEATH: 86 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/12/99 14:18 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>SKIN & PELAGE; PALE; ENTIRE BODY;
VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; THIN; VERIFIED AT
NECROPSY: OBSERVED
>MASS(ES); VENTRAL-ABDOMINAL; WEEK 86;
VERIFIED AT NECROPSY: NOT OBSERVED
>BEHAVIOR; COLD TO TOUCH; ENTIRE BODY;
VERIFIED AT NECROPSY: NOT APPLICABLE
>EXCRETION; FEW FECES; VERIFIED AT
NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT
NECROPSY: NOT APPLICABLE
>RESPIRATION; LABORED; VERIFIED AT
NECROPSY: NOT APPLICABLE

NECROPSY

LIVER (LI) :
-LIGHT FOCUS(I)/AREA(S); DIAPHRAGMATIC
SURFACE OF LEFT LATERAL LOBE, NEAR
MARGIN: SINGLE TAN AREA, 5 X 4 MM;
COLLECTED ON ROUTINE SECTION
-DIFFUSELY LIGHT; ALL LOBES: TAN
KIDNEY (KD) :
-ROUGH SURFACE, DIFFUSE; BILATERAL
-DIFFUSELY LIGHT; BILATERAL: TAN

HISTOPATHOLOGY

LIVER (LI) :
-VACUOLATION, HEPATOCELLULAR,
PERIPORTAL,-MODERATE
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR /
EOSINOPHILIC CELL,-MINIMAL
-DEGENERATION, CYSTIC,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-
SEVERE
SPLEEN (SP) :
-HEMATOPOIESIS, EXTRAMEDULLARY,
INCREASED,-MINIMAL
PANCREAS (PA) :
-INFLAMMATION, VASCULAR,-MODERATE
ADRENAL, CORTEX (AC) :
-PIGMENT,-MINIMAL
ADRENAL, MEDULLA (MA) :
-HYPERPLASIA, MEDULLARY,-MINIMAL
-B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT
LN, MESENTERIC (MS) :
-MINERALIZATION, VASCULAR,-SLIGHT
TESTIS (TE) :
-INFLAMMATION, VASCULAR,-MINIMAL
BONE, FEMUR (FE) :
-OSTEODYSTROPHY, FIBROUS,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92579 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/12/99 STUDY DAY OF DEATH: 602 STUDY WEEK OF DEATH: 86 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/12/99 14:18 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, FEMUR (FM) : -HYPERPLASIA, ERYTHROID, MARROW,-SLIGHT MARROW, STERNUM (SE) : -HYPERPLASIA, ERYTHROID, MARROW,-SLIGHT BONE, STERNUM (SB) : -OSTEODYSTROPHY, FIBROUS,-MINIMAL THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE
	HEART (HT) : -DIFFUSELY LIGHT; TAN	HEART (HT) : -CARDIOMYOPATHY,-MODERATE -MINERALIZATION, VASCULAR,-MODERATE -MINERALIZATION,-MODERATE THYROID (TY) : -DILATATION / CYST, FOLLICULAR,-PRESENT
	PARATHYROID (PT) : -LARGE; BILATERAL: EACH IS 2 MM IN DIAMETER	PARATHYROID (PT) : -HYPERPLASIA,-SEVERE
		PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -THICKENED WALL; DIFFUSE	STOMACH, GL (ST) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT -HYPERPLASIA, EPITHELIAL, GLANDULAR,-MODERATE -MINERALIZATION, GLANDULAR MUCOSA,-MODERATE
	CECUM (CE) : -DIFFUSELY RED; MUCOSA	CECUM (CE) : -EROSION,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92579 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/12/99 STUDY DAY OF DEATH: 602 STUDY WEEK OF DEATH: 86 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/12/99 14:18 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	CECUM (CE) : -THICKENED WALL; DIFFUSE	CECUM (CE) : -HEMORRHAGE,-MINIMAL -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE
	SKIN (SK) : -ABRASION(S)/ULCERATION(S); MID VENTRAL ABDOMINAL REGION: SINGLE MOIST TAN ULCERATED AREA, 5 MM IN DIAMETER (CAP 22)	SKIN (SK) : -ACANTHOSIS/HYPERKERATOSIS,-SLIGHT -INFLAMMATION, CHRONIC-ACTIVE,-SEVERE -ULCERATION,-MODERATE -FIBROSIS,-MODERATELY SEVERE PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE SEMINAL VESICLES (SV) : -ATROPHY,-MODERATE CAUSE OF DEATH (CD) : -NEPHROPATHY,-PRESENT
	LN, RENAL (RL) : -DIFFUSELY RED; RIGHT: DARK RED (CAP 23) GENERAL COMMENT (GC) : -ANIMAL THIN	LN, RENAL (RL) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT -HEMORRHAGE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92579 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/12/99 STUDY DAY OF DEATH: 602 STUDY WEEK OF DEATH: 86 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/12/99 14:18 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92580 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/20/99 STUDY DAY OF DEATH: 549 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 503.8 GRAMS
DATE AND TIME OF NECROPSY: 10/20/99 11:30 PROSECTOR: JARED FISHEL RECORDER: KEVIN BILLINGS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>EXCRETION; NONFORMED FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE
>EYES; RED DISCHARGE; EYE-LEFT; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MODERATELY SEVERE
-NECROSIS, COAGULATIVE,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-MODERATE
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
ADRENAL, CORTEX (AC) :
-PIGMENT,-MINIMAL
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT
HEART (HT) :
-CARDIOMYOPATHY,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92580 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/20/99 STUDY DAY OF DEATH: 549 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 503.8 GRAMS
DATE AND TIME OF NECROPSY: 10/20/99 11:30 PROSECTOR: JARED FISHEL RECORDER: KEVIN BILLINGS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 12 MM IN DIAMETER, DARK RED, TAN AND SOFT STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN AREAS, UP TO 2 X 1 MM PROSTATE (PR) : -SMALL; 15 X 10 X 5 MM SEMINAL VESICLES (SV) : -SMALL; BILATERAL: EACH IS 13 X 5 X 2 MM GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; LEFT: DRY AND RED MATERIAL	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT STOMACH, GL (ST) : >UNREMARKABLE PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE SEMINAL VESICLES (SV) : -SECRETION, DECREASED,-PRESENT CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92580 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/20/99 STUDY DAY OF DEATH: 549 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 503.8 GRAMS
DATE AND TIME OF NECROPSY: 10/20/99 11:30 PROSECTOR: JARED FISHEL RECORDER: KEVIN BILLINGS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92581 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/17/00 STUDY DAY OF DEATH: 729 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 363.3 GRAMS
DATE AND TIME OF NECROPSY: 04/17/00 15:34 PROSECTOR: JODI THIEREN RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); LIMB-HIND-RIGHT; WEEK 93; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	>UNREMARKABLE
>WART LIKE LESION(S); DORSAL; WEEK 95; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) :
		-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		-DEGENERATION, CYSTIC,-MINIMAL
		-NECROSIS, COAGULATIVE,-SLIGHT
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: NOT OBSERVED		-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
		-KARYOMEGALY,-MINIMAL
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	KIDNEY (KD) :	KIDNEY (KD) :
	-ROUGH SURFACE, DIFFUSE; BILATERAL	-NEPHROPATHY, CHRONIC PROGRESSIVE,-SEVERE
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE		SPLEEN (SP) :
		-PIGMENT, INCREASED,-MODERATE
		-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MINIMAL
		ADRENAL, CORTEX (AC) :
		-VACUOLATION, FOCAL,-SLIGHT
		-PIGMENT,-MINIMAL
		TESTIS (TE) :
		-ATROPHY/DEGENERATION,-SLIGHT
		-INFLAMMATION, VASCULAR,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92581 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/17/00 STUDY DAY OF DEATH: 729 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 363.3 GRAMS
DATE AND TIME OF NECROPSY: 04/17/00 15:34 PROSECTOR: JODI THIEREN RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, FEMUR (FM) : -HYPOCELLULAR, MARROW,-MODERATELY SEVERE MARROW, STERNUM (SE) : -HYPOCELLULAR, MARROW,-MODERATE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-MINIMAL MUSCLE, SKELETAL (SM) : -ATROPHY,-MODERATE NERVE, SCIATIC (SN) : -DEGENERATION,-SLIGHT
	PITUITARY (PI) : -MASS(ES); 10 X 6 X 6 MM, DARK RED, TAN AND FIRM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN AREAS, UP TO 2 X 1 MM	STOMACH, GL (ST) : >UNREMARKABLE
		STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-MODERATE -ULCERATION,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92581 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/17/00 STUDY DAY OF DEATH: 729 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 363.3 GRAMS
DATE AND TIME OF NECROPSY: 04/17/00 15:34 PROSECTOR: JODI THIEREN RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: MULTIPLE TAN ERODED AREAS, UP TO 3 MM IN DIAMETER	STOMACH, NONGL (SU) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
	SKIN (SK) : -CRUSTED AREA(S); RIGHT LATERAL THORACIC REGION: SINGLE TAN AND DRY AREA, 8 X 5 MM (CAP 24); POSSIBLY CONSISTENT WITH WART-LIKE LESION (DORSAL) AS NOTED IN CLINICAL OBSERVATIONS -MASS(ES); RIGHT THIGH: SINGLE MASS, 17 X 12 X 8 MM, TAN AND FIRM; SAME ON CUT SURFACE (CAP 22); REGIONAL LN (POPLITEAL) NOT IDENTIFIED; OVERLYING SKIN HAS TWO TAN AND DRY ABRADED AREAS, BOTH ARE 3 MM IN DIAMETER; COLLECTED INTACT WITH MASS -MASS #2; RIGHT FLANK: SINGLE MASS, 10 MM IN DIAMETER, TAN AND FIRM; SAME ON CUT SURFACE (CAP 23); REGIONAL LN (INGUINAL) NOT IDENTIFIED	SKIN (SK) : -CYST, EPIDERMAL INCLUSION,-PRESENT -B-PAPILLOMA, SQUAMOUS CELL,-NEOPLASM PRESENT >NOTE:>PAPILLOMA IS ON SLIDE #24 BOTH MASSES ARE INCLUSION CYSTS
	PROSTATE (PR) : -NODULAR; SURROUNDING URETHRA: BROWN AND FIRM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE
	SEMINAL VESICLES (SV) : -SMALL; BILATERAL: EACH IS 13 X 6 X 2 MM	SEMINAL VESICLES (SV) : -ATROPHY,-SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92581 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/17/00 STUDY DAY OF DEATH: 729 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 363.3 GRAMS
DATE AND TIME OF NECROPSY: 04/17/00 15:34 PROSECTOR: JODI THIEREN RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-NEOPLASM, PITUITARY,-PRESENT

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-ANIMAL THIN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92582 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/21/00 STUDY DAY OF DEATH: 702 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: 569.5 GRAMS
DATE AND TIME OF NECROPSY: 03/21/00 13:11 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>MASS(ES); SHOULDER-LEFT; WEEK 98; 60 X 40MM; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; SORE/SCAB; SHOULDER-LEFT; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; LIMITED USE; LIMB-FRONT-LEFT; VERIFIED AT NECROPSY: NOT OBSERVED
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

LIVER (LI) :
-LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN, FIRM AREAS, UP TO 9 X 5 MM; COLLECTED ON ROUTINE SECTIONS; EXTRA SECTIONS (CAP 22)

HISTOPATHOLOGY

LIVER (LI) :
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
-DEGENERATION, CYSTIC,-SLIGHT
-X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-HYALINE DROPLETS, TUBULAR EPITHELIUM,-MODERATELY SEVERE
SPLEEN (SP) :
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE
ADRENAL, CORTEX (AC) :
-VACUOLATION, DIFFUSE,-MODERATE
-PIGMENT,-MINIMAL
MARROW, FEMUR (FM) :
-HYPERPLASIA, MYELOID, MARROW,-SLIGHT
-HYPERPLASIA, MEGAKARYOCYTIC, MARROW,-MODERATE
MARROW, STERNUM (SE) :
-HYPERPLASIA, MEGAKARYOCYTIC, MARROW,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92582 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/21/00 STUDY DAY OF DEATH: 702 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: 569.5 GRAMS
DATE AND TIME OF NECROPSY: 03/21/00 13:11 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
	LUNG (LU) : -LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN, FIRM AREAS, UP TO 4 X 2 MM	LUNG (LU) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
		HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
		ESOPHAGUS (ES) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
		THYROID (TY) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
		PITUITARY (PI) : -HYPERPLASIA,-MINIMAL
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: MULTIPLE TAN ERODED AREAS, UP TO 4 MM IN DIAMETER	STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-MODERATE -ULCERATION,-MODERATE -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
		SKIN (SK) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92582 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/21/00 STUDY DAY OF DEATH: 702 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: 569.5 GRAMS
DATE AND TIME OF NECROPSY: 03/21/00 13:11 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		HEMATO NEOPLASIA (HN) : -M-SARCOMA, HISTIOCYTIC,-NEOPLASM PRESENT CAUSE OF DEATH (CD) : -NEOPLASM, HEMATOPOIETIC,-PRESENT
	MAMMARY, MALE (MM) : -MASS(ES); LEFT AXILLARY REGION EXTENDS TO LEFT SHOULDER REGION: SINGLE MASS, 45 X 25 X 15 MM, RED, TAN AND FIRM; SAME ON CUT SURFACE; OVERLYING SKIN HAS A BROWN, RED, DRY CRUSTED AREA, 30 X 25 MM; COLLECTED; REGIONAL LN (AXILLARY) NOT IDENTIFIED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	MAMMARY, MALE (MM) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL >NOTE:>SEE SKIN FOR DIAGNOSIS OF MASS

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92582 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/21/00 STUDY DAY OF DEATH: 702 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: 569.5 GRAMS
DATE AND TIME OF NECROPSY: 03/21/00 13:11 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92583 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 577.6 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 10:40 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); DORSAL; WEEK 74; 15 X 15MM; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) :	LIVER (LI) :
	-LIGHT FOCUS(I)/AREA(S); DIAPHRAGMATIC SURFACE OF RIGHT MEDIAN LOBE: SINGLE TAN AREA, 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION	-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MODERATE
		-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL
		-NECROSIS, COAGULATIVE,-MINIMAL
		-HYPERPLASIA, BILE DUCT,-SLIGHT
		-B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT
>SKIN & PELAGE; SORE/SCAB; DORSAL; VERIFIED AT NECROPSY: OBSERVED	KIDNEY (KD) :	KIDNEY (KD) :
	-ROUGH SURFACE, DIFFUSE; BILATERAL	-NEPHROPATHY, CHRONIC PROGRESSIVE,-SEVERE
	-LARGE; BILATERAL: EACH IS 30 X 20 X 12 MM	
	-DIFFUSELY LIGHT; BILATERAL: TAN	
		PANCREAS (PA) :
		-ZYMOGEN GRANULES, DECREASED,-MODERATE
	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
	-LARGE; LEFT: 8 X 6 X 6 MM (RIGHT IS 5 X 4 X 3 MM)	-CORTICAL TISSUE, EXTRACAPSULAR,-PRESENT
		ADRENAL, MEDULLA (MA) :
		-B-PHEOCHROMOCYTOMA,- 2 NEOPLASMS PRESENT
		TESTIS (TE) :
		-ATROPHY/DEGENERATION,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92583 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 577.6 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 10:40 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		TESTIS (TE) : -INFLAMMATION, VASCULAR,-SEVERE
	PITUITARY (PI) : -MASS(ES); 5 X 5 X 3 MM, DARK RED, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -THICKENED WALL; DIFFUSE	STOMACH, GL (ST) : >UNREMARKABLE
	SKIN (SK) : -MASS(ES); MID DORSAL LUMBAR REGION: SINGLE MASS, 15 X 15 X 10 MM, TAN AND FIRM; SAME ON CUT SURFACE; OVERLYING SKIN HAS A SINGLE BROWN ULCERATED AREA, 7 MM IN DIAMETER; COLLECTED INTACT WITH MASS; REGIONAL LN (AXILLARY) NORMAL (CAP 25)	SKIN (SK) : -M-CARCINOMA, SQUAMOUS CELL,-NEOPLASM PRESENT
		URINARY BLADDER (UB) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
		LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATELY SEVERE
	LN, RENAL (RL) : -LARGE; LEFT: 10 X 6 X 3 MM (RIGHT IS 5 X 4 X 3 MM) -DIFFUSELY RED; BILATERAL: DARK RED (CAP 23)	LN, RENAL (RL) : -HEMORRHAGE,-PRESENT
		MAMMARY, MALE (MM) : -GALACTOCELE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92583 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 577.6 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 10:40 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, MALE (MM) : -CYST(S); BILATERAL, PECTORAL REGIONS: MULTIPLE TAN CREAMY FLUID FILLED CYSTS, UP TO 15 X 12 X 5 MM (CAP 22) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, MANDIBULAR (MN), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), THYROID (TY), PARATHYROID (PT)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92584 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/11/99 STUDY DAY OF DEATH: 418 STUDY WEEK OF DEATH: 60 TERMINAL BODY WEIGHT: 401.8 GRAMS
DATE AND TIME OF NECROPSY: 06/11/99 13:56 PROSECTOR: MICHELE MARGGI RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>EXCRETION; FEW FECES; VERIFIED AT
NECROPSY: NOT APPLICABLE
>APPEARANCE; THIN; VERIFIED AT
NECROPSY: OBSERVED
>BEHAVIOR; HYPOACTIVE; VERIFIED AT
NECROPSY: NOT APPLICABLE

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-
MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
-HEMATOPOIESIS, EXTRAMEDULLARY,
INCREASED,-MINIMAL
PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-SLIGHT
ADRENAL, CORTEX (AC) :
-PIGMENT,-MINIMAL
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY
COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-
MODERATELY SEVERE
PITUITARY (PI) :
-B-ADENOMA,-NEOPLASM PRESENT
STOMACH, NONGL (SU) :
-ACANTHOSIS / HYPERKERATOSIS,-MODERATE
-ULCERATION,-MINIMAL
-INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
PROSTATE (PR) :
-INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92584 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/11/99 STUDY DAY OF DEATH: 418 STUDY WEEK OF DEATH: 60 TERMINAL BODY WEIGHT: 401.8 GRAMS
DATE AND TIME OF NECROPSY: 06/11/99 13:56 PROSECTOR: MICHELE MARGGI RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-ANIMAL THIN
-STAINS-PERINEUM/PERIANAL; YELLOW MOIST MATERIAL

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-NEOPLASM, PITUITARY,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92584 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/11/99 STUDY DAY OF DEATH: 418 STUDY WEEK OF DEATH: 60 TERMINAL BODY WEIGHT: 401.8 GRAMS
DATE AND TIME OF NECROPSY: 06/11/99 13:56 PROSECTOR: MICHELE MARGGI RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92585 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/12/99 STUDY DAY OF DEATH: 268 STUDY WEEK OF DEATH: 39 TERMINAL BODY WEIGHT: 470.1 GRAMS
DATE AND TIME OF NECROPSY: 01/12/98 15:02 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: NOT OBSERVED		LIVER (LI) :
>APPEARANCE; MISSING; TEETH; VERIFIED AT NECROPSY: OBSERVED		-CONGESTION,-PRESENT
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE		-X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
>MASS(ES); VENTRAL-CERVICAL; WEEK 37; 30 X 20MM; VERIFIED AT NECROPSY: OBSERVED	SPLEEN (SP) :	KIDNEY (KD) :
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 37; 20 X 20MM; VERIFIED AT NECROPSY: OBSERVED	-LARGE; 50 X 15 X 10 MM	-REGENERATION, TUBULAR EPITHELIUM,-MINIMAL
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	LN, MESENTERIC (MS) :	SPLEEN (SP) :
>MASS(ES); AXILLARY REGION-LEFT; WEEK 39; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED	-LARGE; UP TO 10 X 10 X 8 MM	-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE
		-X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
		LN, MESENTERIC (MS) :
		-X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
		MARROW, FEMUR (FM) :
		-X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
		MARROW, STERNUM (SE) :
		-X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
		THYMUS (TH) :
		-X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92585 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/12/99 STUDY DAY OF DEATH: 268 STUDY WEEK OF DEATH: 39 TERMINAL BODY WEIGHT: 470.1 GRAMS
DATE AND TIME OF NECROPSY: 01/12/98 15:02 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	THYMUS (TH) : -MASS(ES); INVOLVING ENTIRE ORGAN: SINGLE MASS, 35 X 35 X 25 MM, DARK RED, TAN, AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (SEE MEDIASTINAL)	
		LUNG (LU) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
		HEART (HT) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
		SALIV GL, MANDIB (SG) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
		ILEUM (IL) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
	SEMINAL VESICLES (SV) : -SMALL; BILATERAL: EACH IS 14 X 9 X 1 MM	SEMINAL VESICLES (SV) : -SECRETION, DECREASED,-PRESENT
		HEMATO NEOPLASIA (HN) : -M-LYMPHOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -NEOPLASM, HEMATOPOIETIC,-PRESENT
	LN, MEDIASTINAL (ML) : -LARGE; UP TO 20 X 20 X 15 MM (CAP 23)	LN, MEDIASTINAL (ML) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92585 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/12/99 STUDY DAY OF DEATH: 268 STUDY WEEK OF DEATH: 39 TERMINAL BODY WEIGHT: 470.1 GRAMS
DATE AND TIME OF NECROPSY: 01/12/98 15:02 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, AXILLARY (AX) : -LARGE; BILATERAL: EACH IS UP TO 40 X 22 X 15 MM (CAP 22); POSSIBLY CONSISTENT WITH MASSES (LEFT AND RIGHT AXILLARY REGIONS) AS NOTED IN CLINICAL OBSERVATIONS	LN, AXILLARY (AX) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
	LN, INGUINAL (IN) : -LARGE; BILATERAL: EACH IS 11 X 8 X 6 MM (CAP 24)	LN, INGUINAL (IN) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
	LN, OTHER (LN) : -LARGE; HEPATIC: UP TO 25 X 15 X 15 MM (CAP 25)	LN, OTHER (LN) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
	LN, RENAL (RL) : -LARGE; BILATERAL: EACH IS 25 X 17 X 15 MM (CAP 26)	LN, RENAL (RL) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
	LN, MANDIBULAR (MN) : -LARGE; BILATERAL: EACH IS UP TO 25 X 15 X 12 MM; COLLECTED; POSSIBLY CONSISTENT WITH MASS (VENTRAL CERVICAL) NOTED IN CLINICAL OBSERVATIONS	LN, MANDIBULAR (MN) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -TEETH MISSING/BROKEN/WORN; MISSING, BILATERAL UPPER INCISORS -DISCHARGE-OCULAR; LEFT: DARK RED AND DRY -FLUID-THORACIC CAVITY; CONTAINS A LARGE AMOUNT OF RED FLUID	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92585 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/12/99 STUDY DAY OF DEATH: 268 STUDY WEEK OF DEATH: 39 TERMINAL BODY WEIGHT: 470.1 GRAMS
DATE AND TIME OF NECROPSY: 01/12/98 15:02 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92586 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/07/99 STUDY DAY OF DEATH: 506 STUDY WEEK OF DEATH: 73 TERMINAL BODY WEIGHT: 518.1 GRAMS
DATE AND TIME OF NECROPSY: 09/07/99 14:10 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE >APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED >SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) PITUITARY (PI) : -MASS(ES); 9 X 8 X 8 MM, DARK RED, RED, TAN AND SOFT STOMACH, GL (ST) : -RED FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK RED AREAS, UP TO 2 X 1 MM	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MODERATE KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT -MINERALIZATION, PELVIC,-MINIMAL -PIGMENT, TUBULAR,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE ADRENAL, CORTEX (AC) : -PIGMENT,-MINIMAL THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SEVERE PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT STOMACH, GL (ST) : >UNREMARKABLE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92586 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/07/99 STUDY DAY OF DEATH: 506 STUDY WEEK OF DEATH: 73 TERMINAL BODY WEIGHT: 518.1 GRAMS
DATE AND TIME OF NECROPSY: 09/07/99 14:10 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, GL (ST) : -THICKENED WALL; DIFFUSE	
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: MULTIPLE TAN ERODED AREAS, UP TO 2 MM IN DIAMETER -THICKENED WALL; DIFFUSE	STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-MODERATELY SEVERE -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
	PROSTATE (PR) : -NODULAR; PROXIMAL, SURROUNDING URETHRA: GREEN AND FIRM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
	SEMINAL VESICLES (SV) : -THICKENED; BILATERAL: RED, GRAY AND FIRM	SEMINAL VESICLES (SV) : -HYPERPLASIA, EPITHELIAL,-SLIGHT -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92586 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/07/99 STUDY DAY OF DEATH: 506 STUDY WEEK OF DEATH: 73 TERMINAL BODY WEIGHT: 518.1 GRAMS
DATE AND TIME OF NECROPSY: 09/07/99 14:10 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92587 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/20/99 STUDY DAY OF DEATH: 610 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: 480.5 GRAMS
DATE AND TIME OF NECROPSY: 12/20/99 11:13 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED >EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE >SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: NOT OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT LIVER (LI) : -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT -DEGENERATION, CYSTIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
	KIDNEY (KD) : -LARGE PELVIS(ES); BILATERAL -ROUGH SURFACE, DIFFUSE; BILATERAL	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SEVERE SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-MODERATE -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL ADRENAL, CORTEX (AC) : -VACUOLATION, FOCAL,-SLIGHT -PIGMENT,-MINIMAL ADRENAL, MEDULLA (MA) : -HYPERPLASIA, MEDULLARY,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92587 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/20/99 STUDY DAY OF DEATH: 610 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: 480.5 GRAMS
DATE AND TIME OF NECROPSY: 12/20/99 11:13 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-MODERATE
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SEVERE
		THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 13 X 10 X 10 MM, RED, DARK RED, GRAY, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE BROWN AREAS, UP TO 2 MM IN DIAMETER	STOMACH, GL (ST) : >UNREMARKABLE
		URINARY BLADDER (UB) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SEVERE
		SEMINAL VESICLES (SV) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	MAMMARY, MALE (MM) : -CYST(S); BILATERAL PECTORAL REGIONS: MULTIPLE TAN AND CREAMY SEMIFLUID FILLED CYSTS, UP TO 3 MM IN DIAMETER (CAP 22)	MAMMARY, MALE (MM) : -GALACTOCELE,-PRESENT -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92587 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/20/99 STUDY DAY OF DEATH: 610 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: 480.5 GRAMS
DATE AND TIME OF NECROPSY: 12/20/99 11:13 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN -DISCHARGE-ORAL; RED AND MOIST	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92588 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/03/00 STUDY DAY OF DEATH: 715 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 424.8 GRAMS
DATE AND TIME OF NECROPSY: 04/03/00 15:26 PROSECTOR: NANCY DIEDRICH RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; MISSING; TEETH; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL
-HYPERPLASIA, BILE DUCT,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-MINERALIZATION, PELVIC,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
PANCREAS (PA) :
-INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT
-ATROPHY, ACINAR,-MINIMAL
-B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT
ADRENAL, CORTEX (AC) :
-VACUOLATION, FOCAL,-MINIMAL
-PIGMENT,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92588 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/03/00 STUDY DAY OF DEATH: 715 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 424.8 GRAMS
DATE AND TIME OF NECROPSY: 04/03/00 15:26 PROSECTOR: NANCY DIEDRICH RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		TESTIS (TE) : -HYPERPLASIA, INTERSTITIAL CELL (LEYDIG CELL),-MINIMAL MARROW, FEMUR (FM) : -HYPOCELLULAR, MARROW,-SEVERE MARROW, STERNUM (SE) : -HYPOCELLULAR, MARROW,-SLIGHT THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE HEART (HT) : -CARDIOMYOPATHY,-MINIMAL MUSCLE, SKELETAL (SM) : -ATROPHY,-MINIMAL NERVE, SCIATIC (SN) : -DEGENERATION,-MINIMAL PARATHYROID (PT) : >SECTION EXAMINED; TISSUE NOT PRESENT
	PITUITARY (PI) : -MASS(ES); 10 MM IN DIAMETER, RED, DARK RED AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
	PROSTATE (PR) : -LARGE; 35 X 20 X 10 MM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
	SEMINAL VESICLES (SV) : -LARGE; BILATERAL: EACH IS 40 X 20 X 5 MM	SEMINAL VESICLES (SV) : -SECRETION, INCREASED,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92588 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/03/00 STUDY DAY OF DEATH: 715 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 424.8 GRAMS
DATE AND TIME OF NECROPSY: 04/03/00 15:26 PROSECTOR: NANCY DIEDRICH RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		EPIDIDYMIDES (EP) : -VACUOLATION, TUBULAR EPITHELIUM,- MODERATE
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	MAMMARY, MALE (MM) : -THICKENED; BILATERAL, AXILLARY REGIONS: TAN AND FIRM (CAP 22)	MAMMARY, MALE (MM) : -GALACTOCELE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; RIGHT UPPER INCISOR -TEETH MISSING/BROKEN/WORN; LEFT UPPER INCISOR: MISSING	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92588 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/03/00 STUDY DAY OF DEATH: 715 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 424.8 GRAMS
DATE AND TIME OF NECROPSY: 04/03/00 15:26 PROSECTOR: NANCY DIEDRICH RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92589 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/13/00 STUDY DAY OF DEATH: 694 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: 394.9 GRAMS
DATE AND TIME OF NECROPSY: 03/13/00 13:21 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED >EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED >EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE >BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE >BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -DEGENERATION, CYSTIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATELY SEVERE PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-MODERATELY SEVERE
	ADRENAL, CORTEX (AC) : -CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 2 MM IN DIAMETER	ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT -PIGMENT,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92589 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/13/00 STUDY DAY OF DEATH: 694 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: 394.9 GRAMS
DATE AND TIME OF NECROPSY: 03/13/00 13:21 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, MEDULLA (MA) : -HYPERPLASIA, MEDULLARY,-MINIMAL THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE HEART (HT) : -CARDIOMYOPATHY,-MINIMAL MUSCLE, SKELETAL (SM) : -ATROPHY,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 15 X 10 X 7 MM, DARK RED, TAN AND SOFT PROSTATE (PR) : -NODULAR; PROXIMAL, SURROUNDING URETHRA: GREEN GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92589 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/13/00 STUDY DAY OF DEATH: 694 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: 394.9 GRAMS
DATE AND TIME OF NECROPSY: 03/13/00 13:21 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92590 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 834.8 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 12:55 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -DEGENERATION, CYSTIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-SLIGHT
	ADRENAL, CORTEX (AC) : -LARGE; BILATERAL: EACH IS 8 X 6 X 5 MM TESTIS (TE) : -RED/YELLOW FOCUS(I)/AREA(S); LEFT, BENEATH TUNICA: DIFFUSE -LARGE; LEFT: 40 X 22 X 17 MM (RIGHT IS 22 X 14 X 12 MM) PITUITARY (PI) : -RED FOCUS(I)/AREA(S); DIFFUSE: MULTIPLE DARK RED AREAS, UP TO 2 X 1 MM	ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATELY SEVERE TESTIS (TE) : -MINERALIZATION, VASCULAR,-MINIMAL -B-INTERSTITIAL CELL TUMOR,-NEOPLASM PRESENT PITUITARY (PI) : -HYPERPLASIA,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92590 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 834.8 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 12:55 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, GL (ST) : -THICKENED WALL; MUCOSA: DIFFUSE	STOMACH, GL (ST) : -EDEMA,-MODERATELY SEVERE -INFLAMMATION, ACUTE,-MINIMAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
ADRENAL, MEDULLA (MA), LUNG (LU), THYROID (TY), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92591 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 02/18/00 STUDY DAY OF DEATH: 670 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 02/18/00 7:16 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); INGUINAL REGION-LEFT; WEEK 87; VERIFIED AT NECROPSY: OBSERVED >MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 95; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -LARGE; ALL LOBES: MARGINS APPEAR ROUNDED TESTIS (TE) : -CONTAINS FLUID; LEFT: CLEAR FLUID	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-SLIGHT ADRENAL, CORTEX (AC) : -VACUOLATION, FOCAL,-MINIMAL -HYPERTROPHY, CORTICAL CELL,-MINIMAL TESTIS (TE) : -ATROPHY/DEGENERATION,-MODERATELY SEVERE PITUITARY (PI) : -HYPERPLASIA,-MINIMAL JEJUNUM (JE) : >AUTOLYTIC ILEUM (IL) : >AUTOLYTIC CECUM (CE) : >AUTOLYTIC

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92591 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 02/18/00 STUDY DAY OF DEATH: 670 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 02/18/00 7:16 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		COLON (CO) : >AUTOLYTIC SKIN (SK) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL -CYST, EPIDERMAL INCLUSION,-PRESENT PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,- MODERATELY SEVERE CAUSE OF DEATH (CD) : -INFLAMMATION / INFECTION,-PRESENT
	MAMMARY, MALE (MM) : -CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE TAN CREAMY SEMIFLUID FILLED CYSTS, UP TO 16 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION; POSSIBLY CONSISTENT WITH MASSES NOTED IN CLINICAL OBSERVATIONS GENERAL COMMENT (GC) : -DISCHARGE-ORAL; YELLOW AND DRY	MAMMARY, MALE (MM) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL >NOTE:>SEE SKIN FOR DIAGNOSIS

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92591 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 02/18/00 STUDY DAY OF DEATH: 670 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 02/18/00 7:16 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92592 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/20/99 STUDY DAY OF DEATH: 610 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: 913.0 GRAMS
DATE AND TIME OF NECROPSY: 12/20/99 15:02 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; LIMITED USE; LIMBS-HIND; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR,-MINIMAL -HYPERPLASIA, BILE DUCT,-SLIGHT -FIBROSIS, PERIBILIARY,-MINIMAL SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT PANCREAS (PA) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL -INFILTRATION, FAT, INTERSTITIAL,-SLIGHT ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-MINIMAL -DEGENERATION, CYSTIC / HEMORRHAGIC,-MINIMAL -PIGMENT,-MINIMAL SPINAL CORD (SC) : -NECROSIS / HEMORRHAGE, WHITE MATTER,-MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92592 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/20/99 STUDY DAY OF DEATH: 610 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: 913.0 GRAMS
DATE AND TIME OF NECROPSY: 12/20/99 15:02 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE HEART (HT) : -CARDIOMYOPATHY,-SLIGHT PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT CAUSE OF DEATH (CD) : -DEGENERATION/NECROSIS/HEMORRHAGE, SPINAL CORD/BRAIN,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL OBESE	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92592 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/20/99 STUDY DAY OF DEATH: 610 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: 913.0 GRAMS
DATE AND TIME OF NECROPSY: 12/20/99 15:02 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92593 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 479.8 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 9:38 PROSECTOR: TROY ELLENBECKER RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0279	.0058 %	.0121	WEIGHT TAKEN
RT ADRENAL (AD1)	.0154	.0032 %	.0067	WEIGHT TAKEN
BRAIN (BR)	2.3137	.4822 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	2.0761	.4327 %	.8973	WEIGHT TAKEN
RT KIDNEY (KD1)	1.9731	.4112 %	.8528	WEIGHT TAKEN
LIVER (LI)	15.4451	3.2191 %	6.6755	WEIGHT TAKEN
LUNG (LU)	1.6009	.3337 %	.6919	WEIGHT TAKEN
SPLEEN (SP)	.7002	.1459 %	.3026	WEIGHT TAKEN
LF TESTIS (TE0)	1.6486	.3436 %	.7125	WEIGHT TAKEN
RT TESTIS (TE1)	1.6414	.3421 %	.7094	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0144	.0030 %	.0062	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0110	.0023 %	.0048	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-VACUOLATION, HEPATOCELLULAR,
PERIPORTAL,-MINIMAL
KIDNEY (KD) :
-DILATATION, PELVIC,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MINIMAL
PANCREAS (PA) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92593 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 479.8 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 9:38 PROSECTOR: TROY ELLENBECKER RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: DARK RED (CAP 21) GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN	LN, MANDIBULAR (MN) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92594 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 02/15/00 STUDY DAY OF DEATH: 667 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 02/15/00 13:15 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -LARGE; ALL LOBES: MARGINS APPEAR ROUNDED	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-SLIGHT ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-MINIMAL -HYPERPLASIA, CORTICAL,-MINIMAL THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE PITUITARY (PI) : -HYPERPLASIA,-SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92594 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 02/15/00 STUDY DAY OF DEATH: 667 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 02/15/00 13:15 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -RAISED AREA(S); LEFT ASPECT: SINGLE TAN, SLIGHTLY RAISED FOCUS, 2 MM IN DIAMETER	
		ILEUM (IL) : >AUTOLYTIC
		CECUM (CE) : >AUTOLYTIC
		URINARY BLADDER (UB) : >AUTOLYTIC
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
		CAUSE OF DEATH (CD) : -UNDETERMINED MICROSCOPICALLY,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92594 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 02/15/00 STUDY DAY OF DEATH: 667 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 02/15/00 13:15 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), COLON (CO), RECTUM (RE), SKIN (SK), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92595 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/23/99 STUDY DAY OF DEATH: 583 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 486.7 GRAMS
DATE AND TIME OF NECROPSY: 11/23/99 14:40 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>SKIN & PELAGE; SORE/SCAB; DORSAL-THORACIC; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); DORSAL; WEEK 73; 25 X 30MM; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED

NECROPSY

BRAIN (BR) :
-MASS(ES); WITHIN CEREBRUM: SINGLE MASS, 12 X 8 X 8 MM, TAN AND SOFT; COLLECTED INTACT

PANCREAS (PA) :
-MASS(ES); WITHIN PANCREAS: SINGLE MASS, 10 X 10 X 8 MM, DARK RED, TAN AND FIRM; SAME ON CUT SURFACE (CAP 22); REGIONAL LN (SEE PANCREATIC)

HISTOPATHOLOGY

BRAIN (BR) :
-M-GRANULAR CELL TUMOR,-NEOPLASM PRESENT

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
-HYPERPLASIA, BILE DUCT,-SLIGHT
-FIBROSIS, PERIBILIARY,-MINIMAL

KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL

PANCREAS (PA) :
-ATROPHY, ACINAR,-SLIGHT
-M-CARCINOMA, ISLET CELL,-NEOPLASM PRESENT

ADRENAL, CORTEX (AC) :
-HYPERTROPHY, CORTICAL CELL,-MODERATE
-VACUOLATION, DIFFUSE,-MINIMAL
-DEGENERATION, CYSTIC / HEMORRHAGIC,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92595 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/23/99 STUDY DAY OF DEATH: 583 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 486.7 GRAMS
DATE AND TIME OF NECROPSY: 11/23/99 14:40 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,-MODERATELY SEVERE MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-MODERATELY SEVERE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT HEART (HT) : -CARDIOMYOPATHY,-MINIMAL THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	SKIN (SK) : -MASS(ES); MID DORSAL THORACIC REGION: SINGLE MASS, 30 X 30 X 12 MM, DARK RED, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED; OVERLYING SKIN HAS A SINGLE DARK RED AND TAN MOIST ULCERATED AREA, 20 MM IN DIAMETER; COLLECTED INTACT WITH MASS; REGIONAL LN (AXILLARY) NORMAL (CAP 24)	SKIN (SK) : -B-ADENOMA, BASAL CELL/SQUAMOUS/SEBACEOUS,-NEOPLASM PRESENT
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL
	SEMINAL VESICLES (SV) : -SMALL; BILATERAL: EACH IS 12 X 7 X 2 MM	SEMINAL VESICLES (SV) : -ATROPHY,-SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92595 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/23/99 STUDY DAY OF DEATH: 583 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 486.7 GRAMS
DATE AND TIME OF NECROPSY: 11/23/99 14:40 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		EPIDIDYMIDES (EP) : -VACUOLATION, TUBULAR EPITHELIUM,-MODERATE CAUSE OF DEATH (CD) : -NEOPLASM, BRAIN,-PRESENT LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE
	LN, ANT MES/PANC (AP) : -MOTTLED; PANCREATIC: RED AND TAN (CAP 23) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY	LN, ANT MES/PANC (AP) : -HEMORRHAGE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92595 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/23/99 STUDY DAY OF DEATH: 583 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 486.7 GRAMS
DATE AND TIME OF NECROPSY: 11/23/99 14:40 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92596 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/23/99 STUDY DAY OF DEATH: 491 STUDY WEEK OF DEATH: 71 TERMINAL BODY WEIGHT: 473.4 GRAMS
DATE AND TIME OF NECROPSY: 08/23/99 10:58 PROSECTOR: TONY HANFELD RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; BROWN HAIR COAT; SCROTUM; VERIFIED AT NECROPSY: NOT OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT
-GLYCOGEN, HEPATOCELLULAR, INCREASED,-MODERATELY SEVERE
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-MODERATELY SEVERE
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
ADRENAL, CORTEX (AC) :
-PIGMENT,-MINIMAL
LUNG (LU) :
-MINERALIZATION, VASCULAR,-MINIMAL
THYROID (TY) :
-HYPERPLASIA, C-CELL,-MINIMAL
PITUITARY (PI) :
-B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92596 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/23/99 STUDY DAY OF DEATH: 491 STUDY WEEK OF DEATH: 71 TERMINAL BODY WEIGHT: 473.4 GRAMS
DATE AND TIME OF NECROPSY: 08/23/99 10:58 PROSECTOR: TONY HANFELD RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 9 X 6 X 5 MM, RED, DARK RED, TAN AND SOFT	
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92596 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/23/99 STUDY DAY OF DEATH: 491 STUDY WEEK OF DEATH: 71 TERMINAL BODY WEIGHT: 473.4 GRAMS
DATE AND TIME OF NECROPSY: 08/23/99 10:58 PROSECTOR: TONY HANFELD RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92597 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 670.6 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 13:17 PROSECTOR: GREGORY CODDINGTON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; SWOLLEN; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -INFLAMMATION, CHRONIC-ACTIVE, PELVIC,-SLIGHT PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-MINIMAL
	TESTIS (TE) : -LARGE; RIGHT: 25 X 17 X 10 MM (LEFT IS 20 X 13 X 9 MM); BOTH ARE SOFT	TESTIS (TE) : -ATROPHY/DEGENERATION,-SEVERE
		URINARY BLADDER (UB) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	FOOT/FOOTPAD (FP) : -ABRASION(S)/ULCERATION(S); LEFT HINDFOOT: SINGLE DARK RED, MOIST ABRADED AREA, 8 MM IN DIAMETER; SURROUNDING TISSUE APPEARS SWOLLEN; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	FOOT/FOOTPAD (FP) : -INFLAMMATION, CHRONIC-ACTIVE,-SEVERE -ULCERATION,-MODERATE -ACANTHOSIS / HYPERKERATOSIS,-MODERATE -BACTERIA,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92597 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 670.6 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 13:17 PROSECTOR: GREGORY CODDINGTON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), THYROID (TY), PARATHYROID (PT)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92598 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 749.5 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 11:40 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT -DEGENERATION, CYSTIC,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATELY SEVERE -CYST,-PRESENT LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); LEFT ANTERIOR ASPECT: SINGLE DARK RED AREA, 2 MM IN DIAMETER	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -THICKENED WALL; DIFFUSE	STOMACH, GL (ST) : -HYPERPLASIA, EPITHELIAL, GLANDULAR,-SLIGHT URINARY BLADDER (UB) : -PROTEINACEOUS MATERIAL, LUMINAL,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92598 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 749.5 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 11:40 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), TESTIS (TE), PARATHYROID (PT)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92599 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 05/09/99 STUDY DAY OF DEATH: 385 STUDY WEEK OF DEATH: 55 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 05/09/99 8:39 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -DIFFUSELY DARK; ALL LOBES: BROWN -LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN, SLIGHTLY INDISTINCT AREAS, UP TO 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS TESTIS (TE) : -CONTAINS FLUID; LEFT: CLEAR FLUID; LEFT IS ALSO SOFT	LIVER (LI) : -NECROSIS, COAGULATIVE,-SLIGHT -INFLAMMATION, SUBACUTE,-SLIGHT SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT ADRENAL, CORTEX (AC) : -PIGMENT,-MINIMAL TESTIS (TE) : -ATROPHY/DEGENERATION,-SEVERE >NOTE:>UNILATERAL THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE HEART (HT) : -CARDIOMYOPATHY,-SLIGHT -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL PITUITARY (PI) : -HYPERPLASIA,-SLIGHT URINARY BLADDER (UB) : >UNREMARKABLE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92599 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 05/09/99 STUDY DAY OF DEATH: 385 STUDY WEEK OF DEATH: 55 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 05/09/99 8:39 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	URINARY BLADDER (UB) : -SEMIFLUID MATERIAL; DARK BROWN SEMIFLUID	
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL
		CAUSE OF DEATH (CD) : -UNDETERMINED MICROSCOPICALLY,-PRESENT
	GENERAL COMMENT (GC) : -ANIMAL OBESE	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92599 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 05/09/99 STUDY DAY OF DEATH: 385 STUDY WEEK OF DEATH: 55 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 05/09/99 8:39 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92600 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 471.8 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 13:28 PROSECTOR: TROY ELLENBECKER RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0349	.0074 %	.0156	WEIGHT TAKEN
RT ADRENAL (AD1)	.0286	.0061 %	.0128	WEIGHT TAKEN
BRAIN (BR)	2.2319	.4731 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.7574	.3725 %	.7874	WEIGHT TAKEN
RT KIDNEY (KD1)	1.7944	.3803 %	.8040	WEIGHT TAKEN
LIVER (LI)	15.0729	3.1948 %	6.7534	WEIGHT TAKEN
LUNG (LU)	1.7674	.3746 %	.7919	WEIGHT TAKEN
SPLEEN (SP)	.7466	.1582 %	.3345	WEIGHT TAKEN
LF TESTIS (TE0)	1.6879	.3578 %	.7563	WEIGHT TAKEN
RT TESTIS (TE1)	1.6725	.3545 %	.7494	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0093	.0020 %	.0042	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0112	.0024 %	.0050	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

LN, MANDIBULAR (MN) :
-DIFFUSELY RED; BILATERAL (CAP 21)
GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
KIDNEY (KD) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT
LN, MANDIBULAR (MN) :
>NOT REQUIRED TO BE EXAMINED FOR ANIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92600 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 471.8 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 13:28 PROSECTOR: TROY ELLENBECKER RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92601 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 827.4 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 11:11 PROSECTOR: TERRI L. WILLIAMS RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>WART LIKE LESION(S); DORSAL; WEEK 104; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-SLIGHT LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT PARATHYROID (PT) : -HYPERPLASIA,-MODERATE
	PITUITARY (PI) : -LIGHT FOCUS(I)/AREA(S); LEFT ANTERIOR ASPECT: SINGLE TAN AREA, 1 MM IN DIAMETER	PITUITARY (PI) : -HYPERPLASIA,-MODERATE
	STOMACH, GL (ST) : -THICKENED WALL; DIFFUSE	STOMACH, GL (ST) : -HYPERPLASIA, EPITHELIAL, GLANDULAR,-MODERATE SKIN (SK) : -B-KERATOACANTHOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92601 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 827.4 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 11:11 PROSECTOR: TERRI L. WILLIAMS RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	SKIN (SK) : -CRUSTED AREA(S); RIGHT DORSAL SHOULDER REGION: SINGLE TAN, SLIGHTLY RAISED, CRUSTED AREA, 8 MM IN DIAMETER (CAP 22)	
	PROSTATE (PR) : -NODULAR; PROXIMAL SURROUNDING URETHRA: GREEN AND FIRM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92601 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 827.4 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 11:11 PROSECTOR: TERRI L. WILLIAMS RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92602 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 637.6 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 9:52 PROSECTOR: TERRI L. WILLIAMS RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL -FIBROSIS, PERIBILIARY,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-SLIGHT
	TESTIS (TE) : -SMALL; RIGHT: 20 X 13 X 3 MM (LEFT IS 22 X 16 X 9 MM) -CONTAINS FLUID; LEFT BENEATH TUNICA: CLEAR FLUID	TESTIS (TE) : -ATROPHY/DEGENERATION,-SEVERE
		THYROID (TY) : -HYPERPLASIA, C-CELL,-MODERATE CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92602 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 637.6 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 9:52 PROSECTOR: TERRI L. WILLIAMS RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92603 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/24/98 STUDY DAY OF DEATH: 127 STUDY WEEK OF DEATH: 19 TERMINAL BODY WEIGHT: 521.4 GRAMS
DATE AND TIME OF NECROPSY: 08/24/98 10:16 PROSECTOR: JOHN S. HALFORD RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JOHN S. HALFORD

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; PARALYSIS; LIMBS-HIND; VERIFIED AT NECROPSY: NOT APPLICABLE >BEHAVIOR; COLD TO TOUCH; LIMBS-HIND; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) : -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT -VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR,-MINIMAL -HEMATOPOIESIS, EXTRAMEDULLARY,-SLIGHT KIDNEY (KD) : -REGENERATION, TUBULAR EPITHELIUM,-MINIMAL -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-MINIMAL -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATELY SEVERE MARROW, FEMUR (FM) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT MARROW, STERNUM (SE) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
	SPINAL CORD (SC) : -FRACTURE(S); BETWEEN L3 AND L5: SINGLE INDISTINCT FRACTURE; COLLECTED	SPINAL CORD (SC) : >UNREMARKABLE >NOTE:>SEE VERTEBRA

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92603 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/24/98 STUDY DAY OF DEATH: 127 STUDY WEEK OF DEATH: 19 TERMINAL BODY WEIGHT: 521.4 GRAMS
DATE AND TIME OF NECROPSY: 08/24/98 10:16 PROSECTOR: JOHN S. HALFORD RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JOHN S. HALFORD

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LUNG (LU) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT RECTUM (RE) : -PARASITISM,-PRESENT HEMATO NEOPLASIA (HN) : -M-LYMPHOMA,-NEOPLASM PRESENT CAUSE OF DEATH (CD) : -NEOPLASM, HEMATOPOIETIC,-PRESENT VERTEBRA/MARROW (VT) : -X-HEMATOPOIETIC NEOPLASIA (SEE HN),-NEOPLASM PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92603 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/24/98 STUDY DAY OF DEATH: 127 STUDY WEEK OF DEATH: 19 TERMINAL BODY WEIGHT: 521.4 GRAMS
DATE AND TIME OF NECROPSY: 08/24/98 10:16 PROSECTOR: JOHN S. HALFORD RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JOHN S. HALFORD

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), BONE, STERNUM (SB), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92604 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/10/00 STUDY DAY OF DEATH: 631 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: 405.0 GRAMS
DATE AND TIME OF NECROPSY: 01/10/00 14:41 PROSECTOR: JAMES T. CALLEN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE >SKIN & PELAGE; BROWN HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED >EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) ADRENAL, CORTEX (AC) : -LARGE; LEFT: 8 MM IN DIAMETER (RIGHT IS 4 X 3 X 3 MM)	BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -INFLAMMATION, SUPPURATIVE, PELVIC,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-MINIMAL PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-SLIGHT ADRENAL, CORTEX (AC) : >UNREMARKABLE ADRENAL, MEDULLA (MA) : -M-MALIGNANT PHEOCHROMOCYTOMA,-NEOPLASM PRESENT MARROW, FEMUR (FM) : -HYPOCELLULAR, MARROW,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92604 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/10/00 STUDY DAY OF DEATH: 631 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: 405.0 GRAMS
DATE AND TIME OF NECROPSY: 01/10/00 14:41 PROSECTOR: JAMES T. CALLEN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 15 X 10 X 8 MM, DARK RED, RED, LOBULATED AND FIRM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL
	SEMINAL VESICLES (SV) : -LARGE; BILATERAL: EACH IS 34 X 17 X 8 MM	SEMINAL VESICLES (SV) : -SECRETION, INCREASED,-PRESENT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN -STAINS-PERINEUM/PERIANAL; DRY BROWN MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92604 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/10/00 STUDY DAY OF DEATH: 631 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: 405.0 GRAMS
DATE AND TIME OF NECROPSY: 01/10/00 14:41 PROSECTOR: JAMES T. CALLEN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92605 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/11/00 STUDY DAY OF DEATH: 723 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/11/00 14:14 PROSECTOR: JARED FISHEL RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 87; 40 X 50MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -DEGENERATION, CYSTIC,-MODERATE -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL -HYPERPLASIA, BILE DUCT,-SLIGHT -FIBROSIS, PERIBILIARY,-SLIGHT
>MASS(ES); DORSAL; WEEK 79; VERIFIED AT NECROPSY: OBSERVED		
>SKIN & PELAGE; SORE/SCAB; VENTRAL-ABDOMINAL-RIGHT; VERIFIED AT NECROPSY: NOT OBSERVED		
>SKIN & PELAGE; SORE/SCAB; DORSAL; VERIFIED AT NECROPSY: NOT OBSERVED	KIDNEY (KD) : -ROUGH SURFACE, DIFFUSE; BILATERAL	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SEVERE
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: OBSERVED		SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATELY SEVERE
>RESPIRATION; AUDIBLE; VERIFIED AT NECROPSY: NOT APPLICABLE		
>BEHAVIOR; COLD TO TOUCH; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE	ADRENAL, CORTEX (AC) : -LARGE; LEFT: 9 MM IN DIAMETER (RIGHT IS 7 X 4 X 3 MM)	ADRENAL, CORTEX (AC) : -VACUOLATION, FOCAL,-SLIGHT
		ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,- 2 NEOPLASMS PRESENT
		LN, MESENTERIC (MS) : -MINERALIZATION, VASCULAR,-MODERATELY SEVERE
		TESTIS (TE) : -MINERALIZATION, VASCULAR,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92605 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/11/00 STUDY DAY OF DEATH: 723 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/11/00 14:14 PROSECTOR: JARED FISHEL RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		BONE, FEMUR (FE) : -OSTEODYSTROPHY, FIBROUS,-MODERATE BONE, STERNUM (SB) : -OSTEODYSTROPHY, FIBROUS,-MINIMAL THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE
	LUNG (LU) : -UNCOLLAPSED; ALL LOBES	LUNG (LU) : -MINERALIZATION, VASCULAR,-MODERATE -INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT -MINERALIZATION, SEPTAL,-SLIGHT HEART (HT) : -CARDIOMYOPATHY,-MODERATE -MINERALIZATION, VASCULAR,-MODERATELY SEVERE -MINERALIZATION,-MODERATE NERVE, SCIATIC (SN) : >TISSUE MISSING THYROID (TY) : -B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT PARATHYROID (PT) : -HYPERPLASIA,-MODERATELY SEVERE PITUITARY (PI) : -HYPERPLASIA,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92605 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/11/00 STUDY DAY OF DEATH: 723 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/11/00 14:14 PROSECTOR: JARED FISHEL RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		STOMACH, GL (ST) : -HYPERPLASIA, EPITHELIAL, GLANDULAR,-MODERATE -MINERALIZATION, GLANDULAR MUCOSA,-MODERATE JEJUNUM (JE) : >AUTOLYTIC CECUM (CE) : >AUTOLYTIC
	SKIN (SK) : -MASS(ES); RIGHT DORSAL LUMBAR REGION: SINGLE MASS, 15 MM IN DIAMETER, TAN, FIRM AND FRIABLE; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	SKIN (SK) : -B-KERATOACANTHOMA,-NEOPLASM PRESENT -B-LIPOMA,-NEOPLASM PRESENT >NOTE:>LIPOMA IS MASS DESCRIBED UNDER MAMMARY, MALE
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE CAUSE OF DEATH (CD) : -NEPHROPATHY,-PRESENT
	MAMMARY, MALE (MM) : -MASS(ES); RIGHT ABDOMINAL REGION: SINGLE MASS, 45 X 35 X 25 MM, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED GENERAL COMMENT (GC) : -DISCHARGE-OCULAR; BILATERAL: DRY RED MATERIAL -DISCHARGE-NASAL; BILATERAL, COVERING ENTIRE HEAD: DRY RED MATERIAL	MAMMARY, MALE (MM) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL >NOTE:>SEE SKIN FOR DIAGNOSIS

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92605 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/11/00 STUDY DAY OF DEATH: 723 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/11/00 14:14 PROSECTOR: JARED FISHEL RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -TRACHEA-CONTENT FOAMY MATTER; WHITE FOAMY MATERIAL	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), MARROW, FEMUR (FM), MARROW, STERNUM (SE), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), TRACHEA (TR), ESOPHAGUS (ES), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), ILEUM (IL), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92606 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/13/99 STUDY DAY OF DEATH: 542 STUDY WEEK OF DEATH: 78 TERMINAL BODY WEIGHT: 669.7 GRAMS
DATE AND TIME OF NECROPSY: 10/13/99 9:51 PROSECTOR: STEVE VAN ADESTINE RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>MASS(ES); SHOULDER-RIGHT; WEEK 66; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED
>WART LIKE LESION(S); NOSE; WEEK 75; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; LIMITED USE; LIMBS-HIND; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; RECUMBENT; STERNAL; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

PANCREAS (PA) :
-MASS(ES); WITHIN MID PANCREAS: SINGLE MASS, 10 X 7 X 5 MM, RED, DARK RED, TAN, GRAY, FIRM, AND LOBULATED; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (PANCREATIC) NOT IDENTIFIED

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT
-HYPERPLASIA, BILE DUCT,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT
PANCREAS (PA) :
-M-CARCINOMA, ISLET CELL,-NEOPLASM PRESENT
ADRENAL, CORTEX (AC) :
-PIGMENT,-MINIMAL
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE
HEART (HT) :
-CARDIOMYOPATHY,-MINIMAL
MUSCLE, SKELETAL (SM) :
-ATROPHY,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92606 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/13/99 STUDY DAY OF DEATH: 542 STUDY WEEK OF DEATH: 78 TERMINAL BODY WEIGHT: 669.7 GRAMS
DATE AND TIME OF NECROPSY: 10/13/99 9:51 PROSECTOR: STEVE VAN ADESTINE RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN AREAS, UP TO 3 X 2 MM	STOMACH, GL (ST) : >UNREMARKABLE
	SKIN (SK) : -CRUSTED AREA(S); TIP OF SNOUT: SINGLE DARK RED, DRY, SLIGHTLY RAISED CRUSTED AREA, 2 X 1 MM (CAP 24); CONSISTENT WITH WART-LIKE LESION (NOSE) AS NOTED IN CLINICAL OBSERVATIONS -MASS(ES); RIGHT SHOULDER REGION: SINGLE MASS, 20 X 18 X 6 MM, TAN AND FIRM; ON SECTION EXUDES TAN, CASEOUS SEMISOLID; COLLECTED INTACT; REGIONAL LN (SEE AXILLARY)	SKIN (SK) : -ACANTHOSIS/HYPERKERATOSIS,-MODERATE -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE -CYST, EPIDERMAL INCLUSION,-PRESENT
		PROSTATE (PR) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		CAUSE OF DEATH (CD) : -NEOPLASM, PANCREAS,-PRESENT
	LN, AXILLARY (AX) : -MOTTLED; BILATERAL: BROWN AND TAN (CAP 23)	LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE -INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -STAINS-PERINEUM/PERIANAL; PERINEUM: YELLOW AND MOIST	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92606 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/13/99 STUDY DAY OF DEATH: 542 STUDY WEEK OF DEATH: 78 TERMINAL BODY WEIGHT: 669.7 GRAMS
DATE AND TIME OF NECROPSY: 10/13/99 9:51 PROSECTOR: STEVE VAN ADESTINE RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92607 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/10/00 STUDY DAY OF DEATH: 631 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: 423.8 GRAMS
DATE AND TIME OF NECROPSY: 01/10/00 14:30 PROSECTOR: WENDY CHERRY RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) :	LIVER (LI) :
	-MOTTLED; ALL LOBES: BROWN AND TAN	-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MODERATE
		-GLYCOGEN, HEPATOCELLULAR, INCREASED,-MODERATE
	KIDNEY (KD) :	KIDNEY (KD) :
	-LARGE PELVIS(ES); BILATERAL	-NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATELY SEVERE
	-ROUGH SURFACE, DIFFUSE; BILATERAL	-DILATATION, PELVIC,-MODERATE
		SPLEEN (SP) :
		-PIGMENT, INCREASED,-SLIGHT
		PANCREAS (PA) :
		-ZYMOGEN GRANULES, DECREASED,-SEVERE
		ADRENAL, CORTEX (AC) :
		-VACUOLATION, FOCAL,-MODERATE
		-PIGMENT,-MINIMAL
		TESTIS (TE) :
		-INFLAMMATION, VASCULAR,-MODERATELY SEVERE
		THYMUS (TH) :
		-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92607 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/10/00 STUDY DAY OF DEATH: 631 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: 423.8 GRAMS
DATE AND TIME OF NECROPSY: 01/10/00 14:30 PROSECTOR: WENDY CHERRY RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		HEART (HT) : -CARDIOMYOPATHY,-MODERATE
	PITUITARY (PI) : -MASS(ES); 15 X 12 X 12 MM, DARK RED, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-SLIGHT
		STOMACH, GL (ST) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: MULTIPLE TAN ERODED AREAS, UP TO 10 X 5 MM	STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-MODERATE -ULCERATION,-SLIGHT -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE
	PROSTATE (PR) : -NODULAR; DIFFUSE: GREEN AND FIRM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL
		EPIDIDYMIDES (EP) : -IMMATURE SPERM FORMS,-MINIMAL
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
		MAMMARY, MALE (MM) : -GALACTOCELE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92607 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/10/00 STUDY DAY OF DEATH: 631 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: 423.8 GRAMS
DATE AND TIME OF NECROPSY: 01/10/00 14:30 PROSECTOR: WENDY CHERRY RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92608 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/19/99 STUDY DAY OF DEATH: 548 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 386.6 GRAMS
DATE AND TIME OF NECROPSY: 10/19/99 14:16 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
>UNREMARKABLE
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT
-MINERALIZATION, PELVIC,-SLIGHT
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-MODERATE
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
ADRENAL, CORTEX (AC) :
-VACUOLATION, FOCAL,-SLIGHT
-PIGMENT,-SLIGHT
ADRENAL, MEDULLA (MA) :
-B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT
THYMUS (TH) :
>SECTION EXAMINED; TISSUE NOT PRESENT
HEART (HT) :
-CARDIOMYOPATHY,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92608 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/19/99 STUDY DAY OF DEATH: 548 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 386.6 GRAMS
DATE AND TIME OF NECROPSY: 10/19/99 14:16 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 9 MM IN DIAMETER, DARK RED, TAN, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
	SEMINAL VESICLES (SV) : -SMALL; RIGHT: 20 X 10 X 3 MM (LEFT IS 34 X 18 X 5 MM) -GELATINOUS; RIGHT: CLEAR AND SOFT	SEMINAL VESICLES (SV) : -SECRETION, INCREASED,-PRESENT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL LOWER INCISORS -DISCHARGE-OCULAR; LEFT: DRY RED MATERIAL -ANIMAL THIN -STAINS-PERINEUM/PERIANAL; BROWN AND YELLOW MOIST MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92608 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/19/99 STUDY DAY OF DEATH: 548 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 386.6 GRAMS
DATE AND TIME OF NECROPSY: 10/19/99 14:16 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92609 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/12/00 STUDY DAY OF DEATH: 724 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: 675.2 GRAMS
DATE AND TIME OF NECROPSY: 04/12/00 14:00 PROSECTOR: JARED FISHEL RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>WART LIKE LESION(S); HEAD-MAXILLARY-
LEFT; WEEK 98; CORNER OF LEFT EYE;
VERIFIED AT NECROPSY: NOT OBSERVED
>MASS(ES); DORSAL; WEEK 102; 10 X 10MM;
VERIFIED AT NECROPSY: OBSERVED
>EYES; CLEAR DISCHARGE; EYE-LEFT;
VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; LIMITED USE; LIMBS-HIND;
VERIFIED AT NECROPSY: NOT APPLICABLE
>RESPIRATION; LABORED; VERIFIED AT
NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT
NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-DEPRESSED AREA(S); LEFT FRONTAL
CORTEX: DUE TO MASS

HISTOPATHOLOGY

EYE (EY) :
-INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL
BRAIN (BR) :
-M-MENINGEAL SARCOMA,-NEOPLASM PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR /
EOSINOPHILIC CELL,-MINIMAL
-HYPERPLASIA, BILE DUCT,-SLIGHT
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-
MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
PANCREAS (PA) :
-INFILTRATION, FAT, INTERSTITIAL,-
SLIGHT
ADRENAL, CORTEX (AC) :
-VACUOLATION, FOCAL,-MINIMAL
-PIGMENT,-SLIGHT
MARROW, FEMUR (FM) :
-HYPOCELLULAR, MARROW,-SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92609 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/12/00 STUDY DAY OF DEATH: 724 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: 675.2 GRAMS
DATE AND TIME OF NECROPSY: 04/12/00 14:00 PROSECTOR: JARED FISHEL RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE
	LUNG (LU) : -MOTTLED; ALL LOBES: RED AND TAN	LUNG (LU) : >UNREMARKABLE
		HEART (HT) : -CARDIOMYOPATHY,-MODERATE
	PITUITARY (PI) : -LARGE; 7 X 5 X 3 MM; APPEARS SWOLLEN	PITUITARY (PI) : -I-SARCOMA,-FROM BRAIN
		HARDERIAN GLAND (HG) : -I-SARCOMA,-FROM BRAIN
	SKIN (SK) : -MASS(ES); LEFT DORSAL THORACIC REGION: SINGLE MASS, 12 MM IN DIAMETER, TAN AND FIRM; SAME ON CUT SURFACE (CAP 23); REGIONAL LN (SEE AXILLARY)	SKIN (SK) : -B-FIBROMA,-NEOPLASM PRESENT
	PROSTATE (PR) : -NODULAR; PROXIMAL, SURROUNDING URETHRA: GREEN AND FIRM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SEVERE
		CAUSE OF DEATH (CD) : -NEOPLASM, BRAIN,-PRESENT
	LN, AXILLARY (AX) : -DIFFUSELY RED; LEFT: DARK RED (CAP 22)	LN, AXILLARY (AX) : -HEMORRHAGE,-PRESENT -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE
		CALVARIUM/SKULL (CA) : -I-SARCOMA,-FROM BRAIN

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92609 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/12/00 STUDY DAY OF DEATH: 724 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: 675.2 GRAMS
DATE AND TIME OF NECROPSY: 04/12/00 14:00 PROSECTOR: JARED FISHEL RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	CALVARIUM/SKULL (CA) : -MASS(ES); WITHIN CRANIAL VAULT, ATTACHED TO MENINGES ABOVE LEFT FRONTAL CORTEX: SINGLE MASS, 14 X 11 X 3 MM, TAN AND SOFT; COLLECTED INTACT WITH SKULL CAP GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; LEFT: CLEAR AND MOIST MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92609 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/12/00 STUDY DAY OF DEATH: 724 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: 675.2 GRAMS
DATE AND TIME OF NECROPSY: 04/12/00 14:00 PROSECTOR: JARED FISHEL RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92610 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 318.8 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 8:57 PROSECTOR: JODI THIEREN RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LF KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	13.5220	4.2417 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN

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

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92610 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 318.8 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 8:57 PROSECTOR: JODI THIEREN RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE),
BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM),
NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI),
HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE),
ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR),
SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN),
LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI),
LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP),
AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT),
DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO),
PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS),
BILE DUCT (BD), TRIGEMINAL NERVE (TG)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92611 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/20/99 STUDY DAY OF DEATH: 610 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: 988.9 GRAMS
DATE AND TIME OF NECROPSY: 12/20/99 11:47 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 85; 120 X 120MM; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -DIFFUSELY LIGHT; ALL LOBES: LIGHT BROWN	LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-SLIGHT -CYST, BILIARY,-PRESENT KIDNEY (KD) : -ECTASIA, TUBULAR,-SLIGHT SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATELY SEVERE PANCREAS (PA) : -INFILTRATE, MACROPHAGE, PIGMENTED,- MINIMAL -INFILTRATION, FAT, INTERSTITIAL,- MINIMAL MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,-MODERATE -HYPERPLASIA, ERYTHROID, MARROW,- MODERATE MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-MODERATE -HYPERPLASIA, ERYTHROID, MARROW,- MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92611 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/20/99 STUDY DAY OF DEATH: 610 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: 988.9 GRAMS
DATE AND TIME OF NECROPSY: 12/20/99 11:47 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : >SECTION EXAMINED; TISSUE NOT PRESENT LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
	THYROID (TY) : -LARGE; LEFT: 6 X 5 X 5 MM (RIGHT IS 4 X 3 X 3 MM) PITUITARY (PI) : -RAISED AREA(S); MID ASPECT: SINGLE DARK RED AND TAN AREA, 2 X 1 X 1 MM	THYROID (TY) : -B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT SKIN (SK) : -M-FIBROSARCOMA,-NEOPLASM PRESENT CAUSE OF DEATH (CD) : -NEOPLASM, SKIN/MUSCLE/SUBCUTIS,-PRESENT
	MAMMARY, MALE (MM) : -MASS(ES); RIGHT INGUINAL REGION: SINGLE MASS, 140 X 100 X 60 MM (478.0 GRAMS), RED, DARK RED, TAN, LOBULATED, AND FIRM; SOME SECTIONS CONTAIN A DARK RED FLUID; PORTION COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN	MAMMARY, MALE (MM) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL >NOTE:>SEE SKIN FOR DIAGNOSIS

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92611 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/20/99 STUDY DAY OF DEATH: 610 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: 988.9 GRAMS
DATE AND TIME OF NECROPSY: 12/20/99 11:47 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92612 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/18/99 STUDY DAY OF DEATH: 547 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 476.5 GRAMS
DATE AND TIME OF NECROPSY: 10/18/99 13:11 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE >BEHAVIOR; RECUMBENT; LATERAL; VERIFIED AT NECROPSY: NOT APPLICABLE >RESPIRATION; IRREGULAR; VERIFIED AT NECROPSY: NOT APPLICABLE >BEHAVIOR; COLD TO TOUCH; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) THYROID (TY) : -LARGE; RIGHT: 8 X 5 X 5 MM (LEFT IS 4 X 2 X 1 MM)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL -INFLAMMATION, CHRONIC-ACTIVE, PELVIC,-SLIGHT SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE PANCREAS (PA) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL -ATROPHY, ACINAR,-MINIMAL -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT ADRENAL, CORTEX (AC) : -VACUOLATION, FOCAL,-MINIMAL THYMUS (TH) : >SECTION EXAMINED; TISSUE NOT PRESENT HEART (HT) : -CARDIOMYOPATHY,-MINIMAL THYROID (TY) : -M-CARCINOMA, FOLLICULAR CELL,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92612 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/18/99 STUDY DAY OF DEATH: 547 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 476.5 GRAMS
DATE AND TIME OF NECROPSY: 10/18/99 13:11 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 12 X 8 X 6 MM, RED, DARK RED, TAN, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-MODERATE -ULCERATION,-MINIMAL -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
		LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE
	AUDITORY SEB GL (AS) : -MASS(ES); RIGHT: SINGLE MASS, 17 X 10 X 8 MM, TAN, LOBULATED, AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT WITH HEAD; REGIONAL LN (MANDIBULAR) NORMAL (CAP 22)	AUDITORY SEB GL (AS) : -M-CARCINOMA,-NEOPLASM PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; RIGHT: DRY RED MATERIAL -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92612 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/18/99 STUDY DAY OF DEATH: 547 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 476.5 GRAMS
DATE AND TIME OF NECROPSY: 10/18/99 13:11 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92613 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 319.6 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 9:28 PROSECTOR: LYNN HORNER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LF KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	13.1820	4.1251 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN

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

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92613 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 319.6 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 9:28 PROSECTOR: LYNN HORNER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE),
BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM),
NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI),
HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE),
ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR),
SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN),
LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI),
LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP),
AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT),
DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO),
PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS),
BILE DUCT (BD), TRIGEMINAL NERVE (TG)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92614 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/19/00 STUDY DAY OF DEATH: 640 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/19/00 7:39 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>MASS(ES); DORSAL; WEEK 89; 15 X 15MM;
VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; SORE/SCAB; DORSAL;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

EYE (EY) :
>AUTOLYTIC
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERPLASIA, BILE DUCT,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-
MINIMAL
SPLEEN (SP) :
-HEMATOPOIESIS, EXTRAMEDULLARY,
INCREASED,-SLIGHT
PANCREAS (PA) :
>AUTOLYTIC
ADRENAL, CORTEX (AC) :
-PIGMENT,-SLIGHT
TESTIS (TE) :
-ATROPHY/DEGENERATION,-SEVERE
>NOTE:>UNILATERAL
THYMUS (TH) :
>SECTION EXAMINED; TISSUE NOT PRESENT
LUNG (LU) :
-MINERALIZATION, VASCULAR,-MINIMAL
HEART (HT) :
-CARDIOMYOPATHY,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92614 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/19/00 STUDY DAY OF DEATH: 640 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/19/00 7:39 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYROID (TY) : >AUTOLYTIC PARATHYROID (PT) : -HYPERPLASIA,-MODERATELY SEVERE
	PITUITARY (PI) : -LARGE; 6 X 5 X 3 MM, APPEARS SWOLLEN	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		STOMACH, GL (ST) : >AUTOLYTIC DUODENUM (DU) : >AUTOLYTIC JEJUNUM (JE) : >AUTOLYTIC ILEUM (IL) : >AUTOLYTIC CECUM (CE) : >AUTOLYTIC
	SKIN (SK) : -CRUSTED AREA(S); MID DORSAL CERVICAL REGION: SINGLE DRY DARK RED CRUSTED AREA, 30 X 20 MM; COLLECTED; POSSIBLY CONSISTENT WITH MASS (DORSAL) NOTED IN CLINICAL OBSERVATION	SKIN (SK) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE -ULCERATION,-MODERATE -B-FIBROMA,-NEOPLASM PRESENT
		URINARY BLADDER (UB) : >AUTOLYTIC PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT CAUSE OF DEATH (CD) : -NEOPLASM, SKIN/MUSCLE/SUBCUTIS,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92614 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/19/00 STUDY DAY OF DEATH: 640 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/19/00 7:39 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: DARK RED; COLLECTED	LN, MANDIBULAR (MN) : -CONGESTION,-PRESENT

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
BRAIN (BR), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), COLON (CO), RECTUM (RE), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92615 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/03/00 STUDY DAY OF DEATH: 624 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: 633.0 GRAMS
DATE AND TIME OF NECROPSY: 01/03/00 8:04 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE >BEHAVIOR; RECUMBENT; LATERAL; VERIFIED AT NECROPSY: NOT APPLICABLE >EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-MODERATE -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL -HYPERPLASIA, ISLET CELLS,-MINIMAL -INFILTRATION, FAT, INTERSTITIAL,-MINIMAL
	TESTIS (TE) : -SMALL; RIGHT: 18 X 15 X 5 MM (LEFT IS 23 X 15 X 10 MM); BOTH ARE SOFT -CONTAINS FLUID; BILATERAL: CLEAR FLUID	TESTIS (TE) : -ATROPHY/DEGENERATION,-MODERATELY SEVERE >NOTE:>BILATERAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92615 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/03/00 STUDY DAY OF DEATH: 624 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: 633.0 GRAMS
DATE AND TIME OF NECROPSY: 01/03/00 8:04 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SEVERE HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 17 X 11 X 10 MM, RED, DARK RED, GRAY, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY -DISCHARGE-NASAL; DARK RED AND DRY	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92615 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/03/00 STUDY DAY OF DEATH: 624 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: 633.0 GRAMS
DATE AND TIME OF NECROPSY: 01/03/00 8:04 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92616 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 401.2 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 10:26 PROSECTOR: LAURIE J. SCHULLER RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0196	.0049 %	.0094	WEIGHT TAKEN
RT ADRENAL (AD1)	.0158	.0039 %	.0076	WEIGHT TAKEN
BRAIN (BR)	2.0788	.5181 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.5410	.3841 %	.7413	WEIGHT TAKEN
RT KIDNEY (KD1)	1.6127	.4020 %	.7758	WEIGHT TAKEN
LIVER (LI)	11.5117	2.8693 %	5.5377	WEIGHT TAKEN
LUNG (LU)	1.7953	.4475 %	.8636	WEIGHT TAKEN
SPLEEN (SP)	.5603	.1397 %	.2695	WEIGHT TAKEN
LF TESTIS (TE0)	1.5787	.3935 %	.7594	WEIGHT TAKEN
RT TESTIS (TE1)	1.5658	.3903 %	.7532	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0102	.0025 %	.0049	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0099	.0025 %	.0048	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

KIDNEY (KD) :
-LARGE PELVIS(ES); RIGHT

HARDERIAN GLAND (HG) :
-MISSING/NOT IDENTIFIED; LEFT: NOT IDENTIFIED; RIGHT APPEARS NORMAL

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL
KIDNEY (KD) :
-DILATATION, PELVIC,-MODERATE
ADRENAL, CORTEX (AC) :
-VACUOLATION, FOCAL,-MINIMAL
HARDERIAN GLAND (HG) :
>NOT REQUIRED TO BE EXAMINED FOR ANIMAL
STOMACH, GL (ST) :
>NOT REQUIRED TO BE EXAMINED FOR ANIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92616 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 401.2 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 10:26 PROSECTOR: LAURIE J. SCHULLER RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN PINPOINT FOCI	
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92617 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/05/99 STUDY DAY OF DEATH: 565 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 503.2 GRAMS
DATE AND TIME OF NECROPSY: 11/05/99 7:09 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EYES; PALE; EYES; VERIFIED AT NECROPSY: OBSERVED	EYE (EY) :	EYE (EY) :
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	-WHITE INTRAOCULAR MATERIAL; BILATERAL; POSSIBLY CONSISTENT WITH PALE EYES AS NOTED IN CLINICAL OBSERVATIONS	-DEGENERATION, LENTICULAR,-MODERATE
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) :	BRAIN (BR) :
>BEHAVIOR; RECUMBENT; LATERAL; VERIFIED AT NECROPSY: NOT APPLICABLE	-COMPRESSED (HYPOTHALAMUS)	-DILATATION, VENTRICULAR,-PRESENT -COMPRESSION, VENTRAL,-PRESENT
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) :	LIVER (LI) :
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED	-LIGHT FOCUS(I)/AREA(S); DIAPHRAGMATIC SURFACE OF LEFT LATERAL LOBE: SINGLE TAN AREA, 17 X 11 MM; COLLECTED ON ROUTINE SECTION	-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT -HYPERPLASIA, BILE DUCT,-MINIMAL -B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT
	KIDNEY (KD) :	KIDNEY (KD) :
	-ROUGH SURFACE, DIFFUSE; BILATERAL	-NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATELY SEVERE
		SPLEEN (SP) :
		-PIGMENT, INCREASED,-SLIGHT
		PANCREAS (PA) :
		-ZYMOGEN GRANULES, DECREASED,-MODERATE -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92617 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/05/99 STUDY DAY OF DEATH: 565 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 503.2 GRAMS
DATE AND TIME OF NECROPSY: 11/05/99 7:09 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -PIGMENT,-MINIMAL
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SEVERE
		LUNG (LU) : -INFLAMMATION, SUBACUTE,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 11 X 10 X 9 MM, RED, DARK RED, GREY, TAN, LOBULATED AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
	STOMACH, GL (ST) : -RED FOCUS(I)/AREA(S); MUCOSA, NEAR PYLORIC VALVE: SINGLE DARK RED FOCUS, 2 MM IN DIAMETER	STOMACH, GL (ST) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
	SEMINAL VESICLES (SV) : -GELATINOUS; BILATERAL: CLEAR AND SOFT	SEMINAL VESICLES (SV) : >UNREMARKABLE
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY, RED MATERIAL -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92617 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/05/99 STUDY DAY OF DEATH: 565 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 503.2 GRAMS
DATE AND TIME OF NECROPSY: 11/05/99 7:09 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92618 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 319.7 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 10:23 PROSECTOR: LYNN HORNER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LF KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	14.8145	4.6341 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN

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

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92618 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 319.7 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 10:23 PROSECTOR: LYNN HORNER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE),
BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM),
NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI),
HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE),
ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR),
SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN),
LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI),
LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP),
AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT),
DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO),
PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS),
BILE DUCT (BD), TRIGEMINAL NERVE (TG)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92619 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 684.5 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 13:00 PROSECTOR: TROY ELLENBECKER RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -DEGENERATION, CYSTIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL -FIBROSIS, PERIBILIARY,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT PANCREAS (PA) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL -HYPERPLASIA, ISLET CELLS,-SLIGHT -ATROPHY, ACINAR,-SLIGHT -HYPERTROPHY / BASOPHILIA, ACINAR CELL,-SLIGHT THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL -B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92619 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 684.5 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 13:00 PROSECTOR: TROY ELLENBECKER RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, GL (ST) : -THICKENED WALL; DIFFUSE	STOMACH, GL (ST) : -HYPERPLASIA, EPITHELIAL, GLANDULAR,-MODERATE CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), LUNG (LU), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92620 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 02/15/00 STUDY DAY OF DEATH: 667 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 02/15/00 7:23 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; MISSING; TEETH; VERIFIED AT NECROPSY: OBSERVED >EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) PITUITARY (PI) : -MASS(ES); SINGLE MASS, 9 X 8 X 5 MM, RED, DARK RED, TAN, GRAY AND SOFT	BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -DILATATION, PELVIC,-SLIGHT -MINERALIZATION, PELVIC,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE ADRENAL, CORTEX (AC) : -PIGMENT,-MINIMAL THYMUS (TH) : >SECTION EXAMINED; TISSUE NOT PRESENT LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL THYROID (TY) : -DILATATION / CYST, FOLLICULAR,-PRESENT PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92620 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 02/15/00 STUDY DAY OF DEATH: 667 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 02/15/00 7:23 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL STOMACH, GL (ST) : -EDEMA,-SLIGHT -INFLAMMATION, ACUTE,-SLIGHT COLON (CO) : -PARASITISM,-PRESENT PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	PREPUTIAL GLAND (PG) : -LARGE; BILATERAL: LEFT IS 6 X 6 X 3 MM, RIGHT IS 5 X 4 X 3 MM; BOTH APPEAR CYSTIC WITH GREEN SEMISOLID (CAP 22) GENERAL COMMENT (GC) : -MALOCCLUSION; BILATERAL: LOWER INCISORS -TEETH MISSING/BROKEN/WORN; BILATERAL UPPER INCISORS: BROKEN OFF AT BASE -DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY	PREPUTIAL GLAND (PG) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92620 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 02/15/00 STUDY DAY OF DEATH: 667 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 02/15/00 7:23 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92621 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 526.8 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 9:51 PROSECTOR: STEVE VAN ADESTINE RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0379	.0072 %	.0175	WEIGHT TAKEN
RT ADRENAL (AD1)	.0377	.0072 %	.0174	WEIGHT TAKEN
BRAIN (BR)	2.1646	.4109 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.9881	.3774 %	.9185	WEIGHT TAKEN
RT KIDNEY (KD1)	1.8534	.3518 %	.8562	WEIGHT TAKEN
LIVER (LI)	18.7242	3.5543 %	8.6502	WEIGHT TAKEN
LUNG (LU)	1.9337	.3671 %	.8933	WEIGHT TAKEN
SPLEEN (SP)	.8626	.1637 %	.3985	WEIGHT TAKEN
LF TESTIS (TE0)	1.6258	.3086 %	.7511	WEIGHT TAKEN
RT TESTIS (TE1)	1.6364	.3106 %	.7560	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0117	.0022 %	.0054	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0145	.0028 %	.0067	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-MINIMAL PANCREAS (PA) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
	ADRENAL, CORTEX (AC) : >NOTE:>TRIMMING COMMENT: ONE ADRENAL MISSING FROM WET TISSUE AT TIME OF TRIMMING	ADRENAL, CORTEX (AC) : -UNILATERALLY EXAMINED,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92621 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 526.8 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 9:51 PROSECTOR: STEVE VAN ADESTINE RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	ADRENAL, MEDULLA (MA) : >NOTE:>TRIMMING COMMENT: ONE ADRENAL MISSING FROM WET TISSUE AT TIME OF TRIMMING	ADRENAL, MEDULLA (MA) : -UNILATERALLY EXAMINED,-PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: DARK RED (CAP 21)	LN, MANDIBULAR (MN) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL
	GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN	
	GENERAL INFORMATION (XX) : >NOTE:>SODIUM PENTOBARBITAL ADMINISTERED PRIOR TO CARBON DIOXIDE ANESTHESIA	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92621 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 526.8 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 9:51 PROSECTOR: STEVE VAN ADESTINE RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), LN, MESENTERIC (MS), TESTIS (TE)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92622 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/18/99 STUDY DAY OF DEATH: 578 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/18/99 7:52 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -DEGENERATION, CYSTIC,-MINIMAL -ANGIECTASIS,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT PANCREAS (PA) : -ATROPHY, ACINAR,-MINIMAL -HYPERTROPHY / BASOPHILIA, ACINAR CELL,-MINIMAL ADRENAL, CORTEX (AC) : -PIGMENT,-MINIMAL ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,- 2 NEOPLASMS PRESENT
	LN, MESENTERIC (MS) : -DIFFUSELY RED	LN, MESENTERIC (MS) : -HEMORRHAGE,-PRESENT TESTIS (TE) : -MINERALIZATION, VASCULAR,-MINIMAL MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92622 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/18/99 STUDY DAY OF DEATH: 578 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/18/99 7:52 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE
	HEART (HT) : -MASS(ES); INVOLVING RIGHT AND LEFT ATRIA: SINGLE MASS, 12 MM IN DIAMETER, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (SEE MEDIASTINAL)	HEART (HT) : -M-ATRIOCAVAL MESOTHELIOMA,-NEOPLASM PRESENT
		THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
		PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -THICKENED WALL; DIFFUSE	STOMACH, GL (ST) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT -FIBROSIS,-SLIGHT
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
		CAUSE OF DEATH (CD) : -NEOPLASM, HEART,-PRESENT
	LN, MEDIASTINAL (ML) : -DIFFUSELY RED; DARK RED (CAP 22)	LN, MEDIASTINAL (ML) : -HEMORRHAGE,-PRESENT -INFILTRATE, MAST CELL,-MODERATE
	GENERAL INFORMATION (XX) : >NOTE:>ANIMAL IDENTIFICATION TRANSPONDER DAMAGED AT NECROPSY	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92622 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/18/99 STUDY DAY OF DEATH: 578 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/18/99 7:52 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), BONE, FEMUR (FE), MARROW, FEMUR (FM), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92623 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 703.8 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 7:59 PROSECTOR: TERRI L. WILLIAMS RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 5 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -DEGENERATION, CYSTIC,-MINIMAL -VACUOLATION, HEPATOCELLULAR,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL PANCREAS (PA) : -ATROPHY, ACINAR,-MINIMAL -INFILTRATION, FAT, INTERSTITIAL,-SLIGHT THYROID (TY) : -DILATATION / CYST, FOLLICULAR,-PRESENT
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); LEFT POSTERIOR ASPECT: SINGLE DARK RED AREA, 2 MM IN DIAMETER	PITUITARY (PI) : -HYPERPLASIA,-SLIGHT
	STOMACH, GL (ST) : -THICKENED WALL; DIFFUSE	STOMACH, GL (ST) : -HYPERPLASIA, EPITHELIAL, GLANDULAR,-MODERATE URINARY BLADDER (UB) : -PROTEINACEOUS MATERIAL, LUMINAL,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92623 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 703.8 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 7:59 PROSECTOR: TERRI L. WILLIAMS RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), LUNG (LU), PARATHYROID (PT)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92624 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 06/18/99 STUDY DAY OF DEATH: 425 STUDY WEEK OF DEATH: 61 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 06/18/99 14:44 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT SPLEEN (SP) : -PIGMENT, INCREASED,-MINIMAL ADRENAL, CORTEX (AC) : -PIGMENT,-MINIMAL THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL
	PITUITARY (PI) : -MASS(ES); 10 X 7 X 6 MM, RED, DARK RED, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		JEJUNUM (JE) : >AUTOLYTIC ILEUM (IL) : >AUTOLYTIC CECUM (CE) : >AUTOLYTIC

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92624 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 06/18/99 STUDY DAY OF DEATH: 425 STUDY WEEK OF DEATH: 61 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 06/18/99 14:44 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		COLON (CO) : >AUTOLYTIC URINARY BLADDER (UB) : -PROTEINACEOUS MATERIAL, LUMINAL,-PRESENT PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -DISCHARGE-NASAL; BILATERAL: RED AND MOIST MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92624 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 06/18/99 STUDY DAY OF DEATH: 425 STUDY WEEK OF DEATH: 61 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 06/18/99 14:44 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), RECTUM (RE), SKIN (SK), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92625 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/28/99 STUDY DAY OF DEATH: 588 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 460.6 GRAMS
DATE AND TIME OF NECROPSY: 11/28/99 13:56 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED
>SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; TREMORS; HEAD; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; COLD TO TOUCH; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE
>RESPIRATION; IRREGULAR; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

KIDNEY (KD) :
-CYST(S); BILATERAL, CORTICAL SURFACE: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 10 MM IN DIAMETER
-ROUGH SURFACE, DIFFUSE; BILATERAL

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
-DEGENERATION, CYSTIC,-MINIMAL
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-SEVERE
-DILATATION, PELVIC,-SLIGHT
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
PANCREAS (PA) :
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
-HYPERTROPHY / BASOPHILIA, ACINAR CELL,-SLIGHT
ADRENAL, CORTEX (AC) :
-VACUOLATION, FOCAL,-SLIGHT
-HYPERTROPHY, CORTICAL CELL,-SLIGHT
-HYPERPLASIA, CORTICAL,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92625 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/28/99 STUDY DAY OF DEATH: 588 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 460.6 GRAMS
DATE AND TIME OF NECROPSY: 11/28/99 13:56 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, MEDULLA (MA) : -HYPERPLASIA, MEDULLARY,-MODERATELY SEVERE LN, MESENTERIC (MS) : >TISSUE MISSING TESTIS (TE) : -ATROPHY/DEGENERATION,-SLIGHT BONE, FEMUR (FE) : -OSTEODYSTROPHY, FIBROUS,-SLIGHT BONE, STERNUM (SB) : -OSTEODYSTROPHY, FIBROUS,-SLIGHT THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE HEART (HT) : -CARDIOMYOPATHY,-MODERATE THYROID (TY) : -B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT PARATHYROID (PT) : -HYPERPLASIA,-MODERATELY SEVERE
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); LEFT POSTERIOR ASPECT: SINGLE DARK RED FOCUS, 1 MM IN DIAMETER STOMACH, GL (ST) : -THICKENED WALL; MUCOSA, DIFFUSE	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT -CYST,-PRESENT STOMACH, GL (ST) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92625 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/28/99 STUDY DAY OF DEATH: 588 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 460.6 GRAMS
DATE AND TIME OF NECROPSY: 11/28/99 13:56 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		STOMACH, GL (ST) : -HYPERPLASIA, EPITHELIAL, GLANDULAR,-SLIGHT -MINERALIZATION, GLANDULAR MUCOSA,-MODERATELY SEVERE CECUM (CE) : -EROSION,-SLIGHT -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT URINARY BLADDER (UB) : -PROTEINACEOUS MATERIAL, LUMINAL,-PRESENT PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL CAUSE OF DEATH (CD) : -NEPHROPATHY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92625 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/28/99 STUDY DAY OF DEATH: 588 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 460.6 GRAMS
DATE AND TIME OF NECROPSY: 11/28/99 13:56 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), MARROW, FEMUR (FM), MARROW, STERNUM (SE), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), COLON (CO), RECTUM (RE), SKIN (SK), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92626 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 726.2 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 10:55 PROSECTOR: JAMES T. CALLEN RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) :
		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
>APPEARANCE; MISSING; TEETH; VERIFIED AT NECROPSY: OBSERVED		-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL
		-HYPERPLASIA, BILE DUCT,-MINIMAL
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
>APPEARANCE; SWOLLEN; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED		PANCREAS (PA) :
		-INFILTRATION, FAT, INTERSTITIAL,-MINIMAL
		TESTIS (TE) :
		-ATROPHY/DEGENERATION,-MINIMAL
		LUNG (LU) :
		-INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT
		THYROID (TY) :
		-B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) :
		-SCHEDULED SACRIFICE,-PRESENT
	FOOT/FOOTPAD (FP) :	FOOT/FOOTPAD (FP) :
	-ABRASION(S)/ULCERATION(S); LEFT HINDFOOT: SINGLE MOIST, RED ABRADED AREA, 15 MM IN DIAMETER; COLLECTED	-INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE
		-ULCERATION,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92626 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 726.2 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 10:55 PROSECTOR: JAMES T. CALLEN RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	JOINT, OTHER (JT) : -LARGE; LEFT TARSAL: UP TO 12 MM IN DIAMETER; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -MALOCCLUSION; LEFT UPPER INCISOR -TEETH MISSING/BROKEN/WORN; RIGHT UPPER INCISOR: MISSING -DISCHARGE-OCULAR; RIGHT: DRY RED MATERIAL	JOINT, OTHER (JT) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92626 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 726.2 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 10:55 PROSECTOR: JAMES T. CALLEN RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92627 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 525.3 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 13:32 PROSECTOR: LAURIE J. SCHULLER RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0277	.0053 %	.0119	WEIGHT TAKEN
RT ADRENAL (AD1)	.0262	.0050 %	.0113	WEIGHT TAKEN
BRAIN (BR)	2.3192	.4415 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	2.0656	.3932 %	.8907	WEIGHT TAKEN
RT KIDNEY (KD1)	1.9527	.3717 %	.8420	WEIGHT TAKEN
LIVER (LI)	16.9241	3.2218 %	7.2974	WEIGHT TAKEN
LUNG (LU)	1.8755	.3570 %	.8087	WEIGHT TAKEN
SPLEEN (SP)	1.0427	.1985 %	.4496	WEIGHT TAKEN
LF TESTIS (TE0)	2.0320	.3868 %	.8762	WEIGHT TAKEN
RT TESTIS (TE1)	1.9782	.3766 %	.8530	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0148	.0028 %	.0064	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0192	.0037 %	.0083	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

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

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-VACUOLATION, HEPATOCELLULAR,
PERIPORTAL,-SLIGHT
KIDNEY (KD) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
PANCREAS (PA) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92627 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 525.3 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 13:32 PROSECTOR: LAURIE J. SCHULLER RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92628 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/07/99 STUDY DAY OF DEATH: 506 STUDY WEEK OF DEATH: 73 TERMINAL BODY WEIGHT: 471.9 GRAMS
DATE AND TIME OF NECROPSY: 09/07/99 13:45 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED	EYE (EY) : >NOTE:>LEFT RUPTURED AT NECROPSY	
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT -COMPRESSION, VENTRAL,-PRESENT -INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL PANCREAS (PA) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
	ADRENAL, CORTEX (AC) : -SMALL; BILATERAL: EACH IS 3 X 2 X 2 MM	ADRENAL, CORTEX (AC) : -PIGMENT,-SLIGHT -ATROPHY, CORTICAL,-MODERATELY SEVERE MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,-SLIGHT MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92628 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/07/99 STUDY DAY OF DEATH: 506 STUDY WEEK OF DEATH: 73 TERMINAL BODY WEIGHT: 471.9 GRAMS
DATE AND TIME OF NECROPSY: 09/07/99 13:45 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL MUSCLE, SKELETAL (SM) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 11 X 9 X 7 MM, DARK RED, GRAY AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -EROSION/ULCERATION; MUCOSA: SINGLE TAN ERODED AREA, 2 X 1 MM -THICKENED WALL; DIFFUSE	STOMACH, GL (ST) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
	PROSTATE (PR) : -NODULAR; PROXIMAL, SURROUNDING URETHRA: GREEN, BROWN AND FIRM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
	SEMINAL VESICLES (SV) : -LARGE; BILATERAL: EACH IS 25 X 15 X 5 MM	SEMINAL VESICLES (SV) : -SECRETION, INCREASED,-PRESENT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92628 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/07/99 STUDY DAY OF DEATH: 506 STUDY WEEK OF DEATH: 73 TERMINAL BODY WEIGHT: 471.9 GRAMS
DATE AND TIME OF NECROPSY: 09/07/99 13:45 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92629 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/17/99 STUDY DAY OF DEATH: 546 STUDY WEEK OF DEATH: 78 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/17/99 9:10 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	KIDNEY (KD) : -ROUGH SURFACE, DIFFUSE; BILATERAL -LARGE; BILATERAL: EACH IS 32 X 26 X 19 MM -DIFFUSELY LIGHT; BILATERAL: TAN	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SEVERE
		SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT
		PANCREAS (PA) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL -B-ADENOMA, ACINAR CELL,-NEOPLASM PRESENT
	ADRENAL, CORTEX (AC) : -LARGE; RIGHT: 5 MM IN DIAMETER (LEFT IS 4 MM IN DIAMETER)	ADRENAL, CORTEX (AC) : -VACUOLATION, FOCAL,-SLIGHT -ANGIECTASIS,-MODERATE -PIGMENT,-SLIGHT
	TESTIS (TE) : -SMALL; BILATERAL: EACH IS 19 X 15 X 15 MM; BOTH ARE SOFT	TESTIS (TE) : -ATROPHY/DEGENERATION,-MODERATELY SEVERE -INFLAMMATION, VASCULAR,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92629 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/17/99 STUDY DAY OF DEATH: 546 STUDY WEEK OF DEATH: 78 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/17/99 9:10 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE LUNG (LU) : -LEUKOCYTES, INCREASED, INTRAVASCULAR,-PRESENT -MINERALIZATION, SEPTAL,-SLIGHT HEART (HT) : -CARDIOMYOPATHY,-MODERATE -MINERALIZATION, VASCULAR,-MODERATE PARATHYROID (PT) : -HYPERPLASIA,-MODERATE
	STOMACH, GL (ST) : -RED FOCUS(I)/AREA(S); MUCOSA: MULTIPLE RED PINPOINT FOCI -THICKENED WALL; MUCOSA	STOMACH, GL (ST) : -HYPERPLASIA, EPITHELIAL, GLANDULAR,-SLIGHT -MINERALIZATION, GLANDULAR MUCOSA,-MODERATE ILEUM (IL) : >AUTOLYTIC CECUM (CE) : >AUTOLYTIC PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE EPIDIDYMIDES (EP) : -IMMATURE SPERM FORMS,-SLIGHT -HYPOSPERMIA,-PRESENT CAUSE OF DEATH (CD) : -NEPHROPATHY,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92629 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/17/99 STUDY DAY OF DEATH: 546 STUDY WEEK OF DEATH: 78 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/17/99 9:10 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	AORTA (AO) : -LARGE; DIFFUSE: UP TO 5 MM IN DIAMETER -FIRM; DIFFUSE GENERAL COMMENT (GC) : -ANIMAL THIN -URINARY BLADDER-LARGE LUMEN; UP TO 18 MM IN DIAMETER -DISCHARGE-ORAL; CLEAR, MOIST MATERIAL	AORTA (AO) : -MINERALIZATION,-MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92629 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/17/99 STUDY DAY OF DEATH: 546 STUDY WEEK OF DEATH: 78 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/17/99 9:10 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92630 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/26/99 STUDY DAY OF DEATH: 616 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: 427.7 GRAMS
DATE AND TIME OF NECROPSY: 12/26/99 7:19 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 73; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -DEGENERATION, CYSTIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-SLIGHT -FIBROSIS, PERIBILIARY,-MINIMAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED	KIDNEY (KD) : -CYST(S); BILATERAL, DIFFUSE: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 3 MM IN DIAMETER	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SEVERE -HYPERPLASIA, TRANSITIONAL CELL,-MODERATE -INFLAMMATION, CHRONIC-ACTIVE, PELVIC,-SLIGHT -CYST,-PRESENT
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE	-LARGE PELVIS(ES); BILATERAL	
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	-DIFFUSELY LIGHT; BILATERAL: TAN	SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT
	ADRENAL, CORTEX (AC) : -LARGE; LEFT: 10 X 8 X 6 MM (RIGHT IS 5 X 4 X 4 MM)	ADRENAL, CORTEX (AC) : -VACUOLATION, FOCAL,-SLIGHT -PIGMENT,-MINIMAL
		ADRENAL, MEDULLA (MA) : -M-MALIGNANT PHEOCHROMOCYTOMA,-NEOPLASM PRESENT
		LN, MESENTERIC (MS) : >TISSUE MISSING

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92630 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/26/99 STUDY DAY OF DEATH: 616 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: 427.7 GRAMS
DATE AND TIME OF NECROPSY: 12/26/99 7:19 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	TESTIS (TE) : -SMALL; RIGHT: 20 X 15 X 8 MM (LEFT IS 25 X 17 X 10 MM); RIGHT IS SOFT	TESTIS (TE) : -ATROPHY/DEGENERATION,-MODERATELY SEVERE -INFLAMMATION, VASCULAR,-SLIGHT >NOTE:>UNILATERAL BONE, FEMUR (FE) : -OSTEODYSTROPHY, FIBROUS,-MINIMAL THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE HEART (HT) : -CARDIOMYOPATHY,-SLIGHT PARATHYROID (PT) : -HYPERPLASIA,-SEVERE PITUITARY (PI) : -HYPERPLASIA,-MINIMAL
	STOMACH, GL (ST) : -THICKENED WALL; DIFFUSE	STOMACH, GL (ST) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL -HYPERPLASIA, EPITHELIAL, GLANDULAR,-MODERATELY SEVERE SKIN (SK) : -CYST, EPIDERMAL INCLUSION,-PRESENT PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE
	SEMINAL VESICLES (SV) : -SMALL; BILATERAL: EACH IS 17 X 10 X 3 MM	SEMINAL VESICLES (SV) : -ATROPHY,-MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92630 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/26/99 STUDY DAY OF DEATH: 616 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: 427.7 GRAMS
DATE AND TIME OF NECROPSY: 12/26/99 7:19 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : -NEPHROPATHY,-PRESENT
	LN, RENAL (RL) : -DIFFUSELY RED; BILATERAL: DARK RED (CAP 22)	LN, RENAL (RL) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE
	MAMMARY, MALE (MM) : -CYST(S); RIGHT PERINEAL REGION: TWO TAN AND CREAMY SEMIFLUID FILLED CYSTS, ONE IS 15 MM IN DIAMETER, THE OTHER IS 5 MM IN DIAMETER; COLLECTED; POSSIBLY CONSISTENT WITH MASS NOTED IN CLINICAL OBSERVATIONS	MAMMARY, MALE (MM) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL >NOTE:>SEE SKIN FOR DIAGNOSIS
	LN, LUMBAR/ILIAC (LM) : -CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 6 MM IN DIAMETER (CAP 23)	LN, LUMBAR/ILIAC (LM) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT -HEMORRHAGE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92630 SEX: MALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/26/99 STUDY DAY OF DEATH: 616 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: 427.7 GRAMS
DATE AND TIME OF NECROPSY: 12/26/99 7:19 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, MANDIBULAR (MN), COAGULATING GL (CG), TAIL (TI), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

COVANCE
THE DEVELOPMENT SERVICES COMPANY

Sponsor:

3M
St. Paul, Minnesota

FINAL REPORT

Study Title:

104-Week Dietary Chronic Toxicity and Carcinogenicity Study with Perfluorooctane Sulfonic Acid Potassium Salt (PFOS; T-6295) in Rats

Author:

Peter J. Thomford, PhD

Study Completion Date:

January 2, 2002

Testing Facility:

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

Laboratory Study Identification:

Covance 6329-183

Sponsor Study Identification:

3M T-6295

CONTENTS

VOLUME VI OF IX **Page**

APPENDIX 6 (Continued) 2144
Individual Anatomic Pathology Data 2145

APPENDIX 6 (Continued)

Individual Anatomic Pathology Data

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92631 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 765.4 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 11:10 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MODERATELY SEVERE -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-SLIGHT -HYPERPLASIA, BILE DUCT,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-MODERATE TESTIS (TE) : -B-INTERSTITIAL CELL TUMOR,-NEOPLASM PRESENT LUNG (LU) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERPLASIA, TYPE II PNEUMOCYTE,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92631 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 765.4 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 11:10 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, GL (ST) : -THICKENED WALL; DIFFUSE	STOMACH, GL (ST) : -HYPERPLASIA, EPITHELIAL, GLANDULAR,-MODERATE URINARY BLADDER (UB) : -PROTEINACEOUS MATERIAL, LUMINAL,-PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92631 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 765.4 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 11:10 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PARATHYROID (PT)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92632 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/03/00 STUDY DAY OF DEATH: 715 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 650.4 GRAMS
DATE AND TIME OF NECROPSY: 04/03/00 14:45 PROSECTOR: JOHN S. HALFORD RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; EAR-LEFT; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL -FIBROSIS, PERIBILIARY,-MINIMAL
>MASS(ES); EAR-LEFT; WEEK 48; 30 X 30MM; VERIFIED AT NECROPSY: OBSERVED		
>MASS(ES); VENTRAL-CERVICAL-LEFT; WEEK 103; 25 X 45MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED	ADRENAL, CORTEX (AC) : -LARGE; RIGHT: 7 MM IN DIAMETER (LEFT IS 4 MM IN DIAMETER)	ADRENAL, CORTEX (AC) : -VACUOLATION, FOCAL,-SLIGHT
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE		ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		TESTIS (TE) : -ATROPHY/DEGENERATION,-MINIMAL -HYPERPLASIA, INTERSTITIAL CELL (LEYDIG CELL),-MINIMAL
>BEHAVIOR; COLD TO TOUCH; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE		MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,-MODERATE
		MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-MODERATELY SEVERE
	THYMUS (TH) : -MISSING/NOT IDENTIFIED; NOT IDENTIFIED: POSSIBLE REMNANTS COLLECTED	THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92632 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/03/00 STUDY DAY OF DEATH: 715 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 650.4 GRAMS
DATE AND TIME OF NECROPSY: 04/03/00 14:45 PROSECTOR: JOHN S. HALFORD RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LUNG (LU) : -LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE GRAY, FIRM AND SLIGHTLY RAISED AREAS, UP TO 9 X 7 X 3 MM HEART (HT) : -LIGHT FOCUS(I)/AREA(S); EPICARDIUM OF LEFT VENTRICLE: SINGLE TAN AREA, 3 X 2 X 1 MM PITUITARY (PI) : -LARGE; 4 X 3 X 2 MM; APPEARS SWOLLEN STOMACH, GL (ST) : -THICKENED WALL; MUCOSA: DIFFUSE	LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL -N-SARCOMA,-NEOPLASM PRESENT HEART (HT) : -CARDIOMYOPATHY,-SLIGHT -N-SARCOMA,-NEOPLASM PRESENT THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT SALIV GL, MANDIB (SG) : -I-SARCOMA,-NEOPLASM PRESENT STOMACH, GL (ST) : >UNREMARKABLE SKIN (SK) : -M-FIBROSARCOMA,-NEOPLASM PRESENT PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT CAUSE OF DEATH (CD) : -NEOPLASM, SKIN/MUSCLE/SUBCUTIS,-PRESENT LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT AUDITORY SEB GL (AS) : -I-SARCOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92632 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/03/00 STUDY DAY OF DEATH: 715 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 650.4 GRAMS
DATE AND TIME OF NECROPSY: 04/03/00 14:45 PROSECTOR: JOHN S. HALFORD RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	AUDITORY SEB GL (AS) : -MASS(ES); LEFT, INVOLVING ENTIRE ORGAN, EXTENDING TO LEFT VENTRAL CERVICAL REGION AND LEFT PINNA: SINGLE MASS, 57 X 23 X 18 MM, RED, DARK RED, GRAY, TAN, VASCULAR, LOBULATED AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (MANDIBULAR) NORMAL (CAP 22); SKIN OVERLYING LEFT PINNA HAS A SINGLE DRY BLACK CRUSTED AREA, 28 X 25 X 19 MM; COLLECTED INTACT WITH MASS PERICARDIAL SAC (PD) : -MASS(ES); INVOLVING ENTIRE TISSUE: SINGLE MASS, 34 X 24 X 14 MM, RED, DARK RED, GRAY, TAN, LOBULATED AND FIRM; SAME ON CUT SURFACE (CAP 23); REGIONAL LN (MEDIASTINAL) NOT IDENTIFIED; PORTIONS OF MASS ADHERED TO DIAPHRAGM; COLLECTED INTACT WITH MASS GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	PERICARDIAL SAC (PD) : -N-SARCOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92632 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/03/00 STUDY DAY OF DEATH: 715 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 650.4 GRAMS
DATE AND TIME OF NECROPSY: 04/03/00 14:45 PROSECTOR: JOHN S. HALFORD RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA),
LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB),
SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY),
PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE),
ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR),
SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN),
LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI),
LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA),
LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA),
LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA),
LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), BONE, FEMUR (FE), BONE, STERNUM (SB),
SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT),
HARDERIAN GLAND (HG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO),
RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92633 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 830.9 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 13:20 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; SORE/SCAB; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL -FIBROSIS, PERIBILIARY,-MINIMAL -B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL PANCREAS (PA) : -ATROPHY, ACINAR,-MODERATE -INFILTRATION, FAT, INTERSTITIAL,-MODERATELY SEVERE
	TESTIS (TE) : -SMALL; LEFT: 20 X 13 X 4 MM (RIGHT IS 25 X 15 X 12 MM); LEFT APPEARS SOFT	TESTIS (TE) : -ATROPHY/DEGENERATION,-SEVERE >NOTE:>UNILATERAL LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92633 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 830.9 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 13:20 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYROID (TY) : -M-CARCINOMA, FOLLICULAR CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); LEFT AND RIGHT ASPECT: SINGLE DARK RED AREA ON EACH, BOTH ARE 2 X 1 MM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -EROSION/ULCERATION; MUCOSA: SINGLE DARK BROWN ERODED AREA, 4 X 1 MM -THICKENED WALL; MUCOSA: DIFFUSE	STOMACH, GL (ST) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT -ULCERATION,-SLIGHT -HYPERPLASIA, EPITHELIAL, GLANDULAR,-MODERATE
	PROSTATE (PR) : -NODULAR; PROXIMAL SURROUNDING URETHRA: GREEN	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	FOOT/FOOTPAD (FP) : -CRUSTED AREA(S); RIGHT HINDFOOT: SINGLE DARK RED AND DRY AREA, 6 X 5 MM; COLLECTED	FOOT/FOOTPAD (FP) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE -ULCERATION,-MODERATE -ACANTHOSIS / HYPERKERATOSIS,-MODERATE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -MALOCCLUSION; BILATERAL UPPER INCISORS	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92633 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 830.9 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 13:20 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92634 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/13/99 STUDY DAY OF DEATH: 603 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/13/99 7:22 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MINIMAL PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-MINIMAL ADRENAL, CORTEX (AC) : -PIGMENT,-MINIMAL TESTIS (TE) : -ATROPHY/DEGENERATION,-SEVERE >NOTE:>BILATERAL THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92634 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/13/99 STUDY DAY OF DEATH: 603 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/13/99 7:22 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		HEART (HT) : -CARDIOMYOPATHY,-MINIMAL THYROID (TY) : -B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 7 X 6 X 6 MM, RED, GREY, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		ILEUM (IL) : >AUTOLYTIC CECUM (CE) : >AUTOLYTIC RECTUM (RE) : >AUTOLYTIC URINARY BLADDER (UB) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT EPIDIDYMIDES (EP) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92634 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/13/99 STUDY DAY OF DEATH: 603 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/13/99 7:22 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), COLON (CO), SKIN (SK), SEMINAL VESICLES (SV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92635 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/20/99 STUDY DAY OF DEATH: 549 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 481.8 GRAMS
DATE AND TIME OF NECROPSY: 10/20/99 10:50 PROSECTOR: JARED FISHEL RECORDER: KEVIN BILLINGS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: NOT OBSERVED
>MASS(ES); HEAD-MAXILLARY-RIGHT; WEEK 76; 20 X 15MM; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE
>EXCRETION; NONFORMED FECES; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

EYE (EY) :
-DYSTROPHY, CORNEAL IN EARLY STAGES, CONSISTS PRIMARILY OF FOCAL MINERALIZATION,-MINIMAL
BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
-DEGENERATION, CYSTIC,-MINIMAL
-HYPERPLASIA, BILE DUCT,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-MINERALIZATION, PELVIC,-SLIGHT
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MINIMAL
PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-MODERATE
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92635 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/20/99 STUDY DAY OF DEATH: 549 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 481.8 GRAMS
DATE AND TIME OF NECROPSY: 10/20/99 10:50 PROSECTOR: JARED FISHEL RECORDER: KEVIN BILLINGS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -PIGMENT,-MINIMAL -B-ADENOMA,-NEOPLASM PRESENT
	TESTIS (TE) : -CONTAINS FLUID; RIGHT: CLEAR AND SOFT	TESTIS (TE) : -ATROPHY/DEGENERATION,-SEVERE >NOTE:>UNILATERAL
		THYMUS (TH) : >SECTION EXAMINED; TISSUE NOT PRESENT
		HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
	MUSCLE, SKELETAL (SM) : -MASS(ES); RIGHT LATERAL MANDIBLE, NEAR BASE OF PINNA: SINGLE MASS, 17 MM IN DIAMETER, TAN AND FIRM; ON SECTION EXUDES A TAN, CASEOUS MATERIAL; COLLECTED INTACT; REGIONAL LN (MANDIBULAR) NORMAL (CAP 22)	MUSCLE, SKELETAL (SM) : >UNREMARKABLE >NOTE:>SEE AUDITORY SEBACEOUS GLAND FOR DIAGNOSIS
	PITUITARY (PI) : -MASS(ES); 10 MM IN DIAMETER, DARK RED, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
	PROSTATE (PR) : -NODULAR; PROXIMAL SURROUNDING URETHRA: GREEN AND FIRM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
		EPIDIDYMIDES (EP) : -HYPOSPERMIA,-PRESENT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92635 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/20/99 STUDY DAY OF DEATH: 549 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 481.8 GRAMS
DATE AND TIME OF NECROPSY: 10/20/99 10:50 PROSECTOR: JARED FISHEL RECORDER: KEVIN BILLINGS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LN, MANDIBULAR (MN) :
		-HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT
		AUDITORY SEB GL (AS) :
		-M-CARCINOMA,-NEOPLASM PRESENT

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92636 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/01/00 STUDY DAY OF DEATH: 682 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/01/00 14:29 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; SWOLLEN; TESTES; VERIFIED AT NECROPSY: OBSERVED		BRAIN (BR) : -MINERALIZATION,-MINIMAL
>SKIN & PELAGE; SORE/SCAB; VENTRAL-ABDOMINAL-LEFT; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -MOTTLED; ALL LOBES, DIFFUSE: RED, DARK RED AND TAN	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -DEGENERATION, CYSTIC,-MINIMAL -CONGESTION,-PRESENT -HYPERPLASIA, BILE DUCT,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE PANCREAS (PA) : -INFILTRATE, EOSINOPHILIC,-MODERATE -FIBROSIS,-SEVERE -INFLAMMATION, GRANULOMATOUS,-MODERATELY SEVERE ADRENAL, CORTEX (AC) : -VACUOLATION, FOCAL,-MINIMAL -DEGENERATION, CYSTIC / HEMORRHAGIC,-SLIGHT
	LN, MESENTERIC (MS) : -MOTTLED; DIFFUSE: RED, TAN AND GREEN	LN, MESENTERIC (MS) : -INFILTRATE, EOSINOPHILIC,-MODERATE -INFLAMMATION, GRANULOMATOUS,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92636 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/01/00 STUDY DAY OF DEATH: 682 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/01/00 14:29 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	TESTIS (TE) : -CONTAINS FLUID; BILATERAL: CLEAR FLUID	TESTIS (TE) : -ATROPHY/DEGENERATION,-SEVERE
		MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,-MODERATE
		MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-MODERATE
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT -INFLAMMATION, GRANULOMATOUS,-SLIGHT
		LUNG (LU) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		HEART (HT) : -CARDIOMYOPATHY,-MODERATE
	PITUITARY (PI) : -CYST(S); LEFT ASPECT: SINGLE CYST, 2 X 3 MM, FILLED WITH A DARK RED FLUID	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		ILEUM (IL) : -INFILTRATE, EOSINOPHILIC,-SEVERE -INFLAMMATION, GRANULOMATOUS,-SEVERE
		COLON (CO) : >AUTOLYTIC
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
		EPIDIDYMIDES (EP) : -INFILTRATE, EOSINOPHILIC,-SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92636 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/01/00 STUDY DAY OF DEATH: 682 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/01/00 14:29 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : -INFLAMMATION / INFECTION,-PRESENT
	LN, MEDIASTINAL (ML) : -LARGE; UP TO 3 X 6 X 9 MM (CAP 26) -DIFFUSELY RED; DARK RED (CAP 26)	LN, MEDIASTINAL (ML) : -HEMORRHAGE,-PRESENT -INFLAMMATION, GRANULOMATOUS,-SEVERE -INFILTRATE, EOSINOPHILIC,-MODERATE -FIBROSIS,-MODERATE
	LN, AXILLARY (AX) : -LARGE; BILATERAL: EACH IS 3 X 5 X 8 MM (CAP 27) -DIFFUSELY RED; BILATERAL (CAP 27)	LN, AXILLARY (AX) : -HEMORRHAGE,-PRESENT -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL (CAP 25)	LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATELY SEVERE
	LN, LUMBAR/ILIAC (LM) : -LARGE; BILATERAL: EACH IS 5 X 7 X 11 MM (CAP 28) -DIFFUSELY RED; BILATERAL (CAP 28)	LN, LUMBAR/ILIAC (LM) : -LYMPHANGIECTASIS,-PRESENT -HEMORRHAGE,-PRESENT -INFLAMMATION, SUBACUTE,-SLIGHT
	PREPUTIAL GLAND (PG) : -LARGE; LEFT: 10 X 10 X 15 MM (RIGHT IS 3 X 5 X 9 MM); LEFT IS FILLED WITH A LIGHT GREEN SEMIFLUID; OVERLYING SKIN HAS A SINGLE DRY, BROWN CRUSTED AREA, 4 X 6 MM (CAP 23)	PREPUTIAL GLAND (PG) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE -ECTASIA, DUCTAL,-PRESENT
	ADIPOSE TISSUE (AT) : -THICKENED; ATTACHED TO BOTH VAS DEFERENS AND EPIDIDYMIDES: FIRM, RED, TAN AND FIBROUS (CAP 24)	ADIPOSE TISSUE (AT) : -INFILTRATE, EOSINOPHILIC,-MODERATE -INFLAMMATION, GRANULOMATOUS,-MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92636 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/01/00 STUDY DAY OF DEATH: 682 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/01/00 14:29 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MUSCLE, OTHER (MO) : -THICKENED; MUSCLE ASSOCIATED WITH SCROTUM: UP TO 4 MM THICK (CAP 22) -DIFFUSELY RED; MUSCLE ASSOCIATED WITH SCROTUM: DARK RED (CAP 22)	MUSCLE, OTHER (MO) : -INFLAMMATION, GRANULOMATOUS,-MODERATELY SEVERE -INFILTRATE, EOSINOPHILIC,-MODERATE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), CECUM (CE), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92637 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 482.3 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 9:41 PROSECTOR: GREGORY CODDINGTON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MINIMAL -NECROSIS, INDIVIDUAL HEPATOCYTE,- MINIMAL -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-SLIGHT -FIBROSIS, PERIBILIARY,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,- MODERATELY SEVERE PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-MODERATE -ATROPHY, ACINAR,-MINIMAL -INFILTRATION, FAT, INTERSTITIAL,- MINIMAL THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT -HYPERTROPHY, FOLLICULAR CELL,- MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92637 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 482.3 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 9:41 PROSECTOR: GREGORY CODDINGTON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -RAISED AREA(S); MID ANTERIOR ASPECT: SINGLE TAN AREA, 1 MM IN DIAMETER	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), LUNG (LU), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92638 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/10/00 STUDY DAY OF DEATH: 631 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: 510.5 GRAMS
DATE AND TIME OF NECROPSY: 01/10/00 14:08 PROSECTOR: JAMES T. CALLEN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -DEGENERATION, CYSTIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-MINIMAL
	KIDNEY (KD) : -ROUGH SURFACE, DIFFUSE; BILATERAL -DIFFUSELY LIGHT; BILATERAL: TAN	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SEVERE -DILATATION, PELVIC,-SLIGHT SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT
	PANCREAS (PA) : -LARGE VESSELS; DIFFUSE: UP TO 5 MM IN DIAMETER (CAP 23)	PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-MODERATE -INFLAMMATION, VASCULAR,-MODERATE ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE -PIGMENT,-SLIGHT -FIBROSIS,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92638 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/10/00 STUDY DAY OF DEATH: 631 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: 510.5 GRAMS
DATE AND TIME OF NECROPSY: 01/10/00 14:08 PROSECTOR: JAMES T. CALLEN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, MEDULLA (MA) : -HYPERPLASIA, MEDULLARY,-MODERATELY SEVERE -B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT TESTIS (TE) : -INFLAMMATION, VASCULAR,-MODERATELY SEVERE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-SLIGHT PARATHYROID (PT) : -HYPERPLASIA,-MODERATE
	PITUITARY (PI) : -MASS(ES); 11 X 9 X 7 MM; RED, TAN, VASCULAR AND FIRM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	PROSTATE (PR) : -NODULAR; TISSUE SURROUNDING URETHRA: GREEN AND FIRM	PROSTATE (PR) : >UNREMARKABLE
	SEMINAL VESICLES (SV) : -LARGE; BILATERAL: EACH IS 34 X 14 X 6 MM -GELATINOUS; BILATERAL: CLEAR AND SOFT	SEMINAL VESICLES (SV) : -SECRETION, INCREASED,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92638 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/10/00 STUDY DAY OF DEATH: 631 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: 510.5 GRAMS
DATE AND TIME OF NECROPSY: 01/10/00 14:08 PROSECTOR: JAMES T. CALLEN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		EPIDIDYMIDES (EP) : -VACUOLATION, TUBULAR EPITHELIUM,- MODERATE CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	LN, RENAL (RL) : -LARGE; BILATERAL: EACH IS 10 X 6 X 6 MM (CAP 22) -DIFFUSELY RED; BILATERAL: DARK RED	LN, RENAL (RL) : -HEMORRHAGE,-PRESENT -DILATATION, SINUSOIDAL,-SEVERE
	AORTA (AO) : -LARGE; UP TO 5 MM IN DIAMETER; COLLECTED -FIRM; ALONG ENTIRE LENGTH	AORTA (AO) : >UNREMARKABLE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92638 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/10/00 STUDY DAY OF DEATH: 631 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: 510.5 GRAMS
DATE AND TIME OF NECROPSY: 01/10/00 14:08 PROSECTOR: JAMES T. CALLEN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92639 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/29/99 STUDY DAY OF DEATH: 589 STUDY WEEK OF DEATH: 85 TERMINAL BODY WEIGHT: 486.0 GRAMS
DATE AND TIME OF NECROPSY: 11/29/99 15:10 PROSECTOR: JODI THIEREN RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
-HEMORRHAGE,-MINIMAL
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-MINERALIZATION, PELVIC,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-MODERATE
-INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE
PITUITARY (PI) :
-B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92639 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/29/99 STUDY DAY OF DEATH: 589 STUDY WEEK OF DEATH: 85 TERMINAL BODY WEIGHT: 486.0 GRAMS
DATE AND TIME OF NECROPSY: 11/29/99 15:10 PROSECTOR: JODI THIEREN RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 14 X 8 X 7 MM, RED, DARK RED, GRAY, TAN, LOBULATED AND FIRM	
		JEJUNUM (JE) : >TISSUE MISSING
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92639 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/29/99 STUDY DAY OF DEATH: 589 STUDY WEEK OF DEATH: 85 TERMINAL BODY WEIGHT: 486.0 GRAMS
DATE AND TIME OF NECROPSY: 11/29/99 15:10 PROSECTOR: JODI THIEREN RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92640 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 388.9 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 13:27 PROSECTOR: JOHN S. HALFORD RECORDER: MATTHEW AXTMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0426	.0110 %	.0175	WEIGHT TAKEN
RT ADRENAL (AD1)	.0356	.0092 %	.0146	WEIGHT TAKEN
BRAIN (BR)	2.4406	.6276 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.9384	.4984 %	.7942	WEIGHT TAKEN
RT KIDNEY (KD1)	1.9241	.4948 %	.7884	WEIGHT TAKEN
LIVER (LI)	12.6645	3.2565 %	5.1891	WEIGHT TAKEN
LUNG (LU)	1.8519	.4762 %	.7588	WEIGHT TAKEN
SPLEEN (SP)	.8027	.2064 %	.3289	WEIGHT TAKEN
LF TESTIS (TE0)	1.7129	.4404 %	.7018	WEIGHT TAKEN
RT TESTIS (TE1)	1.6810	.4322 %	.6888	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0298	.0077 %	.0122	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0134	.0034 %	.0055	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

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

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
KIDNEY (KD) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MINIMAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92640 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 388.9 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 13:27 PROSECTOR: JOHN S. HALFORD RECORDER: MATTHEW AXTMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92641 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 613.4 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 13:05 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; MISSING; TEETH; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 5 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS PITUITARY (PI) : -MASS(ES); 9 X 7 X 6 MM, RED, DARK RED, SOFT	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -MINERALIZATION,-MINIMAL LIVER (LI) : -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MINIMAL -ANGIECTASIS,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT -MINERALIZATION, PELVIC,-SLIGHT -INFLAMMATION, CHRONIC-ACTIVE, PELVIC,-MODERATE PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-MODERATELY SEVERE -INFILTRATION, FAT, INTERSTITIAL,-MODERATELY SEVERE PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT URINARY BLADDER (UB) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92641 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 613.4 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 13:05 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		URINARY BLADDER (UB) : -HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -MALOCCLUSION; BILATERAL UPPER INCISORS -TEETH MISSING/BROKEN/WORN; BILATERAL UPPER INCISORS: BROKEN OFF AT BASE	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92641 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 613.4 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 13:05 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), LUNG (LU), THYROID (TY), PARATHYROID (PT)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92642 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 799.6 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 13:32 PROSECTOR: JERALD W. JOHNSON RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LIVER (LI) : -RED FOCUS(I)/AREA(S); LEFT LATERAL LOBE: MULTIPLE DARK RED AREAS, UP TO 2 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION PANCREAS (PA) : -MASS(ES); NEAR DUODENUM: SINGLE MASS, 8 MM IN DIAMETER, RED, TAN, AND FIRM; SAME ON CUT SURFACE (CAP 22); REGIONAL LN (SEE PANCREATIC)	BRAIN (BR) : >UNREMARKABLE LIVER (LI) : -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MODERATE -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -DEGENERATION, CYSTIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-MODERATE -FIBROSIS, PERIBILIARY,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT PANCREAS (PA) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL -M-CARCINOMA, ISLET CELL,-NEOPLASM PRESENT -INFILTRATION, FAT, INTERSTITIAL,-SLIGHT LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92642 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 799.6 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 13:32 PROSECTOR: JERALD W. JOHNSON RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -LARGE; 5 X 4 X 3 MM; APPEARS SWOLLEN -DARK FOCUS(I)/AREA(S); LEFT POSTERIOR ASPECT: SINGLE DARK BROWN AREA, 3 X 2 MM	PITUITARY (PI) : -HYPERPLASIA,-SLIGHT -CYST,-PRESENT
		URINARY BLADDER (UB) : -PROTEINACEOUS MATERIAL, LUMINAL,-PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	PREPUTIAL GLAND (PG) : -LARGE; RIGHT: 8 X 7 X 7 MM (LEFT IS 8 X 6 X 2 MM); RIGHT CONTAINS A GREEN SEMISOLID (CAP 24)	PREPUTIAL GLAND (PG) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE -ECTASIA, DUCTAL,-PRESENT
	LN, ANT MES/PANC (AP) : -DIFFUSELY RED; DARK RED (CAP 23)	LN, ANT MES/PANC (AP) : -HEMORRHAGE,-PRESENT -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT -INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -ANIMAL OBESE	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92642 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 799.6 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 13:32 PROSECTOR: JERALD W. JOHNSON RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), PARATHYROID (PT)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92643 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 714.4 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 9:47 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-THORACIC-RIGHT; WEEK 101; 60 X 60MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SEVERE -DEGENERATION, CYSTIC,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-MODERATE LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERPLASIA, TYPE II PNEUMOCYTE,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-SLIGHT
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); DIFFUSE: MULTIPLE DARK RED AREAS, UP TO 3 X 1 MM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		SKIN (SK) : -B-FIBROMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92643 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 714.4 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 9:47 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT LN, AXILLARY (AX) : -HEMORRHAGE,-PRESENT -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE
	MAMMARY, MALE (MM) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 80 X 65 X 30 MM, RED, DARK RED, TAN, AND FIRM; SAME ON CUT SURFACE; PORTION COLLECTED; REGIONAL LN (AXILLARY) RIGHT NOT IDENTIFIED, LEFT IS NORMAL (CAP 22) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	MAMMARY, MALE (MM) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL >NOTE:>SEE SKIN FOR DIAGNOSIS OF MASS

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92643 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 714.4 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 9:47 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92644 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 658.3 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 13:01 PROSECTOR: TONY HANFELD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); DORSAL; WEEK 104; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL -FIBROSIS, PERIBILIARY,-MINIMAL
	KIDNEY (KD) : -CYST(S); LEFT WITHIN CORTEX: SINGLE CLEAR FLUID FILLED CYST, 4 X 5 MM	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE -M-RENAL MESENCHYMAL TUMOR,-NEOPLASM PRESENT
		PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-MODERATE
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); RIGHT ANTERIOR ASPECT: SINGLE DARK RED AREA, 3 X 1 MM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	SKIN (SK) : -RAISED FOCUS(I)/AREA(S); LUMBAR REGION: SINGLE DARK RED AND TAN RAISED AREA, 10 X 10 X 6 MM (CAP 22); POSSIBLY CONSISTENT WITH MASS (DORSAL) AS NOTED IN CLINICAL OBSERVATIONS	SKIN (SK) : -B-ADENOMA, BASAL CELL/SQUAMOUS/SEBACEOUS,-NEOPLASM PRESENT
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92644 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 658.3 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 13:01 PROSECTOR: TONY HANFELD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PROSTATE (PR) : -NODULAR; SURROUNDING URETHRA: BROWN, GREEN, AND FIRM	
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -GI TRACT-DARK FLUID CONTENT; ILEUM AND CECUM: DARK GREEN SEMIFLUID	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92644 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 658.3 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 13:01 PROSECTOR: TONY HANFELD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), LUNG (LU), THYROID (TY), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92645 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 474.7 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 13:40 PROSECTOR: DONIA MEYER RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0336	.0071 %	.0153	WEIGHT TAKEN
RT ADRENAL (AD1)	.0367	.0077 %	.0167	WEIGHT TAKEN
BRAIN (BR)	2.1979	.4630 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	2.1058	.4436 %	.9581	WEIGHT TAKEN
RT KIDNEY (KD1)	2.1132	.4452 %	.9615	WEIGHT TAKEN
LIVER (LI)	16.1865	3.4098 %	7.3645	WEIGHT TAKEN
LUNG (LU)	1.8951	.3992 %	.8622	WEIGHT TAKEN
SPLEEN (SP)	.8506	.1792 %	.3870	WEIGHT TAKEN
LF TESTIS (TE0)	1.7410	.3668 %	.7921	WEIGHT TAKEN
RT TESTIS (TE1)	1.7661	.3720 %	.8035	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0117	.0025 %	.0053	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0131	.0028 %	.0060	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

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

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-VACUOLATION, HEPATOCELLULAR,
PERIPORTAL,-MINIMAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92645 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 474.7 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 13:40 PROSECTOR: DONIA MEYER RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92646 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 341.6 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 11:56 PROSECTOR: JODI THIEREN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LF KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	12.3520	3.6159 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN

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

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92646 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 341.6 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 11:56 PROSECTOR: JODI THIEREN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE),
BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM),
NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI),
HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE),
ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR),
SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN),
LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI),
LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP),
AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT),
DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO),
PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS),
BILE DUCT (BD), TRIGEMINAL NERVE (TG)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92647 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/28/99 STUDY DAY OF DEATH: 557 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: 558.5 GRAMS
DATE AND TIME OF NECROPSY: 10/28/99 9:52 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : >UNREMARKABLE
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) : -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MODERATE -HYPERPLASIA, BILE DUCT,-SLIGHT
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE		SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT
		PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-MODERATE
		ADRENAL, CORTEX (AC) : -PIGMENT,-SLIGHT
	TESTIS (TE) : -SMALL; BILATERAL: EACH IS 18 X 11 X 6 MM; BOTH ARE SOFT	TESTIS (TE) : >UNREMARKABLE
		MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-MODERATE
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92647 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/28/99 STUDY DAY OF DEATH: 557 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: 558.5 GRAMS
DATE AND TIME OF NECROPSY: 10/28/99 9:52 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MUSCLE, SKELETAL (SM) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 7 MM IN DIAMETER, DARK RED, TAN, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
	STOMACH, GL (ST) : -EROSION/ULCERATION; MUCOSA: MULTIPLE TAN ERODED AREAS, UP TO 4 MM IN DIAMETER	STOMACH, GL (ST) : -INFLAMMATION, ACUTE,-MINIMAL
		STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-MODERATE -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
	PROSTATE (PR) : -SMALL; 17 X 8 X 4 MM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
	SEMINAL VESICLES (SV) : -SMALL; BILATERAL: EACH IS 13 X 6 X 2 MM	SEMINAL VESICLES (SV) : -ATROPHY,-SEVERE
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -STAINS-PERINEUM/PERIANAL; MOIST YELLOW AND BROWN MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92647 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/28/99 STUDY DAY OF DEATH: 557 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: 558.5 GRAMS
DATE AND TIME OF NECROPSY: 10/28/99 9:52 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92648 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/15/99 STUDY DAY OF DEATH: 605 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: 411.7 GRAMS
DATE AND TIME OF NECROPSY: 12/15/99 14:08 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

LIVER (LI) :
-LIGHT FOCUS(I)/AREA(S); VISCERAL SURFACE OF RIGHT MEDIAN LOBE, ALONG MARGIN: SINGLE TAN AREA, 4 X 3 MM; COLLECTED ON ROUTINE SECTION

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL
-HYPERPLASIA, BILE DUCT,-SLIGHT
-FIBROSIS, PERIBILIARY,-MINIMAL
-VACUOLATION, HEPATOCELLULAR,-MODERATE
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT
-INFLAMMATION, CHRONIC-ACTIVE, PELVIC,-SLIGHT
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT
PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-MODERATE
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
-INFILTRATION, FAT, INTERSTITIAL,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92648 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/15/99 STUDY DAY OF DEATH: 605 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: 411.7 GRAMS
DATE AND TIME OF NECROPSY: 12/15/99 14:08 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-MINIMAL -PIGMENT,-MINIMAL
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SEVERE
		HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 10 X 10 X 9 MM, DARK RED AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
	STOMACH, GL (ST) : -THICKENED WALL; MUCOSA, DIFFUSE	STOMACH, GL (ST) : -HYPERPLASIA, EPITHELIAL, GLANDULAR,-MODERATE
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: MULTIPLE TAN AND BROWN ERODED AREAS, UP TO 8 X 5 MM -THICKENED WALL; MUCOSA, DIFFUSE	STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-MODERATELY SEVERE -ULCERATION,-MODERATE -INFLAMMATION, CHRONIC-ACTIVE,-SEVERE
	PROSTATE (PR) : -LARGE; 30 X 20 X 12 MM -GELATINOUS; CLEAR AND SOFT	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
	SEMINAL VESICLES (SV) : -LARGE; BILATERAL: EACH IS 36 X 15 X 11 MM	SEMINAL VESICLES (SV) : -SECRETION, INCREASED,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92648 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/15/99 STUDY DAY OF DEATH: 605 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: 411.7 GRAMS
DATE AND TIME OF NECROPSY: 12/15/99 14:08 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-NEOPLASM, PITUITARY,-PRESENT

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-ANIMAL THIN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92649 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 682.8 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 13:28 PROSECTOR: TROY ELLENBECKER RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -LIGHT FOCUS(I)/AREA(S); AT JUNCTION OF MEDIAN LOBES: SINGLE TAN AREA, 6 X 4 MM; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SEVERE -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -DEGENERATION, CYSTIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL -LIPIDOSIS, SUBCAPSULAR (TENSION LIPIDOSIS),-MODERATE KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-SLIGHT URINARY BLADDER (UB) : -PROTEINACEOUS MATERIAL, LUMINAL,-PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92649 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 682.8 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 13:28 PROSECTOR: TROY ELLENBECKER RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), LUNG (LU), PARATHYROID (PT)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92650 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 295.5 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 11:49 PROSECTOR: JODI THIEREN RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LF KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	12.2299	4.1391 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN

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

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92650 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 295.5 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 11:49 PROSECTOR: JODI THIEREN RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE),
BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM),
NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI),
HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE),
ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR),
SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN),
LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI),
LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP),
AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT),
DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO),
PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS),
BILE DUCT (BD), TRIGEMINAL NERVE (TG)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92651 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/01/99 STUDY DAY OF DEATH: 561 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 375.1 GRAMS
DATE AND TIME OF NECROPSY: 11/01/99 13:35 PROSECTOR: JOHN S. HALFORD RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; SWOLLEN; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>APPEARANCE; SWOLLEN; TAIL-PROXIMAL; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-DILATATION, VENTRICULAR,-PRESENT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		-COMPRESSION, VENTRAL,-PRESENT
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) :
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE		-HYPERPLASIA, BILE DUCT,-SLIGHT
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		-FIBROSIS, PERIBILIARY,-MINIMAL
		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT
		SPLEEN (SP) :
		-PIGMENT, INCREASED,-MODERATE
		PANCREAS (PA) :
		-ZYMOGEN GRANULES, DECREASED,-MODERATE
		-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
		-HYPERPLASIA, ISLET CELLS,-MINIMAL
		ADRENAL, CORTEX (AC) :
		-VACUOLATION, FOCAL,-MINIMAL
		-ANGIECTASIS,-MINIMAL
	LN, MESENTERIC (MS) :	LN, MESENTERIC (MS) :
	-SMALL; UP TO 2 MM IN DIAMETER	>UNREMARKABLE
	THYMUS (TH) :	THYMUS (TH) :
	-MISSING/NOT IDENTIFIED; NOT POSITIVELY IDENTIFIED; POSSIBLE REMNANTS COLLECTED	-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92651 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/01/99 STUDY DAY OF DEATH: 561 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 375.1 GRAMS
DATE AND TIME OF NECROPSY: 11/01/99 13:35 PROSECTOR: JOHN S. HALFORD RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 13 X 11 X 8 MM, RED, DARK RED, GRAY, TAN, LOBULATED, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
	STOMACH, GL (ST) : -EROSION/ULCERATION; MUCOSA: MULTIPLE TAN AND BROWN SLIGHTLY ERODED AREAS, UP TO 3 X 2 MM	STOMACH, GL (ST) : >UNREMARKABLE
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
	SEMINAL VESICLES (SV) : -LARGE; BILATERAL: EACH IS 31 X 21 X 6 MM; BOTH APPEAR GELATINOUS	SEMINAL VESICLES (SV) : -SECRETION, INCREASED,-PRESENT
		EPIDIDYMIDES (EP) : >UNREMARKABLE >NOTE:>VAS DEFERENS - UNREMARKABLE
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
		MAMMARY, MALE (MM) : -GALACTOCELE,-PRESENT
	TAIL (TI) : -LARGE; AT BASE: UP TO 15 MM IN DIAMETER; APPEARS FIRM AND RIGID; PORTION COLLECTED	TAIL (TI) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL
		LN, LUMBAR/ILIAC (LM) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92651 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/01/99 STUDY DAY OF DEATH: 561 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 375.1 GRAMS
DATE AND TIME OF NECROPSY: 11/01/99 13:35 PROSECTOR: JOHN S. HALFORD RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAVITY, ABDOM (PC) : -INFLAMMATION / NECROSIS, FAT,-MODERATE >NOTE:>GROSS RECORDED UNDER ADIPOSE TISSUE
	JOINT, OTHER (JT) : -LARGE; RIGHT, TARSAL: 15 X 11 X 11 MM (LEFT IS 10 X 9 X 8 MM); BOTH COLLECTED	JOINT, OTHER (JT) : -INFLAMMATION, CHRONIC-ACTIVE,-SEVERE
	ADIPOSE TISSUE (AT) : -MASS(ES); TISSUE SURROUNDING LEFT VAS DEFERENS: SINGLE FIRM AND YELLOW MASS, 17 X 8 X 3 MM; ON SECTION, EXUDES A YELLOW CASEOUS SEMIFLUID MATERIAL (CAP 22); REGIONAL LN (LUMBAR) NORMAL (CAP 23)	ADIPOSE TISSUE (AT) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL
	VAS DEFERENS (VS) : -LARGE; BILATERAL: EACH IS UP TO 5 MM IN DIAMETER; BOTH APPEAR SOFT AND GELATINOUS (CAP 24)	VAS DEFERENS (VS) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92651 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/01/99 STUDY DAY OF DEATH: 561 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 375.1 GRAMS
DATE AND TIME OF NECROPSY: 11/01/99 13:35 PROSECTOR: JOHN S. HALFORD RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), URETER (UE), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92652 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 292.4 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 11:31 PROSECTOR: LYNN HORNER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LF KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	11.5416	3.9468 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN

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

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92652 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 292.4 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 11:31 PROSECTOR: LYNN HORNER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE),
BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM),
NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI),
HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE),
ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR),
SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN),
LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI),
LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP),
AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT),
DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO),
PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS),
BILE DUCT (BD), TRIGEMINAL NERVE (TG)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92653 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 771.5 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 11:24 PROSECTOR: STEVE VAN ADESTINE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS KIDNEY (KD) : -ROUGH SURFACE, DIFFUSE; BILATERAL -DIFFUSELY LIGHT; BILATERAL: TAN TESTIS (TE) : -SMALL; LEFT: 17 X 12 X 8 MM (RIGHT IS 22 X 14 X 10 MM)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -DEGENERATION, CYSTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATELY SEVERE PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-MODERATE -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL TESTIS (TE) : -ATROPHY/DEGENERATION,-SLIGHT -INFLAMMATION, VASCULAR,-MODERATE THYROID (TY) : -DILATATION / CYST, FOLLICULAR,-PRESENT -B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92653 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 771.5 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 11:24 PROSECTOR: STEVE VAN ADESTINE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 8 MM IN DIAMETER, RED, GRAY, AND SOFT PROSTATE (PR) : -NODULAR; PROXIMAL SURROUNDING URETHRA: GREEN AND FIRM SEMINAL VESICLES (SV) : -GELATINOUS; BILATERAL: YELLOW AND CLEAR GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL SEMINAL VESICLES (SV) : >UNREMARKABLE CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92653 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 771.5 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 11:24 PROSECTOR: STEVE VAN ADESTINE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92654 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/20/99 STUDY DAY OF DEATH: 549 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 517.1 GRAMS
DATE AND TIME OF NECROPSY: 10/20/99 10:12 PROSECTOR: JARED FISHEL RECORDER: KEVIN BILLINGS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>EYES; OPAQUE; EYE-LEFT; VERIFIED AT NECROPSY: OBSERVED
>EYES; SCAB; EYE-LEFT; VERIFIED AT NECROPSY: NOT OBSERVED
>EYES; PROTRUDING; EYE-LEFT; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

EYE (EY) :
-OPAQUE CORNEA; LEFT
-PROTRUDING; LEFT
-LARGE; LEFT: 9 MM IN DIAMETER (RIGHT IS 6 MM IN DIAMETER)

HISTOPATHOLOGY

EYE (EY) :
-I-NEUROFIBROSARCOMA,-NEOPLASM PRESENT

BRAIN (BR) :
-M-NEUROFIBROSARCOMA,-NEOPLASM PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL
-DEGENERATION, CYSTIC,-MINIMAL
-HYPERPLASIA, BILE DUCT,-MINIMAL
-VACUOLATION, HEPATOCELLULAR,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-DILATATION, PELVIC,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MINIMAL
PANCREAS (PA) :
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
ADRENAL, CORTEX (AC) :
-HYPERTROPHY, CORTICAL CELL,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92654 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/20/99 STUDY DAY OF DEATH: 549 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 517.1 GRAMS
DATE AND TIME OF NECROPSY: 10/20/99 10:12 PROSECTOR: JARED FISHEL RECORDER: KEVIN BILLINGS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC / HEMORRHAGIC,-MINIMAL MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,-SLIGHT THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE PITUITARY (PI) : -HYPERPLASIA,-SLIGHT -CYST,-PRESENT
	HARDERIAN GLAND (HG) : -MISSING/NOT IDENTIFIED; BILATERAL: NOT POSITIVELY IDENTIFIED DUE TO CALVARIUM MASS; POSSIBLE REMNANTS COLLECTED	HARDERIAN GLAND (HG) : >TISSUE MISSING
		STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-MODERATE -ULCERATION,-MINIMAL -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL CAUSE OF DEATH (CD) : -NEOPLASM, BRAIN,-PRESENT
	LN, MANDIBULAR (MN) : -LARGE; LEFT: UP TO 12 X 8 X 4 MM (RIGHT IS UP TO 6 X 4 X 2 MM); COLLECTED	LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE -LYMPHANGIECTASIS,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92654 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/20/99 STUDY DAY OF DEATH: 549 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 517.1 GRAMS
DATE AND TIME OF NECROPSY: 10/20/99 10:12 PROSECTOR: JARED FISHEL RECORDER: KEVIN BILLINGS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	CALVARIUM/SKULL (CA) : -MASS(ES); BILATERAL ORBITS, EXTENDING INTO CRANIAL VAULT: SINGLE MASS, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; LEFT: DARK RED AND DRY MATERIAL	CALVARIUM/SKULL (CA) : -I-SARCOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92654 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/20/99 STUDY DAY OF DEATH: 549 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 517.1 GRAMS
DATE AND TIME OF NECROPSY: 10/20/99 10:12 PROSECTOR: JARED FISHEL RECORDER: KEVIN BILLINGS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92655 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/01/00 STUDY DAY OF DEATH: 653 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 669.9 GRAMS
DATE AND TIME OF NECROPSY: 02/01/00 11:19 PROSECTOR: STEVE VAN ADESTINE RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); TAIL-MID; WEEK 85; 20 X 25MM; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; SORE/SCAB; TAIL-MID; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LIVER (LI) : -DIFFUSELY LIGHT; ALL LOBES: TAN	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -DEGENERATION, CYSTIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE ADRENAL, CORTEX (AC) : -PIGMENT,-MINIMAL ADRENAL, MEDULLA (MA) : -HYPERPLASIA, MEDULLARY,-SLIGHT MARROW, FEMUR (FM) : -HYPERPLASIA, ERYTHROID, MARROW,-MODERATE MARROW, STERNUM (SE) : -HYPERPLASIA, ERYTHROID, MARROW,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92655 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/01/00 STUDY DAY OF DEATH: 653 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 669.9 GRAMS
DATE AND TIME OF NECROPSY: 02/01/00 11:19 PROSECTOR: STEVE VAN ADESTINE RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL -INFLAMMATION, GRANULOMATOUS,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 7 X 5 X 5 MM, RED, DARK RED, TAN, LOBULATED, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		STOMACH, GL (ST) : -HYPERPLASIA, EPITHELIAL, GLANDULAR,-MODERATE PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT CAUSE OF DEATH (CD) : -NEOPLASM, SKIN/MUSCLE/SUBCUTIS,-PRESENT TAIL (TI) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE -ULCERATION,-MODERATELY SEVERE -M-NEUROFIBROSARCOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92655 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/01/00 STUDY DAY OF DEATH: 653 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 669.9 GRAMS
DATE AND TIME OF NECROPSY: 02/01/00 11:19 PROSECTOR: STEVE VAN ADESTINE RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	TAIL (TI) : -MASS(ES); 35 MM FROM BASE: SINGLE MASS, 35 X 32 X 20 MM, RED, DARK RED, TAN, AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (LUMBAR) NORMAL (CAP 22); OVERLYING SKIN HAS A SINGLE, DARK RED ULCERATED AREA, 20 MM IN DIAMETER; COLLECTED INTACT WITH MASS	
		LN, LUMBAR/ILIAC (LM) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92655 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/01/00 STUDY DAY OF DEATH: 653 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 669.9 GRAMS
DATE AND TIME OF NECROPSY: 02/01/00 11:19 PROSECTOR: STEVE VAN ADESTINE RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92656 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/21/00 STUDY DAY OF DEATH: 673 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 462.2 GRAMS
DATE AND TIME OF NECROPSY: 02/21/00 13:57 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; DORSAL-THORACIC; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -DEGENERATION, CYSTIC,-MINIMAL -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL -FIBROSIS, PERIBILIARY,-SLIGHT
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		
>SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE	KIDNEY (KD) : -CYST(S); BILATERAL, CORTICAL SURFACE: MULTIPLE PINPOINT, CLEAR FLUID FILLED CYSTS -ROUGH SURFACE, DIFFUSE; BILATERAL -DIFFUSELY LIGHT; BILATERAL: TAN	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SEVERE -INFLAMMATION, SUPPURATIVE, PELVIC,-MINIMAL -THROMBUS,-PRESENT
		SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE
		PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-MODERATELY SEVERE -ATROPHY, ACINAR,-MINIMAL -INFLAMMATION, VASCULAR,-MODERATE
		ADRENAL, CORTEX (AC) : -VACUOLATION, FOCAL,-MINIMAL -HYPERPLASIA, CORTICAL,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92656 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/21/00 STUDY DAY OF DEATH: 673 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 462.2 GRAMS
DATE AND TIME OF NECROPSY: 02/21/00 13:57 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, MEDULLA (MA) : -HYPERPLASIA, MEDULLARY,-SLIGHT
		LN, MESENTERIC (MS) : -MINERALIZATION, VASCULAR,-SLIGHT
	TESTIS (TE) : -SMALL; BILATERAL: EACH IS 20 X 10 X 5 MM	TESTIS (TE) : -ATROPHY/DEGENERATION,-MINIMAL -INFLAMMATION, VASCULAR,-SLIGHT
		BONE, FEMUR (FE) : -OSTEODYSTROPHY, FIBROUS,-SLIGHT
		BONE, STERNUM (SB) : -OSTEODYSTROPHY, FIBROUS,-MINIMAL
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE
		LUNG (LU) : -MINERALIZATION, SEPTAL,-SLIGHT
	HEART (HT) : -LIGHT FOCUS(I)/AREA(S); EPICARDIUM OF BOTH VENTRICLES: MULTIPLE TAN, INDISTINCT AREAS	HEART (HT) : -CARDIOMYOPATHY,-MODERATELY SEVERE -MINERALIZATION, VASCULAR,-SEVERE
		THYROID (TY) : -B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT
	PARATHYROID (PT) : -LARGE; BILATERAL: EACH IS 2 MM IN DIAMETER	PARATHYROID (PT) : -HYPERPLASIA,-SEVERE
		PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92656 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/21/00 STUDY DAY OF DEATH: 673 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 462.2 GRAMS
DATE AND TIME OF NECROPSY: 02/21/00 13:57 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 10 X 8 X 8 MM, RED, GRAY, TAN, AND SOFT	
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE BROWN AREAS, UP TO 3 X 2 MM -THICKENED WALL; DIFFUSE	STOMACH, GL (ST) : -MINERALIZATION, GLANDULAR MUCOSA,-SLIGHT
	SKIN (SK) : -CRUSTED AREA(S); LEFT DORSAL THORACIC REGION: SINGLE TAN, LOBULATED CRUSTED AREA, 18 X 10 MM (CAP 25)	SKIN (SK) : -B-KERATOACANTHOMA,-NEOPLASM PRESENT
		URINARY BLADDER (UB) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
	PROSTATE (PR) : -NODULAR; DIFFUSE: GREEN AND FIRM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SEVERE
		SEMINAL VESICLES (SV) : -SECRETION, DECREASED,-PRESENT
		EPIDIDYMIDES (EP) : -IMMATURE SPERM FORMS,-MINIMAL
		CAUSE OF DEATH (CD) : -NEPHROPATHY,-PRESENT
	MAMMARY, MALE (MM) : -CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE TAN, CREAMY SEMIFLUID FILLED CYSTS, UP TO 5 MM IN DIAMETER (CAP 22)	MAMMARY, MALE (MM) : -HYPERPLASIA, CYSTIC,-MODERATE -GALACTOCELE,-PRESENT
	AORTA (AO) : -LARGE; DIFFUSE: UP TO 8 MM IN DIAMETER; COLLECTED -FIRM; DIFFUSE	AORTA (AO) : -MINERALIZATION,-MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92656 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/21/00 STUDY DAY OF DEATH: 673 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 462.2 GRAMS
DATE AND TIME OF NECROPSY: 02/21/00 13:57 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	ARTERY, OTHER (AU) : -LARGE; BILATERAL, CAROTID: EACH IS UP TO 3 MM IN DIAMETER AND BOTH ARE FIRM (CAP 23)	ARTERY, OTHER (AU) : -MINERALIZATION,-MODERATELY SEVERE
	AORTIC ARCH (AA) : -LARGE; UP TO 10 MM IN DIAMETER AND FIRM (CAP 24)	AORTIC ARCH (AA) : -MINERALIZATION,-MODERATELY SEVERE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92656 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/21/00 STUDY DAY OF DEATH: 673 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 462.2 GRAMS
DATE AND TIME OF NECROPSY: 02/21/00 13:57 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), MARROW, FEMUR (FM), MARROW, STERNUM (SE), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92657 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 785.8 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 8:39 PROSECTOR: DAVID SCHUETTE RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>WART LIKE LESION(S); SHOULDER-LEFT; WEEK 90; VERIFIED AT NECROPSY: NOT OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT -MINERALIZATION, PELVIC,-MODERATE PANCREAS (PA) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL -INFILTRATION, FAT, INTERSTITIAL,-SLIGHT LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL THYROID (TY) : -DILATATION / CYST, FOLLICULAR,-PRESENT
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); LEFT ASPECT: SINGLE DARK RED AREA, 3 MM IN DIAMETER	PITUITARY (PI) : -HYPERPLASIA,-MODERATE SKIN (SK) : -B-KERATOACANTHOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92657 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 785.8 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 8:39 PROSECTOR: DAVID SCHUETTE RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	SKIN (SK) : -MASS(ES); LEFT LATERAL THORACIC REGION: SINGLE MASS, 12 X 12 X 10 MM, TAN AND HARD; SAME ON CUT SURFACE; OVERLYING SKIN HAS A SINGLE DRY, TAN, CRUSTED, ULCERATED AREA, 10 MM IN DIAMETER (CAP 22); REGIONAL LN (AXILLARY) NORMAL (CAP 23)	
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92657 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 785.8 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 8:39 PROSECTOR: DAVID SCHUETTE RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92658 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 02/01/00 STUDY DAY OF DEATH: 653 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 02/01/00 14:40 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EYES; RED DISCHARGE; EYE-RIGHT; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : >UNREMARKABLE LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -DEGENERATION, CYSTIC,-SLIGHT -HYPERPLASIA, BILE DUCT,-SLIGHT -FIBROSIS, PERIBILIARY,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-MODERATELY SEVERE -ATROPHY, ACINAR,-MINIMAL ADRENAL, CORTEX (AC) : -VACUOLATION, FOCAL,-SLIGHT -PIGMENT,-MINIMAL -NECROSIS, FOCAL,-MINIMAL THYMUS (TH) : >SECTION EXAMINED; TISSUE NOT PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92658 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 02/01/00 STUDY DAY OF DEATH: 653 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 02/01/00 14:40 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		HEART (HT) : -CARDIOMYOPATHY,-MINIMAL MUSCLE, SKELETAL (SM) : -ATROPHY,-SLIGHT
	PITUITARY (PI) : -MASS(ES); 6 X 6 X 3 MM, RED, DARK RED, GREY AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		ILEUM (IL) : >AUTOLYTIC CECUM (CE) : >AUTOLYTIC PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL CAUSE OF DEATH (CD) : -UNDETERMINED MICROSCOPICALLY,-PRESENT
	GENERAL COMMENT (GC) : -DISCHARGE-OCULAR; BILATERAL: LEFT IS RED, RIGHT IS RED AND BROWN -ANIMAL OBESE	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92658 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 02/01/00 STUDY DAY OF DEATH: 653 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 02/01/00 14:40 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92659 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 705.8 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 10:04 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; SWOLLEN; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: NOT OBSERVED	LIVER (LI) : -LIGHT FOCUS(I)/AREA(S); AT BIFURCATION OF RIGHT AND LEFT MEDIAN LOBE: SINGLE TAN AREA, 4 X 3 MM (CAP 22)	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MINIMAL -VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-SLIGHT -DEGENERATION, CYSTIC,-MINIMAL -LIPIDOSIS, SUBCAPSULAR (TENSION LIPIDOSIS),-SEVERE KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-SLIGHT -HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT PANCREAS (PA) : -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT -INFILTRATION, FAT, INTERSTITIAL,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92659 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 705.8 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 10:04 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		TESTIS (TE) : -ATROPHY/DEGENERATION,-SEVERE LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL
	PITUITARY (PI) : -RAISED AREA(S); LEFT POSTERIOR ASPECT: SINGLE DARK RED AREA, 2 MM IN DIAMETER	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT -HYPERPLASIA,-MODERATE
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	JOINT, OTHER (JT) : -LARGE; LEFT TARSAL JOINT: 15 MM IN DIAMETER (RIGHT IS 9 MM IN DIAMETER); COLLECTED	JOINT, OTHER (JT) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92659 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 705.8 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 10:04 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
THYROID (TY), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92660 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 659.1 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 12:46 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 2 MM IN DIAMETER, COLLECTED ON ROUTINE SECTIONS PITUITARY (PI) : -MASS(ES); 8 X 7 X 5 MM, RED, DARK RED, TAN, AND SOFT GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92660 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 659.1 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 12:46 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), TESTIS (TE), LUNG (LU), THYROID (TY), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92661 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/03/00 STUDY DAY OF DEATH: 624 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: 376.6 GRAMS
DATE AND TIME OF NECROPSY: 01/03/00 14:05 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE		EYE (EY) : -DYSTROPHY, CORNEAL IN EARLY STAGES, CONSISTS PRIMARILY OF FOCAL MINERALIZATION,-SLIGHT
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -MINERALIZATION,-MINIMAL
	LIVER (LI) : -MASS(ES); RIGHT LATERAL LOBE: SINGLE PEDUNCULATED MASS, 40 X 20 X 10 MM, DARK RED, BROWN, TAN, AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (SEE HEPATIC) -DIFFUSELY LIGHT; ALL LOBES: TAN	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-SLIGHT -VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR,-SLIGHT -NECROSIS, COAGULATIVE,-MODERATE -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL -HYPERPLASIA, BILE DUCT,-MODERATE -FIBROSIS, PERIBILIARY,-SLIGHT -HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-MODERATE -INFILTRATE, MACROPHAGE, PIGMENTED,-MODERATE -HEMORRHAGE,-PRESENT -B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT
	KIDNEY (KD) : -CYST(S); BILATERAL, DIFFUSE: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 3 MM IN DIAMETER	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92661 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/03/00 STUDY DAY OF DEATH: 624 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: 376.6 GRAMS
DATE AND TIME OF NECROPSY: 01/03/00 14:05 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	KIDNEY (KD) : -LARGE PELVIS(ES); BILATERAL	
		SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE PANCREAS (PA) : -INFLAMMATION, VASCULAR,-MODERATE ADRENAL, CORTEX (AC) : -VACUOLATION, FOCAL,-MINIMAL -PIGMENT,-MINIMAL ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT TESTIS (TE) : -ATROPHY/DEGENERATION,-SLIGHT >NOTE:>UNILATERAL MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,-MODERATE MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-MODERATE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SEVERE
	LUNG (LU) : -DIFFUSELY LIGHT; ALL LOBES: LIGHT RED	LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL -MINERALIZATION, SEPTAL,-SLIGHT HEART (HT) : -CARDIOMYOPATHY,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92661 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/03/00 STUDY DAY OF DEATH: 624 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: 376.6 GRAMS
DATE AND TIME OF NECROPSY: 01/03/00 14:05 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		HEART (HT) : -MINERALIZATION, VASCULAR,-MODERATE
		PARATHYROID (PT) : -HYPERPLASIA,-SEVERE
	PITUITARY (PI) : -MASS(ES); 7 X 6 X 6 MM, TAN, DARK RED, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
	STOMACH, GL (ST) : -RED FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK RED PINPOINT FOCI, UP TO 1 MM IN DIAMETER -THICKENED WALL; DIFFUSE	STOMACH, GL (ST) : -HYPERPLASIA, EPITHELIAL, GLANDULAR,-MODERATE -MINERALIZATION, GLANDULAR MUCOSA,-MODERATELY SEVERE
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL
		CAUSE OF DEATH (CD) : -NEOPLASM, LIVER,-PRESENT
	LN, OTHER (LN) : -DIFFUSELY RED; DARK RED (CAP 22)	LN, OTHER (LN) : -HEMORRHAGE,-PRESENT -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
	AORTA (AO) : -LARGE; UP TO 7 MM IN DIAMETER; COLLECTED	AORTA (AO) : -MINERALIZATION,-SEVERE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92661 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/03/00 STUDY DAY OF DEATH: 624 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: 376.6 GRAMS
DATE AND TIME OF NECROPSY: 01/03/00 14:05 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LN, MESENTERIC (MS), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92662 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 431.4 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 11:50 PROSECTOR: LAURIE J. SCHULLER RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0238	.0055 %	.0106	WEIGHT TAKEN
RT ADRENAL (AD1)	.0252	.0058 %	.0112	WEIGHT TAKEN
BRAIN (BR)	2.2508	.5217 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.6677	.3866 %	.7409	WEIGHT TAKEN
RT KIDNEY (KD1)	2.0046	.4647 %	.8906	WEIGHT TAKEN
LIVER (LI)	14.3620	3.3292 %	6.3808	WEIGHT TAKEN
LUNG (LU)	1.9229	.4457 %	.8543	WEIGHT TAKEN
SPLEEN (SP)	.6613	.1533 %	.2938	WEIGHT TAKEN
LF TESTIS (TE0)	1.6859	.3908 %	.7490	WEIGHT TAKEN
RT TESTIS (TE1)	1.7014	.3944 %	.7559	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0084	.0019 %	.0037	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0146	.0034 %	.0065	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

KIDNEY (KD) :
-LARGE PELVIS(ES); RIGHT

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
KIDNEY (KD) :
-DILATATION, PELVIC,-SLIGHT
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92662 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 431.4 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 11:50 PROSECTOR: LAURIE J. SCHULLER RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92663 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 02/08/00 STUDY DAY OF DEATH: 660 STUDY WEEK OF DEATH: 95 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 02/08/00 14:13 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); SHOULDER-LEFT; WEEK 89; 70 X 80MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MODERATE -HYPERPLASIA, BILE DUCT,-MINIMAL
	KIDNEY (KD) : -LARGE PELVIS(ES); RIGHT -GRANULAR MATERIAL; RIGHT: MULTIPLE TAN AND HARD GRANULES, UP TO 1 MM IN DIAMETER	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE -DILATATION, PELVIC,-SLIGHT -MINERALIZATION, PELVIC,-MODERATE
		SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT
	PANCREAS (PA) : -MASS(ES); DISTAL END FROM SPLEEN: SINGLE MASS, 7 MM IN DIAMETER, DARK RED AND FIRM; SAME ON CUT SURFACE (CAP 23); REGIONAL LN (PANCREATIC) NOT IDENTIFIED	PANCREAS (PA) : -M-CARCINOMA, ISLET CELL,-NEOPLASM PRESENT
		ADRENAL, CORTEX (AC) : -VACUOLATION, FOCAL,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92663 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 02/08/00 STUDY DAY OF DEATH: 660 STUDY WEEK OF DEATH: 95 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 02/08/00 14:13 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, MEDULLA (MA) : -HYPERPLASIA, MEDULLARY,-MINIMAL
	TESTIS (TE) : -SMALL; BILATERAL: EACH IS 22 X 13 X 4 MM; BOTH ARE SOFT	TESTIS (TE) : -ATROPHY/DEGENERATION,-SEVERE -GRANULOMA, SPERM,-PRESENT
		MARROW, FEMUR (FM) : -HYPERPLASIA, ERYTHROID, MARROW,-MODERATELY SEVERE
		MARROW, STERNUM (SE) : -HYPERPLASIA, ERYTHROID, MARROW,-MODERATELY SEVERE
		THYMUS (TH) : -HEMORRHAGE,-PRESENT -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE
		HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
		THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 7 X 6 X 5 MM, DARK RED, TAN, GRAY AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -ATROPHY,-MINIMAL
		JEJUNUM (JE) : >AUTOLYTIC
		ILEUM (IL) : >AUTOLYTIC

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92663 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 02/08/00 STUDY DAY OF DEATH: 660 STUDY WEEK OF DEATH: 95 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 02/08/00 14:13 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CECUM (CE) : >AUTOLYTIC COLON (CO) : >AUTOLYTIC
	SKIN (SK) : -MASS(ES); LEFT SHOULDER REGION: SINGLE MASS, 80 X 65 X 40 MM, RED, DARK RED, TAN, GRAY, LOBULATED AND FIRM; ON SECTION EXUDES A DARK RED FLUID; PORTION COLLECTED (CAP 25); REGIONAL LN (SEE AXILLARY)	SKIN (SK) : -M-FIBROSARCOMA,-NEOPLASM PRESENT
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT EPIDIDYMIDES (EP) : -HYPOSPERMIA,-PRESENT CAUSE OF DEATH (CD) : -NEOPLASM, SKIN/MUSCLE/SUBCUTIS,-PRESENT
	LN, AXILLARY (AX) : -DIFFUSELY RED; BILATERAL: DARK RED (CAP 24)	LN, AXILLARY (AX) : -CONGESTION,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: DARK RED (CAP 22)	LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT -CONGESTION,-PRESENT
	TAIL (TI) : -CRUSTED AREA(S); ALONG ENTIRE LENGTH: MULTIPLE DARK BROWN AND DRY CRUSTED AREAS, UP TO 3 MM IN DIAMETER (CAP 26)	TAIL (TI) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT -ACANTHOSIS / HYPERKERATOSIS,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92663 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 02/08/00 STUDY DAY OF DEATH: 660 STUDY WEEK OF DEATH: 95 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 02/08/00 14:13 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), MAMMARY, MALE (MM), COAGULATING GL (CG), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LN, MESENTERIC (MS), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92664 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/11/99 STUDY DAY OF DEATH: 540 STUDY WEEK OF DEATH: 78 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/11/99 8:10 PROSECTOR: KEVIN BILLINGS RECORDER: KEVIN BILLINGS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE	-COMPRESSED (HYPOTHALAMUS)	-DILATATION, VENTRICULAR,-PRESENT
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		-COMPRESSION, VENTRAL,-PRESENT
>BEHAVIOR; RECUMBENT; LATERAL; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) :
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
		SPLEEN (SP) :
		-PIGMENT, INCREASED,-MODERATE
		PANCREAS (PA) :
		-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
		ADRENAL, CORTEX (AC) :
		-PIGMENT,-MINIMAL
		THYMUS (TH) :
		-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); SINGLE MASS, 10 X 8 X 8 MM, RED, DARK RED, TAN AND SOFT	-B-ADENOMA,-NEOPLASM PRESENT
		PROSTATE (PR) :
		-INFLAMMATION, CHRONIC-ACTIVE,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92664 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/11/99 STUDY DAY OF DEATH: 540 STUDY WEEK OF DEATH: 78 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/11/99 8:10 PROSECTOR: KEVIN BILLINGS RECORDER: KEVIN BILLINGS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS | NECROPSY | HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-NEOPLASM, PITUITARY,-PRESENT

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92665 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/24/99 STUDY DAY OF DEATH: 614 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/24/99 8:19 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; SWOLLEN; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT PANCREAS (PA) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL -ATROPHY, ACINAR,-MINIMAL
	ADRENAL, CORTEX (AC) : -LARGE; LEFT: 12 X 10 X 10 MM (RIGHT IS 5 X 4 X 4 MM)	ADRENAL, CORTEX (AC) : >UNREMARKABLE ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-MODERATE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92665 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/24/99 STUDY DAY OF DEATH: 614 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/24/99 8:19 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-SLIGHT PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT JEJUNUM (JE) : >AUTOLYTIC ILEUM (IL) : >AUTOLYTIC CECUM (CE) : >AUTOLYTIC URINARY BLADDER (UB) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE CAUSE OF DEATH (CD) : -POSSIBLE TRAUMATIC INJURY,-PRESENT
	JOINT, OTHER (JT) : -LARGE; RIGHT TARSAL: UP TO 15 MM IN DIAMETER; COLLECTED GENERAL COMMENT (GC) : -ANIMAL OBESE	JOINT, OTHER (JT) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL -PROBABLE FRACTURE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92665 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/24/99 STUDY DAY OF DEATH: 614 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/24/99 8:19 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), COLON (CO), RECTUM (RE), SKIN (SK), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92666 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/01/99 STUDY DAY OF DEATH: 530 STUDY WEEK OF DEATH: 76 TERMINAL BODY WEIGHT: 529.2 GRAMS
DATE AND TIME OF NECROPSY: 10/01/99 13:55 PROSECTOR: LYNN HORNER RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE	-COMPRESSED (HYPOTHALAMUS)	>UNREMARKABLE
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) :
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
		SPLEEN (SP) :
		-PIGMENT, INCREASED,-MINIMAL
		PANCREAS (PA) :
		-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
		ADRENAL, CORTEX (AC) :
		-PIGMENT,-MINIMAL
		THYMUS (TH) :
		-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SEVERE
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 15 X 10 X 7 MM, DARK RED, RED, TAN AND SOFT	-B-ADENOMA,-NEOPLASM PRESENT
		PROSTATE (PR) :
		-INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92666 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/01/99 STUDY DAY OF DEATH: 530 STUDY WEEK OF DEATH: 76 TERMINAL BODY WEIGHT: 529.2 GRAMS
DATE AND TIME OF NECROPSY: 10/01/99 13:55 PROSECTOR: LYNN HORNER RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PROSTATE (PR) : -NODULAR; PROXIMAL SURROUNDING URETHRA: GREEN AND FIRM	
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92666 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/01/99 STUDY DAY OF DEATH: 530 STUDY WEEK OF DEATH: 76 TERMINAL BODY WEIGHT: 529.2 GRAMS
DATE AND TIME OF NECROPSY: 10/01/99 13:55 PROSECTOR: LYNN HORNER RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92667 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/20/99 STUDY DAY OF DEATH: 549 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 548.9 GRAMS
DATE AND TIME OF NECROPSY: 10/20/99 13:10 PROSECTOR: JARED FISHEL RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 69; 30 X 30MM; VERIFIED AT NECROPSY: NOT OBSERVED		EYE (EY) : -DYSTROPHY, CORNEAL IN EARLY STAGES, CONSISTS PRIMARILY OF FOCAL MINERALIZATION,-MINIMAL
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) :	BRAIN (BR) :
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: NOT OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-DILATATION, VENTRICULAR,-PRESENT -COMPRESSION, VENTRAL,-PRESENT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED	LIVER (LI) :	LIVER (LI) :
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	-RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL -ANGIECTASIS,-MINIMAL
		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
		SPLEEN (SP) : -PIGMENT, INCREASED,-MINIMAL
		PANCREAS (PA) : -INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT
		ADRENAL, CORTEX (AC) : -PIGMENT,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92667 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/20/99 STUDY DAY OF DEATH: 549 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 548.9 GRAMS
DATE AND TIME OF NECROPSY: 10/20/99 13:10 PROSECTOR: JARED FISHEL RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : >SECTION EXAMINED; TISSUE NOT PRESENT
	THYROID (TY) : -LARGE; RIGHT: 7 X 6 X 4 MM (LEFT IS 4 X 3 X 2 MM)	THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 11 X 8 X 6 MM, DARK RED, GRAY AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	URINARY BLADDER (UB) : -SEMIFLUID MATERIAL; FILLED WITH A REDDISH-GREEN FLUID	URINARY BLADDER (UB) : -HEMORRHAGE,-MODERATE -PROTEINACEOUS MATERIAL, LUMINAL,-PRESENT
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: RED AND DRY MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92667 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/20/99 STUDY DAY OF DEATH: 549 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 548.9 GRAMS
DATE AND TIME OF NECROPSY: 10/20/99 13:10 PROSECTOR: JARED FISHEL RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92668 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 310.4 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 11:25 PROSECTOR: JODI THIEREN RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LF KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	12.3505	3.9789 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN

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

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92668 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 310.4 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 11:25 PROSECTOR: JODI THIEREN RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE),
BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM),
NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI),
HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE),
ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR),
SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN),
LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI),
LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP),
AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT),
DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO),
PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS),
BILE DUCT (BD), TRIGEMINAL NERVE (TG)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92669 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 812.0 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 13:18 PROSECTOR: TONY HANFELD RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-SLIGHT TESTIS (TE) : -ATROPHY/DEGENERATION,-MINIMAL -B-INTERSTITIAL CELL TUMOR,-NEOPLASM PRESENT -INFILTRATE, LYMPHOHISTIOCYTIC,-SLIGHT THYROID (TY) : -HYPERPLASIA, C-CELL,-MODERATE -B-ADENOMA, C-CELL,-NEOPLASM PRESENT -B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 7 X 6 X 5 MM, RED, DARK RED AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT -HYPERPLASIA,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92669 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 812.0 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 13:18 PROSECTOR: TONY HANFELD RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, GL (ST) : -THICKENED WALL; DIFFUSE	STOMACH, GL (ST) : -HYPERPLASIA, EPITHELIAL, GLANDULAR,-MODERATE CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	MAMMARY, MALE (MM) : -CYST(S); BILATERAL PECTORAL REGION: MULTIPLE WHITE FLUID FILLED CYSTS, UP TO 4 MM IN DIAMETER (CAP 22) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	MAMMARY, MALE (MM) : -GALACTOCELE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92669 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 812.0 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 13:18 PROSECTOR: TONY HANFELD RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92670 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/13/99 STUDY DAY OF DEATH: 512 STUDY WEEK OF DEATH: 74 TERMINAL BODY WEIGHT: 374.4 GRAMS
DATE AND TIME OF NECROPSY: 09/13/99 10:52 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE		BRAIN (BR) : -DEGENERATION, FOCAL,-MINIMAL
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) : -LARGE; ALL LOBES	LIVER (LI) : -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED	-MASS(ES); RIGHT MEDIAN LOBE, ALONG MARGIN: SINGLE MASS, 20 X 20 X 7 MM, RED, TAN, BROWN, AND SOFT; SAME ON CUT SURFACE; COLLECTED ON ROUTINE SECTION; REGIONAL LN (HEPATIC) NORMAL (CAP 23)	-VACUOLATION, HEPATOCELLULAR,-SLIGHT -B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE	-DIFFUSELY LIGHT; ALL LOBES: TAN	
	KIDNEY (KD) : -ROUGH SURFACE, DIFFUSE; BILATERAL -DIFFUSELY LIGHT; BILATERAL: TAN	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SEVERE
	SPLEEN (SP) : -DIFFUSELY LIGHT; RED	SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SEVERE
		ADRENAL, CORTEX (AC) : -VACUOLATION, FOCAL,-SLIGHT -HEMATOPOIESIS, EXTRAMEDULLARY,-SLIGHT
		MARROW, FEMUR (FM) : -HYPERPLASIA, ERYTHROID, MARROW,-MODERATELY SEVERE
		MARROW, STERNUM (SE) : -HYPERPLASIA, ERYTHROID, MARROW,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92670 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/13/99 STUDY DAY OF DEATH: 512 STUDY WEEK OF DEATH: 74 TERMINAL BODY WEIGHT: 374.4 GRAMS
DATE AND TIME OF NECROPSY: 09/13/99 10:52 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	THYMUS (TH) : -GELATINOUS; CLEAR	THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYALINE MATERIAL, ALVEOLAR SEPTA,-MODERATE -HYPERPLASIA, TYPE II PNEUMOCYTE,-SLIGHT HEART (HT) : -CARDIOMYOPATHY,-SLIGHT PARATHYROID (PT) : -HYPERPLASIA,-MODERATELY SEVERE
	STOMACH, GL (ST) : -THICKENED WALL; MUCOSA, CRANIAL ONE HALF, AT JUNCTION OF NONGLANDULAR	STOMACH, GL (ST) : -HYPERPLASIA, EPITHELIAL, GLANDULAR,-MODERATE -MINERALIZATION, GLANDULAR MUCOSA,-MODERATE URINARY BLADDER (UB) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE
	SEMINAL VESICLES (SV) : -SMALL; BILATERAL: EACH IS 12 X 6 X 2 MM	SEMINAL VESICLES (SV) : -SECRETION, DECREASED,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92670 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/13/99 STUDY DAY OF DEATH: 512 STUDY WEEK OF DEATH: 74 TERMINAL BODY WEIGHT: 374.4 GRAMS
DATE AND TIME OF NECROPSY: 09/13/99 10:52 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		EPIDIDYMIDES (EP) : -IMMATURE SPERM FORMS,-MODERATE CAUSE OF DEATH (CD) : -NEPHROPATHY,-PRESENT
	LN, MEDIASTINAL (ML) : -LARGE; UP TO 5 X 3 X 2 MM (CAP 22) -MOTTLED; RED AND TAN (CAP 22)	LN, MEDIASTINAL (ML) : -HEMORRHAGE,-PRESENT
		LN, OTHER (LN) : >UNREMARKABLE >NOTE:>HEPATIC LN
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92670 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/13/99 STUDY DAY OF DEATH: 512 STUDY WEEK OF DEATH: 74 TERMINAL BODY WEIGHT: 374.4 GRAMS
DATE AND TIME OF NECROPSY: 09/13/99 10:52 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92671 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/29/00 STUDY DAY OF DEATH: 650 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/29/00 7:22 PROSECTOR: TROY ELLENBECKER RECORDER: TROY ELLENBECKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -DEGENERATION, CYSTIC,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MINIMAL PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-SLIGHT ADRENAL, CORTEX (AC) : -VACUOLATION, DIFFUSE,-MINIMAL ADRENAL, MEDULLA (MA) : -HYPERPLASIA, MEDULLARY,-SLIGHT MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-SLIGHT THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE HEART (HT) : -CARDIOMYOPATHY,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92671 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/29/00 STUDY DAY OF DEATH: 650 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/29/00 7:22 PROSECTOR: TROY ELLENBECKER RECORDER: TROY ELLENBECKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -DARK FOCUS(I)/AREA(S); MID ASPECT: SINGLE DARK RED AREA, 5 MM IN DIAMETER	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		EPIDIDYMIDES (EP) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		CAUSE OF DEATH (CD) : -UNDETERMINED MICROSCOPICALLY,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: (CAP 22)	LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE -CONGESTION,-PRESENT
	GENERAL COMMENT (GC) : -MALOCCLUSION; BILATERAL; LOWER INCISORS -DISCHARGE-OCULAR; LEFT: DRY RED MATERIAL -STAINS-PERINEUM/PERIANAL; PERINEUM: MOIST BROWN FLUID	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92671 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/29/00 STUDY DAY OF DEATH: 650 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/29/00 7:22 PROSECTOR: TROY ELLENBECKER RECORDER: TROY ELLENBECKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92672 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/13/00 STUDY DAY OF DEATH: 665 STUDY WEEK OF DEATH: 95 TERMINAL BODY WEIGHT: 732.1 GRAMS
DATE AND TIME OF NECROPSY: 02/13/00 14:54 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>MASS(ES); DORSAL-CERVICAL-LEFT; WEEK 95; VERIFIED AT NECROPSY: OBSERVED
>EYES; RED DISCHARGE; EYE-LEFT; VERIFIED AT NECROPSY: OBSERVED
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

LIVER (LI) :
-LIGHT FOCUS(I)/AREA(S); AT JUNCTION OF MEDIAN LOBES: SINGLE TAN AREA, 5 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
-HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
-LIPIDOSIS, SUBCAPSULAR (TENSION LIPIDOSIS),-SLIGHT
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-MINERALIZATION, PELVIC,-SLIGHT
-HYPERPLASIA, TRANSITIONAL CELL,-MINIMAL
-INFLAMMATION, SUPPURATIVE, PELVIC,-SLIGHT
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
PANCREAS (PA) :
-B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT
-INFILTRATION, FAT, INTERSTITIAL,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92672 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/13/00 STUDY DAY OF DEATH: 665 STUDY WEEK OF DEATH: 95 TERMINAL BODY WEIGHT: 732.1 GRAMS
DATE AND TIME OF NECROPSY: 02/13/00 14:54 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -PIGMENT,-SLIGHT MARROW, FEMUR (FM) : -HYPOCELLULAR, MARROW,-MODERATELY SEVERE MARROW, STERNUM (SE) : -HYPOCELLULAR, MARROW,-MODERATELY SEVERE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-SLIGHT THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 10 X 8 X 8 MM, DARK RED, GRAY AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		STOMACH, GL (ST) : -HYPERPLASIA, EPITHELIAL, GLANDULAR,-MODERATE
	STOMACH, NONGL (SU) : -THICKENED WALL; DIFFUSE -LIGHT FOCUS(I)/AREA(S); MUCOSA: MULTIPLE TAN AREAS, UP TO 2 X 1 MM	STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-MODERATE -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92672 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/13/00 STUDY DAY OF DEATH: 665 STUDY WEEK OF DEATH: 95 TERMINAL BODY WEIGHT: 732.1 GRAMS
DATE AND TIME OF NECROPSY: 02/13/00 14:54 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	SKIN (SK) : -MASS(ES); LEFT DORSAL THORACIC REGION: SINGLE MASS, 12 X 8 X 6 MM, DARK RED, TAN AND FIRM; SAME ON CUT SURFACE (CAP 22); OVERLYING SKIN HAS A SINGLE DARK RED AND DRY CRUSTED AREA, 1 MM IN DIAMETER; COLLECTED INTACT WITH MASS; REGIONAL LN (AXILLARY) NORMAL (CAP 23)	SKIN (SK) : -B-KERATOACANTHOMA,-NEOPLASM PRESENT
		URINARY BLADDER (UB) : -HYPERPLASIA, TRANSITIONAL CELL,-MODERATE -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SEVERE SEMINAL VESICLES (SV) : -SECRETION, DECREASED,-PRESENT CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92672 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/13/00 STUDY DAY OF DEATH: 665 STUDY WEEK OF DEATH: 95 TERMINAL BODY WEIGHT: 732.1 GRAMS
DATE AND TIME OF NECROPSY: 02/13/00 14:54 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92673 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 02/07/00 STUDY DAY OF DEATH: 659 STUDY WEEK OF DEATH: 95 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 02/07/00 8:56 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-LEFT; WEEK 81; 50 X 60MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE PANCREAS (PA) : -ATROPHY, ACINAR,-MINIMAL ADRENAL, MEDULLA (MA) : -HYPERPLASIA, MEDULLARY,-SLIGHT -B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 10 X 8 X 8 MM, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		JEJUNUM (JE) : >AUTOLYTIC

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92673 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 02/07/00 STUDY DAY OF DEATH: 659 STUDY WEEK OF DEATH: 95 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 02/07/00 8:56 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ILEUM (IL) : >AUTOLYTIC CECUM (CE) : >AUTOLYTIC SKIN (SK) : -B-FIBROMA,-NEOPLASM PRESENT PROSTATE (PR) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	MAMMARY, MALE (MM) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 65 X 50 X 30 MM, RED, TAN, GRAY, LOBULATED AND FIRM; SAME ON CUT SURFACE (CAP 23); REGIONAL LN (AXILLARY) NORMAL (CAP 22)	MAMMARY, MALE (MM) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL >NOTE:>SEE SKIN FOR DIAGNOSIS OF MASS

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92673 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 02/07/00 STUDY DAY OF DEATH: 659 STUDY WEEK OF DEATH: 95 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 02/07/00 8:56 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, CORTEX (AC), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92674 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 930.5 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 8:21 PROSECTOR: TONY HANFELD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : >UNREMARKABLE LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-SLIGHT -DEGENERATION, CYSTIC,-MINIMAL PANCREAS (PA) : -INFILTRATE, LYMPHOHISTIOCYTIC,-SLIGHT -ATROPHY, ACINAR,-MODERATE
	TESTIS (TE) : -CONTAINS FLUID; LEFT: CLEAR FLUID -LARGE; LEFT: 45 X 25 X 20 MM (RIGHT IS 20 X 15 X 10 MM)	TESTIS (TE) : -ATROPHY/DEGENERATION,-SEVERE >NOTE:>UNILATERAL
		THYROID (TY) : -HYPERPLASIA, C-CELL,-SLIGHT
	PITUITARY (PI) : -MASS(ES); 5 X 5 X 4 MM, RED, TAN, AND FIRM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -THICKENED WALL; DIFFUSE	STOMACH, GL (ST) : -INFLAMMATION, ACUTE,-MINIMAL -HYPERPLASIA, EPITHELIAL, GLANDULAR,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92674 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 930.5 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 8:21 PROSECTOR: TONY HANFELD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-BONE MARROW SMEAR TAKEN
-ANIMAL OBESE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
KIDNEY (KD), LUNG (LU), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92675 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/31/00 STUDY DAY OF DEATH: 712 STUDY WEEK OF DEATH: 102 TERMINAL BODY WEIGHT: 503.9 GRAMS
DATE AND TIME OF NECROPSY: 03/31/00 10:45 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>MASS(ES); DORSAL; WEEK 90; 15 X 15MM;
VERIFIED AT NECROPSY: OBSERVED
>EYES; RED DISCHARGE; EYE-LEFT;
VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; THIN; VERIFIED AT
NECROPSY: NOT OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-VACUOLATION, HEPATOCELLULAR,
PERIPORTAL,-SLIGHT
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR /
EOSINOPHILIC CELL,-MODERATE
-DEGENERATION, CYSTIC,-MINIMAL
-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL
-HYPERPLASIA, BILE DUCT,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-
MINIMAL
-MINERALIZATION, PELVIC,-SLIGHT
-HYPERPLASIA, TRANSITIONAL CELL,-
MODERATE
-INFLAMMATION, SUPPURATIVE, PELVIC,-
SLIGHT
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
-HEMATOPOIESIS, EXTRAMEDULLARY,
INCREASED,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92675 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/31/00 STUDY DAY OF DEATH: 712 STUDY WEEK OF DEATH: 102 TERMINAL BODY WEIGHT: 503.9 GRAMS
DATE AND TIME OF NECROPSY: 03/31/00 10:45 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PANCREAS (PA) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL ADRENAL, CORTEX (AC) : -PIGMENT,-MINIMAL MARROW, FEMUR (FM) : -HYPOCELLULAR, MARROW,-MODERATE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE HEART (HT) : -CARDIOMYOPATHY,-MINIMAL THYROID (TY) : -DILATATION / CYST, FOLLICULAR,-PRESENT
	PITUITARY (PI) : -MASS(ES); 12 X 10 X 6 MM, DARK RED, BROWN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	SKIN (SK) : -MASS(ES); RIGHT DORSAL LUMBAR REGION: SINGLE MASS, 20 X 15 X 7 MM, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	SKIN (SK) : -CYST, EPIDERMAL INCLUSION,-PRESENT
		URINARY BLADDER (UB) : -HYPERPLASIA, TRANSITIONAL CELL,-MODERATE -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
	PROSTATE (PR) : -LARGE; 30 X 20 X 18 MM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92675 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/31/00 STUDY DAY OF DEATH: 712 STUDY WEEK OF DEATH: 102 TERMINAL BODY WEIGHT: 503.9 GRAMS
DATE AND TIME OF NECROPSY: 03/31/00 10:45 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PROSTATE (PR) : -GELATINOUS; DIFFUSE: LIGHT GREEN	
	SEMINAL VESICLES (SV) : -SMALL; BILATERAL: LEFT IS 10 X 7 X 3 MM, RIGHT IS 15 X 8 X 5 MM	SEMINAL VESICLES (SV) : -SECRETION, DECREASED,-PRESENT -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE
		EPIDIDYMIDES (EP) : -VACUOLATION, TUBULAR EPITHELIUM,-SLIGHT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	BILE DUCT (BD) : -LARGE; UP TO 5 MM IN DIAMETER (CAP 23)	BILE DUCT (BD) : -CYST,-PRESENT -INFLAMMATION, CHRONIC,-MODERATELY SEVERE -THROMBUS,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; LEFT: DARK RED DRY MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92675 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/31/00 STUDY DAY OF DEATH: 712 STUDY WEEK OF DEATH: 102 TERMINAL BODY WEIGHT: 503.9 GRAMS
DATE AND TIME OF NECROPSY: 03/31/00 10:45 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92676 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 448.1 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 12:55 PROSECTOR: DONIA MEYER RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0301	.0067 %	.0136	WEIGHT TAKEN
RT ADRENAL (AD1)	.0281	.0063 %	.0127	WEIGHT TAKEN
BRAIN (BR)	2.2089	.4929 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.8605	.4152 %	.8423	WEIGHT TAKEN
RT KIDNEY (KD1)	1.8648	.4162 %	.8442	WEIGHT TAKEN
LIVER (LI)	13.3586	2.9812 %	6.0476	WEIGHT TAKEN
LUNG (LU)	1.4477	.3231 %	.6554	WEIGHT TAKEN
SPLEEN (SP)	.6389	.1426 %	.2892	WEIGHT TAKEN
LF TESTIS (TE0)	1.7039	.3802 %	.7714	WEIGHT TAKEN
RT TESTIS (TE1)	1.6819	.3753 %	.7614	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0121	.0027 %	.0055	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0108	.0024 %	.0049	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

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

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
KIDNEY (KD) :
-REGENERATION, TUBULAR EPITHELIUM,-MINIMAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92676 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 448.1 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 12:55 PROSECTOR: DONIA MEYER RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92677 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/09/00 STUDY DAY OF DEATH: 690 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/09/00 8:13 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>WART LIKE LESION(S); DORSAL; WEEK 80; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -LARGE; ALL LOBES: MARGINS APPEAR ROUNDED -LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN AREAS, UP TO 1 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	BRAIN (BR) : -MINERALIZATION,-MINIMAL LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MODERATELY SEVERE -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-MODERATE KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE PANCREAS (PA) : -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT -INFILTRATION, FAT, INTERSTITIAL,-SLIGHT ADRENAL, CORTEX (AC) : -HYPERPLASIA, CORTICAL,-MINIMAL -PIGMENT,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92677 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/09/00 STUDY DAY OF DEATH: 690 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/09/00 8:13 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, STERNUM (SE) : -HYPERPLASIA, ERYTHROID, MARROW,- MODERATE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),- MODERATE HEART (HT) : -CARDIOMYOPATHY,-MINIMAL PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT -HYPERPLASIA,-MINIMAL HARDERIAN GLAND (HG) : -ATROPHY,-MINIMAL JEJUNUM (JE) : >AUTOLYTIC CECUM (CE) : >AUTOLYTIC COLON (CO) : >AUTOLYTIC RECTUM (RE) : >AUTOLYTIC
	SKIN (SK) : -RAISED FOCUS(I)/AREA(S); DORSAL LUMBAR REGION: SINGLE DRY TAN, CRUSTED RAISED AREA, 10 X 10 X 7 MM (CAP 22)	SKIN (SK) : -B-KERATOACANTHOMA,-NEOPLASM PRESENT
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92677 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/09/00 STUDY DAY OF DEATH: 690 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/09/00 8:13 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : -UNDETERMINED MICROSCOPICALLY,-PRESENT

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), ILEUM (IL), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92678 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 274.6 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 11:54 PROSECTOR: LYNN HORNER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LF KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	10.0762	3.6700 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN

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

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92678 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 274.6 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 11:54 PROSECTOR: LYNN HORNER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE),
BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM),
NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI),
HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE),
ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR),
SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN),
LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI),
LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP),
AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT),
DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO),
PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS),
BILE DUCT (BD), TRIGEMINAL NERVE (TG)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92679 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/07/99 STUDY DAY OF DEATH: 383 STUDY WEEK OF DEATH: 55 TERMINAL BODY WEIGHT: 698.8 GRAMS
DATE AND TIME OF NECROPSY: 05/07/99 14:08 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-DILATATION, VENTRICULAR,-PRESENT
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		-COMPRESSION, VENTRAL,-PRESENT
	LIVER (LI) :	LIVER (LI) :
>RESPIRATION; IRREGULAR; VERIFIED AT NECROPSY: NOT APPLICABLE	-HEPATIC ANOMALY (LOBULE); DIAPHRAGMATIC SURFACE AT JUNCTION OF MEDIAN LOBES: SINGLE ANOMALY, 8 X 5 X 3 MM, LIVER-LIKE IN CONSISTENCY (CAP 21)	-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		-ANOMALY, SECONDARY TO DIAPHRAGMATIC HERNIA,-PRESENT
		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
		SPLEEN (SP) :
		-PIGMENT, INCREASED,-SLIGHT
		THYMUS (TH) :
		-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT
		HEART (HT) :
		-CARDIOMYOPATHY,-MINIMAL
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 8 MM IN DIAMETER, RED, DARK RED, GRAY, AND SOFT	-B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92679 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/07/99 STUDY DAY OF DEATH: 383 STUDY WEEK OF DEATH: 55 TERMINAL BODY WEIGHT: 698.8 GRAMS
DATE AND TIME OF NECROPSY: 05/07/99 14:08 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PROSTATE (PR) : -NODULAR; PROXIMAL, SURROUNDING URETHRA: GREEN AND FIRM SEMINAL VESICLES (SV) : -GELATINOUS; BILATERAL: CLEAR GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED, DRY, AND CRUSTED	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE SEMINAL VESICLES (SV) : -SECRETION, INCREASED,-PRESENT CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92679 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/07/99 STUDY DAY OF DEATH: 383 STUDY WEEK OF DEATH: 55 TERMINAL BODY WEIGHT: 698.8 GRAMS
DATE AND TIME OF NECROPSY: 05/07/99 14:08 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92680 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/23/99 STUDY DAY OF DEATH: 583 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 448.1 GRAMS
DATE AND TIME OF NECROPSY: 11/23/99 15:03 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>SKIN & PELAGE; PALE; ENTIRE BODY;
VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; THIN; VERIFIED AT
NECROPSY: NOT OBSERVED
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED
AT NECROPSY: NOT APPLICABLE
>EXCRETION; FEW FECES; VERIFIED AT
NECROPSY: NOT APPLICABLE
>APPEARANCE; HUNCHED; VERIFIED AT
NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR /
EOSINOPHILIC CELL,-MINIMAL
-HYPERPLASIA, BILE DUCT,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-
MINIMAL
-MINERALIZATION, PELVIC,-MODERATE
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
PANCREAS (PA) :
-INFILTRATE, MACROPHAGE, PIGMENTED,-
MINIMAL
ADRENAL, CORTEX (AC) :
-ATROPHY, CORTICAL,-MODERATE
TESTIS (TE) :
-INFLAMMATION, VASCULAR,-MINIMAL
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY
COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-
MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92680 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/23/99 STUDY DAY OF DEATH: 583 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 448.1 GRAMS
DATE AND TIME OF NECROPSY: 11/23/99 15:03 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 12 X 11 X 7 MM, DARK RED, RED AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE SEMINAL VESICLES (SV) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE -ATROPHY,-MODERATELY SEVERE CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92680 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/23/99 STUDY DAY OF DEATH: 583 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 448.1 GRAMS
DATE AND TIME OF NECROPSY: 11/23/99 15:03 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92681 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/16/99 STUDY DAY OF DEATH: 606 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: 444.9 GRAMS
DATE AND TIME OF NECROPSY: 12/16/99 15:05 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>MASS(ES); TAIL-PROXIMAL; WEEK 62; 20 X 10MM; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERPLASIA, BILE DUCT,-SLIGHT
-FIBROSIS, PERIBILIARY,-SLIGHT
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE
PANCREAS (PA) :
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
-INFILTRATION, FAT, INTERSTITIAL,-SLIGHT
MARROW, FEMUR (FM) :
-HYPERPLASIA, MYELOID, MARROW,-MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92681 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/16/99 STUDY DAY OF DEATH: 606 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: 444.9 GRAMS
DATE AND TIME OF NECROPSY: 12/16/99 15:05 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,- MODERATELY SEVERE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),- MODERATELY SEVERE LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,- MINIMAL HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 11 X 9 X 8 MM, RED, GREY, TAN, LOBULATED AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE BROWN FOCI, UP TO 1 MM IN DIAMETER	STOMACH, GL (ST) : >UNREMARKABLE
		URINARY BLADDER (UB) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
	PROSTATE (PR) : -NODULAR; PROXIMAL, SURROUNDING URETHRA: GREEN AND FIRM -LARGE; 31 X 15 X 8 MM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
		SEMINAL VESICLES (SV) : -SECRETION, INCREASED,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92681 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/16/99 STUDY DAY OF DEATH: 606 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: 444.9 GRAMS
DATE AND TIME OF NECROPSY: 12/16/99 15:05 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	SEMINAL VESICLES (SV) : -LARGE; BILATERAL: EACH IS 32 X 21 X 6 MM	
		EPIDIDYMIDES (EP) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	TAIL (TI) : -RAISED AREA(S); ALONG ENTIRE LENGTH OF TAIL: MULTIPLE TAN AND DARK BROWN RAISED AREAS, UP TO 16 X 9 X 6 MM; POSSIBLY CONSISTENT WITH MASS (TAIL) AS NOTED IN CLINICAL OBSERVATIONS; PORTION COLLECTED	TAIL (TI) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE -ACANTHOSIS / HYPERKERATOSIS,-SEVERE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92681 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/16/99 STUDY DAY OF DEATH: 606 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: 444.9 GRAMS
DATE AND TIME OF NECROPSY: 12/16/99 15:05 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92682 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 887.6 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 13:28 PROSECTOR: TONY HANFELD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : >UNREMARKABLE LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL -VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -DEGENERATION, CYSTIC,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-SLIGHT LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL
	THYROID (TY) : -LARGE; RIGHT: 6 X 3 X 3 MM (LEFT IS 4 X 2 X 2 MM)	THYROID (TY) : -M-CARCINOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 8 X 8 X 4 MM, RED, DARK RED, TAN, LOBULATED, AND FIRM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92682 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 887.6 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 13:28 PROSECTOR: TONY HANFELD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	HARDERIAN GLAND (HG) : -MOTTLED; BILATERAL: BLACK AND TAN STOMACH, GL (ST) : -THICKENED WALL; DIFFUSE PROSTATE (PR) : -NODULAR; SURROUNDING URETHRA: GREEN, BROWN, AND FIRM FOOT/FOOTPAD (FP) : -ABRASION(S)/ULCERATION(S); RIGHT HINDFOOT: SINGLE DARK RED, TAN, AND DRY ABRADED AREA, 5 X 3 MM; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	HARDERIAN GLAND (HG) : >UNREMARKABLE STOMACH, GL (ST) : -HYPERPLASIA, EPITHELIAL, GLANDULAR,-SLIGHT PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT FOOT/FOOTPAD (FP) : -INFLAMMATION, CHRONIC-ACTIVE,-SEVERE -ULCERATION,-SLIGHT -ACANTHOSIS / HYPERKERATOSIS,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92682 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 887.6 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 13:28 PROSECTOR: TONY HANFELD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92683 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 922.3 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 10:13 PROSECTOR: TERRI L. WILLIAMS RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; SWOLLEN; LIMB-HIND-LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 6 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT PANCREAS (PA) : -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT -INFILTRATION, FAT, INTERSTITIAL,-MODERATE PARATHYROID (PT) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -THICKENED WALL; DIFFUSE	STOMACH, GL (ST) : -HYPERPLASIA, EPITHELIAL, GLANDULAR,-SLIGHT
	PROSTATE (PR) : -NODULAR; PROXIMAL SURROUNDING URETHRA: GREEN AND FIRM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92683 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 922.3 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 10:13 PROSECTOR: TERRI L. WILLIAMS RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-BONE MARROW SMEAR TAKEN
-ANIMAL OBESE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), LUNG (LU), THYROID (TY), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92684 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 427.6 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 9:38 PROSECTOR: LAURIE J. SCHULLER RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0224	.0052 %	.0098	WEIGHT TAKEN
RT ADRENAL (AD1)	.0175	.0041 %	.0077	WEIGHT TAKEN
BRAIN (BR)	2.2858	.5346 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.8556	.4340 %	.8118	WEIGHT TAKEN
RT KIDNEY (KD1)	1.8072	.4226 %	.7906	WEIGHT TAKEN
LIVER (LI)	13.5605	3.1713 %	5.9325	WEIGHT TAKEN
LUNG (LU)	2.1432	.5012 %	.9376	WEIGHT TAKEN
SPLEEN (SP)	.6898	.1613 %	.3018	WEIGHT TAKEN
LF TESTIS (TE0)	1.5608	.3650 %	.6828	WEIGHT TAKEN
RT TESTIS (TE1)	1.5278	.3573 %	.6684	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0078	.0018 %	.0034	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0109	.0025 %	.0048	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

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

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
KIDNEY (KD) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92684 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 427.6 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 9:38 PROSECTOR: LAURIE J. SCHULLER RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92685 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/25/99 STUDY DAY OF DEATH: 554 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: 575.8 GRAMS
DATE AND TIME OF NECROPSY: 10/25/99 8:14 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; RECUMBENT; LATERAL; VERIFIED AT NECROPSY: NOT APPLICABLE
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED
>EYES; SQUINTED; PERI-ORBITAL-RIGHT; VERIFIED AT NECROPSY: NOT OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

LIVER (LI) :
-LIGHT FOCUS(I)/AREA(S); AT JUNCTION OF MEDIAN LOBES: SINGLE TAN AREA, 8 X 5 MM; COLLECTED ON ROUTINE SECTION

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT
-DEGENERATION, CYSTIC,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-INFLAMMATION, CHRONIC-ACTIVE, PELVIC,-MINIMAL
SPLEEN (SP) :
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE
PANCREAS (PA) :
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
ADRENAL, CORTEX (AC) :
-VACUOLATION, FOCAL,-MINIMAL
-ANGIECTASIS,-MINIMAL
-PIGMENT,-MINIMAL
MARROW, FEMUR (FM) :
-HYPERPLASIA, MYELOID, MARROW,-SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92685 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/25/99 STUDY DAY OF DEATH: 554 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: 575.8 GRAMS
DATE AND TIME OF NECROPSY: 10/25/99 8:14 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-SEVERE
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE
		HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 8 X 6 X 6 MM, RED, DARK RED, GREY, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		URINARY BLADDER (UB) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
	PROSTATE (PR) : -MASS(ES); INVOLVING ENTIRE ORGAN: SINGLE MASS, 33 X 33 X 23 MM, RED, DARK RED, GREY, TAN, LOBULATED, GELATINOUS AND SOFT; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (SEE LUMBAR)	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SEVERE
	SEMINAL VESICLES (SV) : -LARGE; BILATERAL: EACH IS 28 X 15 X 5 MM	SEMINAL VESICLES (SV) : -SECRETION, INCREASED,-PRESENT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	LN, RENAL (RL) : -LARGE; LEFT: UP TO 9 X 7 X 4 MM (RIGHT IS UP TO 3 X 2 X 2 MM) (CAP 23)	LN, RENAL (RL) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92685 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/25/99 STUDY DAY OF DEATH: 554 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: 575.8 GRAMS
DATE AND TIME OF NECROPSY: 10/25/99 8:14 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, MALE (MM) : -CYST(S); BILATERAL LATERAL CERVICAL REGIONS: MULTIPLE TAN, CREAMY SEMIFLUID FILLED CYSTS, UP TO 3 MM IN DIAMETER (CAP 22)	MAMMARY, MALE (MM) : -GALACTOCELE,-PRESENT
	LN, LUMBAR/ILIAC (LM) : -LARGE; BILATERAL: RIGHT IS UP TO 7 X 5 X 4 MM, LEFT IS UP TO 6 X 5 X 4 MM (CAP 24)	LN, LUMBAR/ILIAC (LM) : -LYMPHANGIECTASIS,-PRESENT -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY, RED MATERIAL -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92685 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/25/99 STUDY DAY OF DEATH: 554 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: 575.8 GRAMS
DATE AND TIME OF NECROPSY: 10/25/99 8:14 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, MANDIBULAR (MN), COAGULATING GL (CG), TAIL (TI), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92686 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/22/99 STUDY DAY OF DEATH: 582 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 622.1 GRAMS
DATE AND TIME OF NECROPSY: 11/22/99 8:00 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; RED HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MODERATELY SEVERE
-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL
-HYPERPLASIA, BILE DUCT,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-MINERALIZATION, PELVIC,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
PANCREAS (PA) :
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
ADRENAL, MEDULLA (MA) :
-HYPERPLASIA, MEDULLARY,-SLIGHT
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92686 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/22/99 STUDY DAY OF DEATH: 582 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 622.1 GRAMS
DATE AND TIME OF NECROPSY: 11/22/99 8:00 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		HEART (HT) : -CARDIOMYOPATHY,-SLIGHT THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 12 X 8 X 7 MM, RED, DARK RED, TAN, GRAY, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL: UPPER INCISORS -STAINS - SKIN/HAIRCOAT; VENTRAL ABDOMINAL REGION, EXTENDING TO PERIANAL REGION: BROWN AND DRY	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92686 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/22/99 STUDY DAY OF DEATH: 582 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 622.1 GRAMS
DATE AND TIME OF NECROPSY: 11/22/99 8:00 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, CORTEX (AC), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92687 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/03/99 STUDY DAY OF DEATH: 502 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 09/03/99 14:44 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>WART LIKE LESION(S); HEAD-MAXILLARY-LEFT; WEEK 57; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>EYES; DILATED PUPIL; EYES; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
-DEGENERATION, CYSTIC,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE
LUNG (LU) :
-INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL
HEART (HT) :
-CARDIOMYOPATHY,-MINIMAL
PITUITARY (PI) :
-B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92687 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/03/99 STUDY DAY OF DEATH: 502 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 09/03/99 14:44 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 7 X 7 X 5 MM, RED, DARK RED, TAN, LOBULATED AND FIRM	
	STOMACH, GL (ST) : -LIGHT FOCUS(I)/AREA(S); MUCOSA: MULTIPLE TAN AREAS, UP TO 3 X 2 MM	STOMACH, GL (ST) : -INFLAMMATION, ACUTE,-MINIMAL -EROSION,-MINIMAL
	STOMACH, NONGL (SU) : -LIGHT FOCUS(I)/AREA(S); MUCOSA: MULTIPLE TAN AREAS, UP TO 3 X 2 MM	STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-MODERATELY SEVERE -ULCERATION,-SLIGHT -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
	SKIN (SK) : -CRUSTED AREA(S); ALONG LOWER LEFT MANDIBLE: SINGLE TAN CRUSTED AREA, 3 X 2 MM (CAP 21)	SKIN (SK) : -ACANTHOSIS/HYPERKERATOSIS,-MINIMAL
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92687 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/03/99 STUDY DAY OF DEATH: 502 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 09/03/99 14:44 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92688 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/25/00 STUDY DAY OF DEATH: 677 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 336.4 GRAMS
DATE AND TIME OF NECROPSY: 02/25/00 8:15 PROSECTOR: NANCY DIEDRICH RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; SWOLLEN; PAW-HIND-LEFT; VERIFIED AT NECROPSY: NOT OBSERVED		EYE (EY) : -ATROPHY, RETINAL,-MODERATE
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) : -MOTTLED; ALL LOBES: DARK RED AND BROWN	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	KIDNEY (KD) : -CYST(S); BILATERAL, CORTICAL SURFACE: MULTIPLE CLEAR FLUID FILLED CYSTS, PINPOINT AND UP TO 1 MM IN DIAMETER -ROUGH SURFACE, DIFFUSE; BILATERAL -MOTTLED; BILATERAL: RED, BROWN, AND TAN	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SEVERE
		SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE
	PANCREAS (PA) : -LARGE VESSELS; ALONG DUODENUM: SINGLE VESSEL, 3 MM IN DIAMETER (CAP 24)	PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-MODERATE -HYPERPLASIA, ISLET CELLS,-MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92688 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/25/00 STUDY DAY OF DEATH: 677 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 336.4 GRAMS
DATE AND TIME OF NECROPSY: 02/25/00 8:15 PROSECTOR: NANCY DIEDRICH RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PANCREAS (PA) : -ATROPHY, ACINAR,-MINIMAL -INFLAMMATION, VASCULAR,-SLIGHT >NOTE:>SEE ALSO SLIDE #17
	ADRENAL, CORTEX (AC) : -LARGE; LEFT: 7 X 5 X 4 MM (RIGHT IS 5 X 4 X 3 MM)	ADRENAL, CORTEX (AC) : -VACUOLATION, FOCAL,-SLIGHT -HYPERTROPHY, CORTICAL CELL,-MINIMAL -PIGMENT,-MINIMAL -DEGENERATION / NECROSIS, UNILATERAL,-SEVERE
		ADRENAL, MEDULLA (MA) : -UNILATERALLY EXAMINED,-PRESENT -HYPERPLASIA, MEDULLARY,-SLIGHT
		TESTIS (TE) : -INFLAMMATION, VASCULAR,-MODERATE
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE
		HEART (HT) : -CARDIOMYOPATHY,-SLIGHT
		THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PARATHYROID (PT) : -LARGE; BILATERAL: LEFT IS 2 MM IN DIAMETER, RIGHT IS 4 MM IN DIAMETER	PARATHYROID (PT) : -HYPERPLASIA,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 12 X 10 X 8 MM, RED, DARK RED, LOBULATED, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92688 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/25/00 STUDY DAY OF DEATH: 677 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 336.4 GRAMS
DATE AND TIME OF NECROPSY: 02/25/00 8:15 PROSECTOR: NANCY DIEDRICH RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN AREAS UP TO 2 X 1 MM	STOMACH, GL (ST) : -EROSION,-MINIMAL
	PROSTATE (PR) : -NODULAR; PROXIMAL, SURROUNDING URETHRA: GREEN AND FIRM -LARGE; 30 X 20 X 8 MM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL
	SEMINAL VESICLES (SV) : -LARGE; BILATERAL: LEFT IS 35 X 15 X 5 MM, RIGHT IS 30 X 15 X 3 MM	SEMINAL VESICLES (SV) : -SECRETION, INCREASED,-PRESENT
		CAUSE OF DEATH (CD) : -NEPHROPATHY,-PRESENT
	LN, RENAL (RL) : -DIFFUSELY RED; BILATERAL: DARK RED (CAP 25)	LN, RENAL (RL) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MINIMAL -HEMORRHAGE,-PRESENT -INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT
	MAMMARY, MALE (MM) : -CYST(S); BILATERAL, AXILLARY REGIONS: MULTIPLE TAN CREAMY SEMIFLUID FILLED CYSTS, 10 X 5 X 5 MM (CAP 22)	MAMMARY, MALE (MM) : -GALACTOCELE,-PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT
	LN, ANT MES/PANC (AP) : -LARGE; UP TO 5 X 3 X 2 MM (CAP 23)	LN, ANT MES/PANC (AP) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT -INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92688 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/25/00 STUDY DAY OF DEATH: 677 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 336.4 GRAMS
DATE AND TIME OF NECROPSY: 02/25/00 8:15 PROSECTOR: NANCY DIEDRICH RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-ANIMAL THIN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, MANDIBULAR (MN), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92689 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 05/14/99 STUDY DAY OF DEATH: 390 STUDY WEEK OF DEATH: 56 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 05/14/99 8:26 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 8 X 5 X 5 MM, DARK RED AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		DUODENUM (DU) : >AUTOLYTIC JEJUNUM (JE) : >AUTOLYTIC ILEUM (IL) : >AUTOLYTIC CECUM (CE) : >AUTOLYTIC COLON (CO) : >AUTOLYTIC

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92689 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 05/14/99 STUDY DAY OF DEATH: 390 STUDY WEEK OF DEATH: 56 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 05/14/99 8:26 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		URINARY BLADDER (UB) : >AUTOLYTIC PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -MALOCCLUSION; BILATERAL UPPER AND LOWER INCISORS -TEETH MISSING/BROKEN/WORN; LEFT LOWER INCISOR: BROKEN; APPROXIMATELY ONE-HALF OF INCISOR REMAINING	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92689 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 05/14/99 STUDY DAY OF DEATH: 390 STUDY WEEK OF DEATH: 56 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 05/14/99 8:26 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), RECTUM (RE), SKIN (SK), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92690 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 1034.6 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 10:28 PROSECTOR: DAVID SCHUETTE RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAW-HIND- LEFT; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MINIMAL -VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SEVERE -DEGENERATION, CYSTIC,-SLIGHT -HYPERPLASIA, BILE DUCT,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,- SLIGHT PANCREAS (PA) : -INFILTRATE, MACROPHAGE, PIGMENTED,- MINIMAL -HYPERPLASIA, ISLET CELLS,-MODERATE TESTIS (TE) : -HYPERPLASIA, INTERSTITIAL CELL (LEYDIG CELL),-SLIGHT THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT SALIV GL, MANDIB (SG) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92690 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 1034.6 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 10:28 PROSECTOR: DAVID SCHUETTE RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	SALIV GL, MANDIB (SG) : -MASS(ES); LEFT, ATTACHED TO CRANIAL END: SINGLE MASS, 12 X 10 X 8 MM, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (SEE MANDIBULAR) -DIFFUSELY LIGHT; LEFT: TAN	SALIV GL, MANDIB (SG) : >NOTE:>SEE SKIN FOR DIAGNOSIS OF MASS
		SKIN (SK) : -B-FIBROMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: DARK RED (CAP 23)	LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT
	LN, LUMBAR/ILIAC (LM) : -LARGE; LEFT: 17 X 12 X 6 MM (RIGHT IS 6 X 3 X 2 MM) (CAP 24)	LN, LUMBAR/ILIAC (LM) : -LYMPHANGIECTASIS,-PRESENT -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT
	FOOT/FOOTPAD (FP) : -ABRASION(S)/ULCERATION(S); LEFT HINDFOOT: SINGLE DRY BROWN ABRADED AREA, 4 MM IN DIAMETER; COLLECTED	FOOT/FOOTPAD (FP) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE -ULCERATION,-MODERATE -ACANTHOSIS / HYPERKERATOSIS,-MODERATE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -ANIMAL OBESE	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92690 SEX: MALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 1034.6 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 10:28 PROSECTOR: DAVID SCHUETTE RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92691 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 736.0 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 8:38 PROSECTOR: GREGORY CODDINGTON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>EYES; DISCOLORED/LIGHT RED; EYE-RIGHT;
VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

LIVER (LI) :
-RED FOCUS(I)/AREA(S); LEFT LATERAL LOBE: MULTIPLE DARK RED AREAS, UP TO 3 X 2 MM; COLLECTED ON ROUTINE SECTION

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MODERATE
-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL
-DEGENERATION, CYSTIC,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE
PANCREAS (PA) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-ATROPHY, ACINAR,-MINIMAL
-B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT
THYROID (TY) :
-HYPERPLASIA, C-CELL,-SLIGHT
-DILATATION / CYST, FOLLICULAR,-PRESENT
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92691 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 736.0 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 8:38 PROSECTOR: GREGORY CODDINGTON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN
GENERAL INFORMATION (XX) :
>NOTE:>ANIMAL NECROPSIED OUT OF ORDER
DUE TO MORIBUND CONDITION

HISTOPATHOLOGY

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), LUNG (LU), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92692 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/19/99 STUDY DAY OF DEATH: 365 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/19/99 8:00 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-CONGESTION,-PRESENT
KIDNEY (KD) :
-REGENERATION, TUBULAR EPITHELIUM,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
MARROW, FEMUR (FM) :
-HYPOCELLULAR, MARROW,-MODERATE
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SEVERE
LUNG (LU) :
-CONGESTION,-PRESENT
HEART (HT) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-FIBROSIS,-SLIGHT
TRACHEA (TR) :
-EXUDATE, LUMINAL,-PRESENT
PARATHYROID (PT) :
>TISSUE MISSING

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92692 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/19/99 STUDY DAY OF DEATH: 365 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/19/99 8:00 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 9 MM IN DIAMETER, RED, DARK RED, TAN, GREY AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		JEJUNUM (JE) : >AUTOLYTIC
		ILEUM (IL) : >AUTOLYTIC
	SKIN (SK) : -CRUSTED AREA(S); SCROTUM: SINGLE RED, DRY CRUSTED AREA, 14 X 10 MM (CAP 21)	SKIN (SK) : -ACANTHOSIS/HYPERKERATOSIS,-MINIMAL
	SEMINAL VESICLES (SV) : -LARGE; BILATERAL: BOTH ARE 35 X 16 X 4 MM	SEMINAL VESICLES (SV) : -SECRETION, INCREASED,-PRESENT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	MAMMARY, MALE (MM) : -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM (CAP 22)	MAMMARY, MALE (MM) : -HYPERPLASIA, CYSTIC,-MODERATE -SECRETORY MATERIAL IN LUMINA,-PRESENT
	COAGULATING GL (CG) : -LARGE; LEFT: 25 X 6 X 4 MM (FOR COMPARISON, RIGHT IS 10 X 6 X 3 MM); COLLECTED INTACT WITH SEMINAL VESICLES	COAGULATING GL (CG) : -SECRETORY MATERIAL, INCREASED,-PRESENT
	GENERAL COMMENT (GC) : -MALOCCLUSION; BILATERAL, UPPER INCISORS -DISCHARGE-OCULAR; BILATERAL: RED	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92692 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/19/99 STUDY DAY OF DEATH: 365 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/19/99 8:00 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), ESOPHAGUS (ES), THYROID (TY), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92693 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 711.8 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 8:31 PROSECTOR: TERRI L. WILLIAMS RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); DORSAL; WEEK 98; 40 X 40MM; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; SORE/SCAB; DORSAL; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; BLACK SKIN; DORSAL; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) : -LIGHT FOCUS(I)/AREA(S); RIGHT MEDIAN LOBE NEAR JUNCTION OF LEFT MEDIAN LOBE: SINGLE TAN AREA, 4 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 5 MM IN DIAMETER; SOME ARE SUNKEN WITH A STELLATE PATTERN; COLLECTED ON ROUTINE SECTIONS LUNG (LU) : -MASS(ES); ALL LOBES, DIFFUSE: MULTIPLE MASSES, UP TO 15 MM IN DIAMETER, ALL ARE RED, TAN, AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (TRACHEOBRONCHIAL) NOT IDENTIFIED	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL -LIPIDOSIS, SUBCAPSULAR (TENSION LIPIDOSIS),-MODERATELY SEVERE KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-SLIGHT LUNG (LU) : -N-SARCOMA,-FROM SKIN

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92693 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 711.8 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 8:31 PROSECTOR: TERRI L. WILLIAMS RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYROID (TY) : -DILATATION / CYST, FOLLICULAR,-PRESENT
	SKIN (SK) : -MASS(ES); LUMBAR REGION: SINGLE MASS, 40 X 35 X 20 MM, RED, DARK RED, TAN, AND FIRM; SAME ON CUT SURFACE; OVERLYING SKIN HAS A SINGLE ERODED AREA, 15 MM IN DIAMETER; COLLECTED INTACT; REGIONAL LN (INGUINAL) NOT IDENTIFIED	SKIN (SK) : -M-FIBROSARCOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, MEDIASTINAL (ML) : -LARGE; UP TO 5 MM IN DIAMETER; APPEARS CYSTIC (CAP 22)	LN, MEDIASTINAL (ML) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT -LYMPHANGIECTASIS,-SLIGHT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -ANIMAL OBESE	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92693 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 711.8 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 8:31 PROSECTOR: TERRI L. WILLIAMS RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92694 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 918.8 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 13:04 PROSECTOR: JARED FISHEL RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT -VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR,-MINIMAL -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -DEGENERATION, CYSTIC,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL PANCREAS (PA) : -M-CARCINOMA, ISLET CELL,-NEOPLASM PRESENT THYROID (TY) : -HYPERPLASIA, C-CELL,-SLIGHT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT FOOT/FOOTPAD (FP) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92694 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 918.8 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 13:04 PROSECTOR: JARED FISHEL RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	FOOT/FOOTPAD (FP) : -CRUSTED AREA(S); RIGHT HINDFOOT: SINGLE DARK RED AND DRY CRUSTED AREA, 4 MM IN DIAMETER; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -ANIMAL OBESE	FOOT/FOOTPAD (FP) : -ULCERATION,-SLIGHT -ACANTHOSIS / HYPERKERATOSIS,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92694 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 918.8 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 13:04 PROSECTOR: JARED FISHEL RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), LUNG (LU), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92695 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 727.2 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 8:21 PROSECTOR: JARED FISHEL RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT -VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT -DEGENERATION, CYSTIC,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL PARATHYROID (PT) : -HYPERPLASIA,-MINIMAL
	PITUITARY (PI) : -LARGE; 7 X 5 X 4 MM; APPEARS SWOLLEN	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT -CYST,-PRESENT
		URINARY BLADDER (UB) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92695 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 727.2 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 8:21 PROSECTOR: JARED FISHEL RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	TRIGEMINAL NERVE (TG) : -LARGE; BILATERAL: EACH IS UP TO 4 MM IN DIAMETER; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	TRIGEMINAL NERVE (TG) : -GANGLION,-PRESENT

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), TESTIS (TE), THYROID (TY)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92696 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 785.1 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 12:51 PROSECTOR: GREGORY CODDINGTON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT -VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR,-SLIGHT -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -DEGENERATION, CYSTIC,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-MINIMAL PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-SLIGHT LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92696 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 785.1 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 12:51 PROSECTOR: GREGORY CODDINGTON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -RAISED AREA(S); LEFT POSTERIOR ASPECT: SINGLE TAN AREA, 2 MM IN DIAMETER	PITUITARY (PI) : -HYPERPLASIA,-MINIMAL
		URINARY BLADDER (UB) : -PROTEINACEOUS MATERIAL, LUMINAL,-PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	FOOT/FOOTPAD (FP) : -ABRASION(S)/ULCERATION(S); RIGHT HINDFOOT: SINGLE DARK RED AND TAN ABRADED AREA, 9 MM IN DIAMETER; COLLECTED	FOOT/FOOTPAD (FP) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE -ULCERATION,-MODERATE -ACANTHOSIS / HYPERKERATOSIS,-MODERATE -BACTERIA,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92696 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 785.1 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 12:51 PROSECTOR: GREGORY CODDINGTON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), PARATHYROID (PT)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92697 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/28/99 STUDY DAY OF DEATH: 465 STUDY WEEK OF DEATH: 67 TERMINAL BODY WEIGHT: 523.3 GRAMS
DATE AND TIME OF NECROPSY: 07/28/99 7:35 PROSECTOR: JILL PAUS RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>MASS(ES); DORSAL; WEEK 58; 15 X 15MM; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; SORE/SCAB; DORSAL-THORACIC; VERIFIED AT NECROPSY: NOT OBSERVED
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; RECUMBENT; LATERAL; VERIFIED AT NECROPSY: NOT APPLICABLE
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
-MINERALIZATION,-MINIMAL
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MINIMAL
-HYPERPLASIA, BILE DUCT,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MINIMAL
PANCREAS (PA) :
-B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT
ADRENAL, CORTEX (AC) :
-PIGMENT,-MINIMAL
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SEVERE
LUNG (LU) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92697 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/28/99 STUDY DAY OF DEATH: 465 STUDY WEEK OF DEATH: 67 TERMINAL BODY WEIGHT: 523.3 GRAMS
DATE AND TIME OF NECROPSY: 07/28/99 7:35 PROSECTOR: JILL PAUS RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 11 X 8 X 8 MM, RED, DARK RED, GREY, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		SKIN (SK) : -B-KERATOACANTHOMA,-NEOPLASM PRESENT
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	MAMMARY, MALE (MM) : -MASS(ES); LEFT DORSAL LUMBAR REGION: SINGLE MASS, 20 X 15 X 15 MM, RED, DARK RED, TAN, AND FIRM; SAME ON CUT SURFACE (CAP 21); REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, MALE (MM) : >UNREMARKABLE >NOTE:>SEE SKIN FOR DIAGNOSIS
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: RED DRY MATERIAL -STAINS - SKIN/HAIRCOAT; ENTIRE VENTRAL SURFACE: BROWN DRY MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92697 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/28/99 STUDY DAY OF DEATH: 465 STUDY WEEK OF DEATH: 67 TERMINAL BODY WEIGHT: 523.3 GRAMS
DATE AND TIME OF NECROPSY: 07/28/99 7:35 PROSECTOR: JILL PAUS RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), KIDNEY (KD), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92698 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 741.9 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 10:30 PROSECTOR: TONY HANFELD RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>WART LIKE LESION(S); AXILLARY REGION-LEFT; WEEK 82; VERIFIED AT NECROPSY: NOT OBSERVED
>SKIN & PELAGE; SORE/SCAB; AXILLARY REGION-LEFT; VERIFIED AT NECROPSY: NOT OBSERVED
>SKIN & PELAGE; BROWN HAIR COAT; PERINEAL AREA; VERIFIED AT NECROPSY: OBSERVED
>EYES; PALE; EYES; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; OTHER; BLACK HAIR COAT - PERINEAL; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>EXCRETION; LIQUID FECES; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

LIVER (LI) :
-MASS(ES); ALL LOBES: MULTIPLE MASSES, UP 23 X 20 X 8 MM, ALL ARE TAN, BROWN, DARK RED AND FIRM; ALL ARE SAME ON CUT SURFACE; COLLECTED ON ROUTINE SECTIONS; REGIONAL LN (SEE HEPATIC)

PANCREAS (PA) :
-MASS(ES); INVOLVING ENTIRE ORGAN: SINGLE MASS, 45 X 40 X 35 MM, DARK RED AND TAN; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (SEE PANCREATIC)

HISTOPATHOLOGY

LIVER (LI) :
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL
-HYPERPLASIA, BILE DUCT,-MINIMAL
-N-CARCINOMA,-FROM PANCREAS
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATELY SEVERE
PANCREAS (PA) :
-M-CARCINOMA, ISLET CELL,-NEOPLASM PRESENT

TESTIS (TE) :
-MINERALIZATION, VASCULAR,-MINIMAL
LUNG (LU) :
-N-CARCINOMA,-FROM PANCREAS
THYROID (TY) :
-HYPERPLASIA, C-CELL,-SLIGHT
URINARY BLADDER (UB) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERPLASIA, TRANSITIONAL CELL,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92698 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 741.9 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 10:30 PROSECTOR: TONY HANFELD RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, OTHER (LN) : -LARGE; HEPATIC: UP TO 7 X 3 X 3 MM (CAP 22)	LN, OTHER (LN) : >TISSUE MISSING
	LN, ANT MES/PANC (AP) : -DIFFUSELY RED; PANCREATIC: DARK RED (CAP 23)	LN, ANT MES/PANC (AP) : >TISSUE MISSING >NOTE:>NO LYMPH NODE; SEE PANCREAS
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -STAINS-PERINEUM/PERIANAL; DRY BROWN MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92698 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 741.9 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 10:30 PROSECTOR: TONY HANFELD RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PARATHYROID (PT)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92699 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 636.6 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 10:52 PROSECTOR: GREGORY CODDINGTON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: NOT OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL PANCREAS (PA) : -ATROPHY, ACINAR,-MINIMAL -INFILTRATION, FAT, INTERSTITIAL,-MINIMAL
	TESTIS (TE) : -RED/YELLOW FOCUS(I)/AREA(S); RIGHT, BENEATH TUNICA: SINGLE YELLOW AREA, 11 X 10 MM	TESTIS (TE) : -ATROPHY/DEGENERATION,-SEVERE -B-INTERSTITIAL CELL TUMOR,-NEOPLASM PRESENT >NOTE:>UNILATERAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92699 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 636.6 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 10:52 PROSECTOR: GREGORY CODDINGTON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 8 X 7 X 5 MM, RED, TAN, GREY AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	TAIL (TI) : -CRUSTED AREA(S); PROXIMAL ONE THIRD: MULTIPLE BROWN AND DRY AREAS, UP TO 2 MM IN DIAMETER; COLLECTED	TAIL (TI) : -B-KERATOACANTHOMA,-NEOPLASM PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92699 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 636.6 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 10:52 PROSECTOR: GREGORY CODDINGTON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), THYROID (TY), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92700 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 532.2 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 11:24 PROSECTOR: TROY ELLENBECKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>APPEARANCE; SWOLLEN; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: NOT OBSERVED
>MASS(ES); AXILLARY REGION-LEFT; WEEK 98; 15 X 15MM; VERIFIED AT NECROPSY: NOT OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR,-MINIMAL
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL
-DEGENERATION, CYSTIC,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
PANCREAS (PA) :
-INFILTRATION, FAT, INTERSTITIAL,-SLIGHT
-INFLAMMATION, VASCULAR,-MODERATE
THYROID (TY) :
-B-ADENOMA, C-CELL,-NEOPLASM PRESENT
PARATHYROID (PT) :
-B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92700 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 532.2 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 11:24 PROSECTOR: TROY ELLENBECKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 10 X 7 X 5 MM, RED, TAN, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		URINARY BLADDER (UB) : -PROTEINACEOUS MATERIAL, LUMINAL,-PRESENT
	PROSTATE (PR) : -NODULAR; PROXIMAL SURROUNDING URETHRA: GREEN AND FIRM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92700 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 532.2 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 11:24 PROSECTOR: TROY ELLENBECKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), LUNG (LU)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92701 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/19/99 STUDY DAY OF DEATH: 365 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 555.8 GRAMS
DATE AND TIME OF NECROPSY: 04/19/99 15:44 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>MASS(ES); LIMB-FRONT-RIGHT; WEEK 47;
70 X 80MM; VERIFIED AT NECROPSY:
OBSERVED
>SKIN & PELAGE; SORE/SCAB; LIMB-FRONT-
RIGHT; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; THIN; VERIFIED AT
NECROPSY: OBSERVED
>APPEARANCE; HUNCHED; VERIFIED AT
NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; PALE; ENTIRE BODY;
VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; COLD TO TOUCH; ENTIRE BODY;
VERIFIED AT NECROPSY: NOT APPLICABLE
>EYES; RED DISCHARGE; EYE-RIGHT;
VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT
NECROPSY: NOT APPLICABLE

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-NECROSIS, INDIVIDUAL HEPATOCYTE,-
MINIMAL
-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL
-HYPERPLASIA, BILE DUCT,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR,
PERIPORTAL,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-
MODERATE
-MINERALIZATION, PELVIC,-MINIMAL
SPLEEN (SP) :
-HEMATOPOIESIS, EXTRAMEDULLARY,
INCREASED,-MODERATE
PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-MODERATE
ADRENAL, MEDULLA (MA) :
-UNILATERALLY EXAMINED,-PRESENT
LN, MESENTERIC (MS) :
-HEMORRHAGE,-PRESENT
MARROW, FEMUR (FM) :
-HYPERPLASIA, MYELOID, MARROW,-
MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92701 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/19/99 STUDY DAY OF DEATH: 365 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 555.8 GRAMS
DATE AND TIME OF NECROPSY: 04/19/99 15:44 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-MODERATELY SEVERE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE
	MUSCLE, SKELETAL (SM) : -MASS(ES); SURROUNDING ENTIRE FRONT RIGHT FORELIMB: SINGLE MASS,95 X 80 X 45 MM, TAN, RED, FIRM, AND LOBULATED; SAME ON CUT SURFACE; OVERLYING SKIN HAS A SINGLE DRY RED CRUSTED AREA, 60 X 55 MM; COLLECTED INTACT WITH MASS; REGIONAL LN (SEE AXILLARY)	MUSCLE, SKELETAL (SM) : -M-FIBROSARCOMA,-NEOPLASM PRESENT -INFLAMMATION, CHRONIC-ACTIVE,-SEVERE -BACTERIAL COLONIES,-PRESENT
		ESOPHAGUS (ES) : -HYPERKERATOSIS,-MODERATE PITUITARY (PI) : -HYPERPLASIA,-MINIMAL PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE EPIDIDYMIDES (EP) : -IMMATURE SPERM FORMS,-MINIMAL CAUSE OF DEATH (CD) : -NEOPLASM, SKIN/MUSCLE/SUBCUTIS,-PRESENT
	LN, AXILLARY (AX) : -LARGE; BILATERAL: EACH IS 7 X 4 X 2 MM (CAP 21)	LN, AXILLARY (AX) : -HEMORRHAGE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92701 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/19/99 STUDY DAY OF DEATH: 365 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 555.8 GRAMS
DATE AND TIME OF NECROPSY: 04/19/99 15:44 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, AXILLARY (AX) : -DIFFUSELY RED; BILATERAL: DARK RED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY RED MATERIAL -ANIMAL THIN	LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92701 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/19/99 STUDY DAY OF DEATH: 365 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 555.8 GRAMS
DATE AND TIME OF NECROPSY: 04/19/99 15:44 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, CORTEX (AC), TESTIS (TE), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), NERVE, SCIATIC (SN), TRACHEA (TR), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92702 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 601.7 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 10:10 PROSECTOR: JAMES T. CALLEN RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LIVER (LI) : -LIGHT FOCUS(I)/AREA(S); DIAPHRAGMATIC SURFACE OF LEFT LATERAL LOBE: SINGLE TAN AREA, 2 X 1 MM; COLLECTED ON ROUTINE SECTION PITUITARY (PI) : -MASS(ES); 12 X 7 X 5 MM, RED, DARK RED, TAN AND FIRM	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MODERATELY SEVERE -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-SLIGHT -FIBROSIS, PERIBILIARY,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-SLIGHT LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT STOMACH, GL (ST) : -EROSION,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92702 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 601.7 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 10:10 PROSECTOR: JAMES T. CALLEN RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN AREAS, UP TO 4 X 2 MM	
		URINARY BLADDER (UB) : -PROTEINACEOUS MATERIAL, LUMINAL,- PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92702 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 601.7 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 10:10 PROSECTOR: JAMES T. CALLEN RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), PARATHYROID (PT)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92703 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 06/16/99 STUDY DAY OF DEATH: 423 STUDY WEEK OF DEATH: 61 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 06/16/99 7:48 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: NOT OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATELY SEVERE PANCREAS (PA) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL ADRENAL, CORTEX (AC) : -PIGMENT,-MINIMAL THYMUS (TH) : -HEMORRHAGE,-PRESENT -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE HEART (HT) : -CARDIOMYOPATHY,-SLIGHT
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 11 X 9 X 6 MM, DARK RED AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92703 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 06/16/99 STUDY DAY OF DEATH: 423 STUDY WEEK OF DEATH: 61 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 06/16/99 7:48 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		JEJUNUM (JE) : >AUTOLYTIC PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -DISCHARGE-OCULAR; BILATERAL: DARK RED -DISCHARGE-NASAL; DARK RED	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92703 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 06/16/99 STUDY DAY OF DEATH: 423 STUDY WEEK OF DEATH: 61 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 06/16/99 7:48 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92704 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 860.3 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 12:35 PROSECTOR: JARED FISHEL RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 90; 20 X 20MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL -FIBROSIS, PERIBILIARY,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT PANCREAS (PA) : -ATROPHY, ACINAR,-MINIMAL
	LUNG (LU) : >NOTE:>TRIMMING COMMENT: MISSING FROM WET TISSUE AT TRIMMING	LUNG (LU) : >TISSUE MISSING
	TRACHEA (TR) : >NOTE:>TRIMMING COMMENT: MISSING FROM WET TISSUE AT TRIMMING	TRACHEA (TR) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL
	ESOPHAGUS (ES) : >NOTE:>TRIMMING COMMENT: MISSING FROM WET TISSUE AT TRIMMING	ESOPHAGUS (ES) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92704 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 860.3 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 12:35 PROSECTOR: JARED FISHEL RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	THYROID (TY) : >NOTE:>TRIMMING COMMENT: MISSING FROM WET TISSUE AT TRIMMING PARATHYROID (PT) : >NOTE:>TRIMMING COMMENT: MISSING FROM WET TISSUE AT TRIMMING SKIN (SK) : -MASS(ES); LEFT LATERAL ABDOMINAL REGION: SINGLE MASS, 25 MM IN DIAMETER, TAN AND FIRM; ON CUT SURFACE EXUDES A TAN, CASEOUS SEMISOLID; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 22); OVERLYING SKIN HAS A SINGLE DRY, TAN ULCERATED AREA, 8 MM IN DIAMETER; COLLECTED INTACT WITH MASS GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	THYROID (TY) : >TISSUE MISSING PARATHYROID (PT) : >TISSUE MISSING SKIN (SK) : -B-KERATOACANTHOMA,-NEOPLASM PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92704 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 860.3 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 12:35 PROSECTOR: JARED FISHEL RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), URINARY BLADDER (UB), LN, AXILLARY (AX)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92705 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 852.5 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 13:23 PROSECTOR: CHANESTA ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EYES; DISCOLORED/LIGHT RED; EYE-RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) : -LIGHT FOCUS(I)/AREA(S); LEFT MEDIAN LOBE: MULTIPLE TAN FOCI, UP TO 2 MM IN DIAMETER; COLLECTED	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MODERATE -VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR,-SLIGHT -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MODERATELY SEVERE -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MODERATE KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL PANCREAS (PA) : -ATROPHY, ACINAR,-SLIGHT -INFILTRATION, FAT, INTERSTITIAL,-SLIGHT LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92705 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 852.5 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 13:23 PROSECTOR: CHANESTA ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	THYROID (TY) : -LARGE; LEFT: 6 X 4 X 3 MM (RIGHT IS 4 X 3 X 2 MM)	
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	MAMMARY, MALE (MM) : -MASS(ES); LEFT LATERAL THORACIC REGION: SINGLE MASS, 20 X 15 X 7 MM, TAN, FIRM AND LOBULATED; SAME ON CUT SURFACE (CAP 23); REGIONAL LN (AXILLARY) NOT IDENTIFIED	MAMMARY, MALE (MM) : -B-FIBROADENOMA,-NEOPLASM PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92705 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 852.5 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 13:23 PROSECTOR: CHANESTA ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92706 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/28/00 STUDY DAY OF DEATH: 680 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: 789.7 GRAMS
DATE AND TIME OF NECROPSY: 02/28/00 14:42 PROSECTOR: TERRI L. WILLIAMS RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; LIMITED USE; LIMBS-HIND; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-M-ASTROCYTOMA,-NEOPLASM PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERPLASIA, BILE DUCT,-MINIMAL
-B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT
-MINERALIZATION, PELVIC,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-SEVERE
-INFILTRATION, FAT, INTERSTITIAL,-MINIMAL
ADRENAL, CORTEX (AC) :
-VACUOLATION, FOCAL,-SLIGHT
-PIGMENT,-MINIMAL
ADRENAL, MEDULLA (MA) :
-B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92706 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/28/00 STUDY DAY OF DEATH: 680 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: 789.7 GRAMS
DATE AND TIME OF NECROPSY: 02/28/00 14:42 PROSECTOR: TERRI L. WILLIAMS RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SEVERE HEART (HT) : -CARDIOMYOPATHY,-MINIMAL MUSCLE, SKELETAL (SM) : -ATROPHY,-MODERATE NERVE, SCIATIC (SN) : -DEGENERATION,-SLIGHT
	PITUITARY (PI) : -MASS(ES); 9 X 8 X 6 MM, RED, TAN, BROWN, AND SOFT STOMACH, GL (ST) : -THICKENED WALL; DIFFUSE	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT STOMACH, GL (ST) : -HYPERPLASIA, EPITHELIAL, GLANDULAR,-SLIGHT URINARY BLADDER (UB) : -PROTEINACEOUS MATERIAL, LUMINAL,-PRESENT CAUSE OF DEATH (CD) : -NEOPLASM, BRAIN,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED -DISCHARGE-NASAL; BILATERAL: RED -ANIMAL OBESE -DISCHARGE-ORAL; CLEAR	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92706 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/28/00 STUDY DAY OF DEATH: 680 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: 789.7 GRAMS
DATE AND TIME OF NECROPSY: 02/28/00 14:42 PROSECTOR: TERRI L. WILLIAMS RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92707 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/06/00 STUDY DAY OF DEATH: 627 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: 485.2 GRAMS
DATE AND TIME OF NECROPSY: 01/06/00 14:55 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE
>DISCHARGE; NASAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

LIVER (LI) :
-MOTTLED; ALL LOBES: TAN AND BROWN

KIDNEY (KD) :
-LARGE PELVIS(ES); BILATERAL
-LIGHT FOCUS(I)/AREA(S); RIGHT CORTICAL SURFACE: MULTIPLE TAN AREAS, UP TO 1 MM IN DIAMETER

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MODERATELY SEVERE
-CYST, BILIARY,-PRESENT
KIDNEY (KD) :
-INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
-BACTERIAL COLONIES,-PRESENT

SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-MODERATE
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE
HEART (HT) :
-CARDIOMYOPATHY,-MINIMAL
THYROID (TY) :
-HYPERPLASIA, C-CELL,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92707 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/06/00 STUDY DAY OF DEATH: 627 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: 485.2 GRAMS
DATE AND TIME OF NECROPSY: 01/06/00 14:55 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 15 X 11 X 10 MM, DARK RED, TAN, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: MULTIPLE TAN ERODED AREAS, UP TO 3 MM IN DIAMETER	STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-MODERATELY SEVERE -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
	PROSTATE (PR) : -NODULAR; DIFFUSE: GREEN AND FIRM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE
		SEMINAL VESICLES (SV) : -ATROPHY,-MODERATE
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	LN, LUMBAR/ILIAC (LM) : -MOTTLED; BILATERAL: DARK RED AND TAN (CAP 23)	LN, LUMBAR/ILIAC (LM) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE -HEMORRHAGE,-PRESENT
	CAVITY, ABDOM (PC) : -MASS(ES); ATTACHED TO ADIPOSE TISSUE CRANIAL TO LEFT TESTIS: SINGLE MASS, 6 X 5 X 5 MM, YELLOW AND FIRM; SAME ON CUT SURFACE (CAP 22); REGIONAL LN (SEE LUMBAR)	CAVITY, ABDOM (PC) : -INFLAMMATION / NECROSIS, FAT,-SLIGHT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92707 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/06/00 STUDY DAY OF DEATH: 627 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: 485.2 GRAMS
DATE AND TIME OF NECROPSY: 01/06/00 14:55 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -DISCHARGE-OCULAR; BILATERAL: DARK RED AND MOIST -DISCHARGE-NASAL; DARK RED AND DRY -URINARY BLADDER-LARGE LUMEN; 25 X 20 X 20 MM; CONTAINS A GREEN FLUID	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92707 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/06/00 STUDY DAY OF DEATH: 627 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: 485.2 GRAMS
DATE AND TIME OF NECROPSY: 01/06/00 14:55 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92708 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 724.1 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 9:44 PROSECTOR: JARED FISHEL RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MALOCCLUSION; VERIFIED AT
NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-BONE MARROW SMEAR TAKEN
-MALOCCLUSION; BILATERAL UPPER
INCISORS

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT
-DEGENERATION, CYSTIC,-MINIMAL
-HYPERPLASIA, BILE DUCT,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT
PANCREAS (PA) :
-ECTOPIC HEPATOCYTES,-PRESENT
TESTIS (TE) :
-B-INTERSTITIAL CELL TUMOR,-NEOPLASM PRESENT
THYROID (TY) :
-HYPERPLASIA, C-CELL,-SLIGHT
-B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92708 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 724.1 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 9:44 PROSECTOR: JARED FISHEL RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -DISCHARGE-OCULAR; RIGHT: DRY RED MATERIAL	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92709 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/12/00 STUDY DAY OF DEATH: 633 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/12/00 9:38 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR,-SLIGHT -NECROSIS, COAGULATIVE,-MINIMAL
	KIDNEY (KD) : -CYST(S); TRIMMING COMMENT: BILATERAL, DIFFUSE: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 1 MM IN DIAMETER -LARGE PELVIS(ES); BILATERAL -ROUGH SURFACE, DIFFUSE; BILATERAL	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SEVERE
		SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATELY SEVERE
	PANCREAS (PA) : -LARGE VESSELS; DIFFUSE: UP TO 6 MM IN DIAMETER (CAP 23)	PANCREAS (PA) : -INFLAMMATION, VASCULAR,-SEVERE
		ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MINIMAL -PIGMENT,-MINIMAL
	TESTIS (TE) : -SMALL; BILATERAL: LEFT IS 16 X 11 X 5 MM, RIGHT IS 20 X 12 X 6 MM; BOTH ARE SOFT	TESTIS (TE) : -ATROPHY/DEGENERATION,-SLIGHT -INFLAMMATION, VASCULAR,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92709 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/12/00 STUDY DAY OF DEATH: 633 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/12/00 9:38 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, FEMUR (FM) : -HYPERPLASIA, ERYTHROID, MARROW,-MODERATELY SEVERE MARROW, STERNUM (SE) : -HYPERPLASIA, ERYTHROID, MARROW,-MODERATELY SEVERE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE LUNG (LU) : -MINERALIZATION, SEPTAL,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-SLIGHT -MINERALIZATION, VASCULAR,-MODERATELY SEVERE PARATHYROID (PT) : -HYPERPLASIA,-MODERATE
	PITUITARY (PI) : -MASS(ES); 7 X 6 X 4 MM, TAN, GRAY, AND SOFT STOMACH, GL (ST) : -THICKENED WALL; DIFFUSE	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT STOMACH, GL (ST) : -MINERALIZATION, GLANDULAR MUCOSA,-MODERATELY SEVERE CECUM (CE) : >AUTOLYTIC COLON (CO) : >AUTOLYTIC

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92709 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/12/00 STUDY DAY OF DEATH: 633 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/12/00 9:38 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL
	SEMINAL VESICLES (SV) : -SMALL; BILATERAL: EACH IS 15 X 6 X 2 MM	SEMINAL VESICLES (SV) : -ATROPHY,-SEVERE
		EPIDIDYMIDES (EP) : -ATROPHY/DEGENERATION,-MODERATE -VACUOLATION, TUBULAR EPITHELIUM,-MODERATE
		CAUSE OF DEATH (CD) : -NEPHROPATHY,-PRESENT
	AORTA (AO) : -LARGE; DIFFUSE: UP TO 6 MM IN DIAMETER; COLLECTED	AORTA (AO) : -MINERALIZATION,-SLIGHT
	GENERAL COMMENT (GC) : -ANIMAL THIN -DISCHARGE-NASAL; DARK RED AND DRY	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92709 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/12/00 STUDY DAY OF DEATH: 633 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/12/00 9:38 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92710 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 08/18/99 STUDY DAY OF DEATH: 486 STUDY WEEK OF DEATH: 70 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 08/18/99 15:15 PROSECTOR: DAVID SCHUETTE RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT -DEGENERATION, CYSTIC,-MINIMAL -NECROSIS, COAGULATIVE,-MINIMAL -VACUOLATION, HEPATOCELLULAR,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL PANCREAS (PA) : -HYPERPLASIA, ISLET CELLS,-MINIMAL -ATROPHY, ACINAR,-MINIMAL MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-SLIGHT THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92710 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 08/18/99 STUDY DAY OF DEATH: 486 STUDY WEEK OF DEATH: 70 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 08/18/99 15:15 PROSECTOR: DAVID SCHUETTE RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PARATHYROID (PT) : >SECTION EXAMINED; TISSUE NOT PRESENT ILEUM (IL) : >AUTOLYTIC CECUM (CE) : >AUTOLYTIC COLON (CO) : >AUTOLYTIC CAUSE OF DEATH (CD) : -UNDETERMINED MICROSCOPICALLY,-PRESENT
	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92710 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 08/18/99 STUDY DAY OF DEATH: 486 STUDY WEEK OF DEATH: 70 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 08/18/99 15:15 PROSECTOR: DAVID SCHUETTE RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92711 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/19/00 STUDY DAY OF DEATH: 640 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/19/00 8:04 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -HYPERPLASIA, BILE DUCT,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-MINIMAL -HYPERPLASIA, CORTICAL,-MINIMAL -B-ADENOMA,-NEOPLASM PRESENT MARROW, FEMUR (FM) : -HYPOCELLULAR, MARROW,-MODERATE THYMUS (TH) : >TISSUE MISSING HEART (HT) : -CARDIOMYOPATHY,-SLIGHT ESOPHAGUS (ES) : -EXUDATE, LUMINAL,-PRESENT THYROID (TY) : -DILATATION / CYST, FOLLICULAR,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92711 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/19/00 STUDY DAY OF DEATH: 640 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/19/00 8:04 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 12 X 9 X 6 MM, DARK RED, TAN AND FIRM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -LIGHT FOCUS(I)/AREA(S); MUCOSA: SINGLE TAN SLIGHTLY RAISED AREA, 8 X 5 MM	STOMACH, GL (ST) : -FIBROSIS,-SLIGHT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	MAMMARY, MALE (MM) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 30 X 20 X 15 MM, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, MALE (MM) : -B-FIBROADENOMA,-NEOPLASM PRESENT
	GENERAL COMMENT (GC) : -DISCHARGE-OCULAR; BILATERAL: DRY RED MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92711 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/19/00 STUDY DAY OF DEATH: 640 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/19/00 8:04 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92712 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/13/99 STUDY DAY OF DEATH: 603 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: 497.3 GRAMS
DATE AND TIME OF NECROPSY: 12/13/99 8:32 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

LIVER (LI) :
-LIGHT FOCUS(I)/AREA(S); LEFT LATERAL LOBE: SINGLE TAN AREA, 5 X 3 MM; COLLECTED ON ROUTINE SECTION
>NOTE:>TRIMMING COMMENT: RIGHT MEDIAN LOBE OF LIVER MISSING AT TRIMMING

KIDNEY (KD) :
-LARGE PELVIS(ES); RIGHT

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT

LIVER (LI) :
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
-NECROSIS, COAGULATIVE,-SLIGHT
-INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT
-INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT

KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE

SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT

PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-MODERATE
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
-B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT
-INFILTRATION, FAT, INTERSTITIAL,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92712 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/13/99 STUDY DAY OF DEATH: 603 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: 497.3 GRAMS
DATE AND TIME OF NECROPSY: 12/13/99 8:32 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -PIGMENT,-MINIMAL THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE HEART (HT) : -CARDIOMYOPATHY,-MINIMAL THYROID (TY) : -DILATATION / CYST, FOLLICULAR,-PRESENT
	PITUITARY (PI) : -MASS(ES); 10 X 9 X 7 MM, RED, DARK RED, GREY, TAN AND SOFT PROSTATE (PR) : -GELATINOUS; CLEAR AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SEVERE SEMINAL VESICLES (SV) : -ATROPHY,-SEVERE EPIDIDYMIDES (EP) : -VACUOLATION, TUBULAR EPITHELIUM,-MODERATELY SEVERE CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	LN, RENAL (RL) : -LARGE; LEFT: UP TO 4 X 4 X 3 MM (RIGHT IS UP TO 3 X 3 X 2 MM) (CAP 22) -DIFFUSELY RED; LEFT	LN, RENAL (RL) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE -HEMORRHAGE,-PRESENT -INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92712 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/13/99 STUDY DAY OF DEATH: 603 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: 497.3 GRAMS
DATE AND TIME OF NECROPSY: 12/13/99 8:32 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY, RED MATERIAL -ANIMAL THIN	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92713 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 540.6 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 9:38 PROSECTOR: DONIA MEYER RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0305	.0056 %	.0134	WEIGHT TAKEN
RT ADRENAL (AD1)	.0304	.0056 %	.0133	WEIGHT TAKEN
BRAIN (BR)	2.2845	.4226 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.8515	.3425 %	.8105	WEIGHT TAKEN
RT KIDNEY (KD1)	1.8679	.3455 %	.8176	WEIGHT TAKEN
LIVER (LI)	18.6941	3.4580 %	8.1830	WEIGHT TAKEN
LUNG (LU)	2.0157	.3729 %	.8823	WEIGHT TAKEN
SPLEEN (SP)	.6982	.1292 %	.3056	WEIGHT TAKEN
LF TESTIS (TE0)	1.6468	.3046 %	.7209	WEIGHT TAKEN
RT TESTIS (TE1)	1.6167	.2991 %	.7077	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0130	.0024 %	.0057	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0112	.0021 %	.0049	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MINIMAL
-NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR,-MINIMAL
PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-SLIGHT
-INFILTRATE, LYMPHOHISTIOCYTIC,-SLIGHT
-HYPERPLASIA, ISLET CELLS,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92713 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 540.6 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 9:38 PROSECTOR: DONIA MEYER RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

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

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92714 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 533.8 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 13:29 PROSECTOR: MICHELE MARGGI RECORDER: MATTHEW AXTMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0325	.0061 %	.0131	WEIGHT TAKEN
RT ADRENAL (AD1)	.0386	.0072 %	.0155	WEIGHT TAKEN
BRAIN (BR)	2.4852	.4656 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	2.3377	.4379 %	.9406	WEIGHT TAKEN
RT KIDNEY (KD1)	2.2096	.4139 %	.8891	WEIGHT TAKEN
LIVER (LI)	20.0992	3.7653 %	8.0876	WEIGHT TAKEN
LUNG (LU)	5.3343	.9993 %	2.1464	WEIGHT TAKEN
SPLEEN (SP)	.6615	.1239 %	.2662	WEIGHT TAKEN
LF TESTIS (TE0)	1.8935	.3547 %	.7619	WEIGHT TAKEN
RT TESTIS (TE1)	1.9044	.3568 %	.7663	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0132	.0025 %	.0053	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0217	.0041 %	.0087	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT
-VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR,-SLIGHT
KIDNEY (KD) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-REGENERATION, TUBULAR EPITHELIUM,-MINIMAL
PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92714 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 533.8 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 13:29 PROSECTOR: MICHELE MARGGI RECORDER: MATTHEW AXTMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: MATTHEW AXTMAN

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PANCREAS (PA) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS -BONE MARROW SMEAR TAKEN	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92715 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 323.7 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 12:06 PROSECTOR: JODI THIEREN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LF KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	11.7462	3.6290 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN

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

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92715 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 323.7 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 12:06 PROSECTOR: JODI THIEREN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE),
BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM),
NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI),
HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE),
ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR),
SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN),
LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI),
LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP),
AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT),
DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO),
PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS),
BILE DUCT (BD), TRIGEMINAL NERVE (TG)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92716 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 429.7 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 10:40 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EYES; DISCOLORED/LIGHT RED; EYES; VERIFIED AT NECROPSY: NOT APPLICABLE >APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED >EXCRETION; NONFORMED FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT -MINERALIZATION, TUBULAR,-MINIMAL -CYST,-PRESENT
	TESTIS (TE) : -SMALL; BILATERAL: EACH IS 18 X 10 X 7 MM; BOTH ARE SOFT	TESTIS (TE) : -ATROPHY/DEGENERATION,-SEVERE
	THYMUS (TH) : -MISSING/NOT IDENTIFIED; NOT POSITIVELY IDENTIFIED, POSSIBLE REMNANTS COLLECTED	THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE
		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL
	URINARY BLADDER (UB) : -THICKENED WALL; DIFFUSE	URINARY BLADDER (UB) : -HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
	PROSTATE (PR) : -NODULAR; DISTAL END: GREEN AND FIRM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92716 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 429.7 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 10:40 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PROSTATE (PR) : -HYPERPLASIA, EPITHELIAL,-MODERATE
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, MEDIASTINAL (ML) : -CYST(S); SINGLE CLEAR FLUID FILLED CYST, 3 MM IN DIAMETER (CAP 22)	LN, MEDIASTINAL (ML) : -LYMPHANGIECTASIS,-MODERATE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92716 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 429.7 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 10:40 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), THYROID (TY), PARATHYROID (PT)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92717 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 599.1 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 10:44 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-THORACIC-LEFT; WEEK 86; 30 X 30MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -DEGENERATION, CYSTIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-SLIGHT -FIBROSIS, PERIBILIARY,-SLIGHT
>MASS(ES); DORSAL; WEEK 98; VERIFIED AT NECROPSY: NOT OBSERVED		
>SKIN & PELAGE; SORE/SCAB; DORSAL; VERIFIED AT NECROPSY: NOT OBSERVED	KIDNEY (KD) : -CYST(S); BILATERAL CORTICAL SURFACES: SINGLE CLEAR FLUID FILLED CYST ON EACH, LEFT IS 1 MM IN DIAMETER, RIGHT IS 2 MM IN DIAMETER -ROUGH SURFACE, DIFFUSE; BILATERAL -DIFFUSELY LIGHT; BILATERAL: TAN	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SEVERE -CYST,-PRESENT -THROMBUS,-PRESENT
		PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-MODERATE -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
		TESTIS (TE) : -INFLAMMATION, VASCULAR,-SLIGHT
		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL
	THYROID (TY) : -LARGE; TRIMMING COMMENT: BILATERAL: EACH IS 10 X 6 X 3 MM	THYROID (TY) : -DILATATION / CYST, FOLLICULAR,-PRESENT
		PARATHYROID (PT) : -HYPERPLASIA,-MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92717 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 599.1 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 10:44 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); RIGHT ANTERIOR ASPECT, AND RIGHT POSTERIOR ASPECT: SINGLE DARK RED AREA ON EACH, BOTH ARE 2 MM IN DIAMETER	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT -HYPERPLASIA,-SLIGHT
		SKIN (SK) : -B-FIBROMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	MAMMARY, MALE (MM) : -MASS(ES); LEFT LATERAL THORACIC REGION: SINGLE MASS, 35 X 30 X 20 MM, TAN, FIRM, AND VASCULAR; SAME ON CUT SURFACE; REGIONAL LN (AXILLARY) NORMAL (CAP 22)	MAMMARY, MALE (MM) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL >NOTE:>SEE SKIN FOR DIAGNOSIS OF MASS
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92717 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 599.1 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 10:44 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
URINARY BLADDER (UB), LN, AXILLARY (AX)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92718 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 278.5 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 12:00 PROSECTOR: JODI THIEREN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LF KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	9.1215	3.2752 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN

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

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92718 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 278.5 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 12:00 PROSECTOR: JODI THIEREN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE),
BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM),
NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI),
HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE),
ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR),
SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN),
LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI),
LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP),
AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT),
DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO),
PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS),
BILE DUCT (BD), TRIGEMINAL NERVE (TG)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92719 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 461.2 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 13:00 PROSECTOR: MICHELE MARGGI RECORDER: MATTHEW AXTMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0301	.0065 %	.0134	WEIGHT TAKEN
RT ADRENAL (AD1)	.0255	.0055 %	.0113	WEIGHT TAKEN
BRAIN (BR)	2.2522	.4883 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.9914	.4318 %	.8842	WEIGHT TAKEN
RT KIDNEY (KD1)	2.0458	.4436 %	.9084	WEIGHT TAKEN
LIVER (LI)	15.8391	3.4343 %	7.0327	WEIGHT TAKEN
LUNG (LU)	1.7406	.3774 %	.7728	WEIGHT TAKEN
SPLEEN (SP)	.6376	.1382 %	.2831	WEIGHT TAKEN
LF TESTIS (TE0)	1.6425	.3561 %	.7293	WEIGHT TAKEN
RT TESTIS (TE1)	1.6706	.3622 %	.7418	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0220	.0048 %	.0098	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0225	.0049 %	.0100	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

KIDNEY (KD) :
-LARGE PELVIS(ES); BILATERAL

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MINIMAL
KIDNEY (KD) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-DILATATION, PELVIC,-SLIGHT
-REGENERATION, TUBULAR EPITHELIUM,-MINIMAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92719 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 461.2 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 13:00 PROSECTOR: MICHELE MARGGI RECORDER: MATTHEW AXTMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: MATTHEW AXTMAN

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92720 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/16/99 STUDY DAY OF DEATH: 576 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/16/99 13:21 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>MASS(ES); VENTRAL-ABDOMINAL; WEEK 76;
140 X 130MM; VERIFIED AT NECROPSY:
OBSERVED
>SKIN & PELAGE; SORE/SCAB; VENTRAL-
ABDOMINAL-RIGHT; VERIFIED AT NECROPSY:
OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-NECROSIS, INDIVIDUAL HEPATOCYTE,-
MINIMAL
-VACUOLATION, HEPATOCELLULAR,
PERIPORTAL,-MINIMAL
-HYPERPLASIA, BILE DUCT,-SLIGHT
-FIBROSIS, PERIBILIARY,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-
MINIMAL
SPLEEN (SP) :
-HEMATOPOIESIS, EXTRAMEDULLARY,
INCREASED,-MODERATELY SEVERE
PANCREAS (PA) :
-INFILTRATE, MACROPHAGE, PIGMENTED,-
MINIMAL
ADRENAL, CORTEX (AC) :
-PIGMENT,-MINIMAL
MARROW, FEMUR (FM) :
-HYPERPLASIA, MYELOID, MARROW,-
MODERATELY SEVERE
MARROW, STERNUM (SE) :
-HYPERPLASIA, MYELOID, MARROW,-
MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92720 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/16/99 STUDY DAY OF DEATH: 576 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/16/99 13:21 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SEVERE LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL SKIN (SK) : -M-FIBROSARCOMA,-NEOPLASM PRESENT CAUSE OF DEATH (CD) : -NEOPLASM, SKIN/MUSCLE/SUBCUTIS,-PRESENT
	MAMMARY, MALE (MM) : -MASS(ES); RIGHT ABDOMINAL REGION: SINGLE MASS, 150 X 140 X 50 MM, RED, DARK RED, TAN, VASCULAR, AND FIRM; SOME AREAS EXUDE A DARK BROWN FLUID; PORTION COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED; OVERLYING SKIN OF MASS HAS A SINGLE DARK BROWN, DRY, CRUSTED AREA, 90 X 65 MM; COLLECTED WITH PORTION OF MASS	MAMMARY, MALE (MM) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL >NOTE:>SEE SKIN FOR DIAGNOSIS
	CAVITY, ABDOM (PC) : -MASS(ES); ATTACHED TO ADIPOSE TISSUE SURROUNDING RIGHT TESTIS: SINGLE MASS, 13 X 5 X 4 MM, TAN AND FIRM; SAME ON CUT SURFACE; (CAP 22); REGIONAL LN (LUMBAR) NOT IDENTIFIED	CAVITY, ABDOM (PC) : -INFLAMMATION / NECROSIS, FAT,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92720 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/16/99 STUDY DAY OF DEATH: 576 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/16/99 13:21 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92721 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/28/99 STUDY DAY OF DEATH: 557 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: 540.6 GRAMS
DATE AND TIME OF NECROPSY: 10/28/99 8:30 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; MISSING; TEETH; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>EXCRETION; NONFORMED FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; SENSITIVE TO TOUCH; VERIFIED AT NECROPSY: NOT APPLICABLE
>EYES; SQUINTED; PERI-ORBITAL-RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: NOT OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

KIDNEY (KD) :
-ROUGH SURFACE, DIFFUSE; BILATERAL

PANCREAS (PA) :
-DIFFUSELY RED; RED

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MODERATE
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-MODERATELY SEVERE
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
-ATROPHY, ACINAR,-MINIMAL
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SEVERE
HEART (HT) :
-CARDIOMYOPATHY,-SLIGHT
PITUITARY (PI) :
-B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92721 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/28/99 STUDY DAY OF DEATH: 557 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: 540.6 GRAMS
DATE AND TIME OF NECROPSY: 10/28/99 8:30 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

PITUITARY (PI) :
-MASS(ES); 12 X 6 X 6 MM, DARK RED, TAN, SOFT, AND LOBULATED

STOMACH, GL (ST) :
-DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE PINPOINT DARK BROWN AREAS
-THICKENED WALL; MUCOSA: DIFFUSE

STOMACH, NONGL (SU) :
-EROSION/ULCERATION; MUCOSA: SINGLE DARK BROWN ERODED AREA, 4 MM IN DIAMETER
-THICKENED WALL; MUCOSA: DIFFUSE
-DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE PINPOINT DARK BROWN AREAS

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-MALOCCLUSION; BILATERAL, LOWER INCISORS
-TEETH MISSING/BROKEN/WORN; BILATERAL, UPPER INCISORS: BROKEN OFF AT BASE

HISTOPATHOLOGY

HARDERIAN GLAND (HG) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL

STOMACH, GL (ST) :
-INFLAMMATION, ACUTE,-SLIGHT

STOMACH, NONGL (SU) :
-ACANTHOSIS / HYPERKERATOSIS,-MODERATE
-ULCERATION,-MODERATE
-INFLAMMATION, CHRONIC-ACTIVE,-MODERATE

URINARY BLADDER (UB) :
-PROTEINACEOUS MATERIAL, LUMINAL,-PRESENT

PROSTATE (PR) :
-INFLAMMATION, CHRONIC-ACTIVE,-MODERATE

CAUSE OF DEATH (CD) :
-NEOPLASM, PITUITARY,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92721 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/28/99 STUDY DAY OF DEATH: 557 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: 540.6 GRAMS
DATE AND TIME OF NECROPSY: 10/28/99 8:30 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -DISCHARGE-OCULAR; RIGHT: DRY RED MATERIAL	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92722 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 504.7 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 11:30 PROSECTOR: LAURIE J. SCHULLER RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0278	.0055 %	.0125	WEIGHT TAKEN
RT ADRENAL (AD1)	.0245	.0049 %	.0110	WEIGHT TAKEN
BRAIN (BR)	2.2279	.4414 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.7612	.3490 %	.7905	WEIGHT TAKEN
RT KIDNEY (KD1)	1.7928	.3552 %	.8047	WEIGHT TAKEN
LIVER (LI)	16.2488	3.2195 %	7.2933	WEIGHT TAKEN
LUNG (LU)	2.2034	.4366 %	.9890	WEIGHT TAKEN
SPLEEN (SP)	.6357	.1260 %	.2853	WEIGHT TAKEN
LF TESTIS (TE0)	1.5641	.3099 %	.7021	WEIGHT TAKEN
RT TESTIS (TE1)	1.5630	.3097 %	.7016	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0102	.0020 %	.0046	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0107	.0021 %	.0048	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

LN, MESENTERIC (MS) :
>NOTE:>TRIMMING COMMENT: MESENTERIC LN MISSING FROM WET TISSUE AT TIME OF TRIMMING

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MINIMAL
KIDNEY (KD) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-REGENERATION, TUBULAR EPITHELIUM,-MINIMAL
LN, MESENTERIC (MS) :
>TISSUE MISSING

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92722 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 504.7 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 11:30 PROSECTOR: LAURIE J. SCHULLER RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS | NECROPSY | HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

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

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92723 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/23/99 STUDY DAY OF DEATH: 552 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 685.3 GRAMS
DATE AND TIME OF NECROPSY: 10/23/99 9:58 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>EYES; SQUINTED; PERI-ORBITAL-RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; RED HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MODERATE
-HYPERPLASIA, BILE DUCT,-SLIGHT
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT
-INFLAMMATION, SUPPURATIVE, PELVIC,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
PANCREAS (PA) :
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
ADRENAL, CORTEX (AC) :
-HYPERPLASIA, CORTICAL,-MINIMAL
-PIGMENT,-MINIMAL
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92723 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/23/99 STUDY DAY OF DEATH: 552 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 685.3 GRAMS
DATE AND TIME OF NECROPSY: 10/23/99 9:58 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		HEART (HT) : -CARDIOMYOPATHY,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 13 X 8 X 5 MM, DARK RED AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		SALIV GL, MANDIB (SG) : -HYPERPLASIA, GLANDULAR,-MINIMAL STOMACH, GL (ST) : -INFLAMMATION, ACUTE,-MINIMAL
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: MULTIPLE REDDISH-TAN ERODED AREAS, UP TO 4 X 2 MM -THICKENED WALL; MUCOSA: DIFFUSE	STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-MODERATE -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
	PROSTATE (PR) : -NODULAR; PROXIMAL, SURROUNDING URETHRA: GREEN AND FIRM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
	SEMINAL VESICLES (SV) : -LARGE; BILATERAL: EACH IS 30 X 13 X 5 MM	SEMINAL VESICLES (SV) : -SECRETION, INCREASED,-PRESENT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED AND CRUSTED	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92723 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/23/99 STUDY DAY OF DEATH: 552 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 685.3 GRAMS
DATE AND TIME OF NECROPSY: 10/23/99 9:58 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-STAINS - SKIN/HAIRCOAT; ENTIRE
VENTRAL SURFACE OF ANIMAL: DARK RED
AND DRY

HISTOPATHOLOGY

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92724 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 975.4 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 11:12 PROSECTOR: CHANESTA ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL; WEEK 73; 10 X 10MM; VERIFIED AT NECROPSY: NOT OBSERVED		LIVER (LI) :
		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT
>WART LIKE LESION(S); DORSAL; WEEK 96; VERIFIED AT NECROPSY: OBSERVED		-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-SLIGHT
>SKIN & PELAGE; SORE/SCAB; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT
		PANCREAS (PA) :
		-INFILTRATION, FAT, INTERSTITIAL,-MODERATE
		THYROID (TY) :
		-DILATATION / CYST, FOLLICULAR,-PRESENT
		-B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-RED FOCUS(I)/AREA(S); RIGHT POSTERIOR ASPECT: SINGLE DARK RED AREA, 1 MM IN DIAMETER	-B-ADENOMA,-NEOPLASM PRESENT
	SKIN (SK) :	SKIN (SK) :
	-CRUSTED AREA(S); MID VENTRAL ABDOMINAL AREA: SINGLE TAN, RED, DARK RED AND DRY CRUSTED AREA, 10 X 8 MM; (CAP 22)	-B-KERATOACANTHOMA,- 2 NEOPLASMS PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92724 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 975.4 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 11:12 PROSECTOR: CHANESTA ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	SKIN (SK) : -RAISED FOCUS(I)/AREA(S); MID DORSAL THORACIC REGION: TWO YELLOW, DARK RED AND DRY AREAS, UP TO 9 X 3 X 2 MM (CAP 23)	
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -ANIMAL OBESE	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92724 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 975.4 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 11:12 PROSECTOR: CHANESTA ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), LUNG (LU), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92725 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/17/99 STUDY DAY OF DEATH: 363 STUDY WEEK OF DEATH: 52 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/17/99 9:08 PROSECTOR: STEVE VAN ADESTINE RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>RESPIRATION; AUDIBLE; VERIFIED AT NECROPSY: NOT APPLICABLE		BRAIN (BR) :
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE		-HEMORRHAGE,-MINIMAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) :
>BEHAVIOR; SENSITIVE TO TOUCH; VERIFIED AT NECROPSY: NOT APPLICABLE		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED		-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MINIMAL
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
>SKIN & PELAGE; RED HAIR COAT; HEAD-MAXILLARY-LEFT; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) :
>SKIN & PELAGE; RED HAIR COAT; HEAD-MAXILLARY-RIGHT; VERIFIED AT NECROPSY: OBSERVED	LN, MESENTERIC (MS) :	-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
	-LARGE; UP TO 35 X 22 X 18 MM	SPLEEN (SP) :
	-DIFFUSELY RED; DARK RED	-PIGMENT, INCREASED,-MINIMAL
		ADRENAL, MEDULLA (MA) :
		-HYPERPLASIA, MEDULLARY,-MINIMAL
		LN, MESENTERIC (MS) :
		-M-HEMANGIOSARCOMA,-NEOPLASM PRESENT
		THYMUS (TH) :
		-HEMORRHAGE,-PRESENT
		-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE
		LUNG (LU) :
		-CONGESTION,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92725 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/17/99 STUDY DAY OF DEATH: 363 STUDY WEEK OF DEATH: 52 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/17/99 9:08 PROSECTOR: STEVE VAN ADESTINE RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LUNG (LU) : -HEMORRHAGE,-PRESENT HEART (HT) : -CARDIOMYOPATHY,-SLIGHT ESOPHAGUS (ES) : -EXUDATE, LUMINAL,-PRESENT HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
	STOMACH, GL (ST) : -RED FOCUS(I)/AREA(S); PYLORIC MUCOSA: SINGLE AREA, 2 X 1 MM	STOMACH, GL (ST) : -EDEMA,-MODERATE -INFLAMMATION, ACUTE,-MINIMAL -HEMORRHAGE,-MINIMAL
	URINARY BLADDER (UB) : -DIFFUSELY RED; DARK RED	URINARY BLADDER (UB) : -HEMORRHAGE,-SLIGHT
	PROSTATE (PR) : -NODULAR; DIFFUSE: GREEN AND FIRM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
		EPIDIDYMIDES (EP) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		CAUSE OF DEATH (CD) : -NEOPLASM, ABDOMINAL CAVITY,-PRESENT
	GENERAL COMMENT (GC) : -DISCHARGE-OCULAR; BILATERAL: DARK RED, DRY, CRUSTED MATERIAL -DISCHARGE-NASAL; DARK RED, DRY, CRUSTED MATERIAL; CONSISTENT WITH RED HAIR COAT (BILATERAL, MAXILLARY) AS NOTED IN CLINICAL OBSERVATIONS	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92725 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/17/99 STUDY DAY OF DEATH: 363 STUDY WEEK OF DEATH: 52 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/17/99 9:08 PROSECTOR: STEVE VAN ADESTINE RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, CORTEX (AC), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), SEMINAL VESICLES (SV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92726 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 736.5 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 8:38 PROSECTOR: TROY ELLENBECKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MODERATE -DEGENERATION, CYSTIC,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-MODERATE LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL
	THYROID (TY) : -LARGE; RIGHT: 10 X 6 X 4 MM (LEFT IS 7 X 3 X 2 MM)	THYROID (TY) : -M-CARCINOMA, FOLLICULAR CELL,-NEOPLASM PRESENT -B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); MID ASPECT: SINGLE DARK RED AREA, 4 X 3 MM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92726 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 736.5 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 8:38 PROSECTOR: TROY ELLENBECKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-BONE MARROW SMEAR TAKEN
GENERAL INFORMATION (XX) :
>NOTE:>ANIMAL IDENTIFICATION
TRANSPONDER DAMAGED AT NECROPSY

HISTOPATHOLOGY

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92727 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/09/00 STUDY DAY OF DEATH: 630 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/09/00 10:04 PROSECTOR: DONIA MEYER RECORDER: DONIA MEYER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LIVER (LI) : -MOTTLED; ALL LOBES: DARK RED AND TAN KIDNEY (KD) : -GRANULAR MATERIAL; LEFT, WITHIN PELVIS: MULTIPLE TAN GRANULES, UP TO 2 MM IN DIAMETER -ROUGH SURFACE, DIFFUSE; BILATERAL TESTIS (TE) : -SMALL; RIGHT: 18 X 13 X 2 MM (LEFT IS 18 X 13 X 8 MM); RIGHT IS SOFT	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MODERATELY SEVERE -HYPERPLASIA, BILE DUCT,-MINIMAL -FIBROSIS, PERIBILIARY,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT -MINERALIZATION, PELVIC,-MODERATELY SEVERE -HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT -INFLAMMATION, CHRONIC-ACTIVE, PELVIC,-MODERATE PANCREAS (PA) : -ATROPHY, ACINAR,-MODERATELY SEVERE -INFILTRATION, FAT, INTERSTITIAL,-MODERATELY SEVERE ADRENAL, CORTEX (AC) : -PIGMENT,-SLIGHT TESTIS (TE) : -ATROPHY/DEGENERATION,-SEVERE >NOTE:>UNILATERAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92727 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/09/00 STUDY DAY OF DEATH: 630 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/09/00 10:04 PROSECTOR: DONIA MEYER RECORDER: DONIA MEYER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,-MODERATE MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-SEVERE THYMUS (TH) : >SECTION EXAMINED; TISSUE NOT PRESENT LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FIBROSIS,-MINIMAL -MINERALIZATION, ALVEOLAR LUMINA,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-MODERATE
	PITUITARY (PI) : -MASS(ES); 10 X 9 X 5 MM, TAN AND SOFT STOMACH, GL (ST) : -RED FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK RED AREAS, UP TO 2 X 1 MM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT STOMACH, GL (ST) : >UNREMARKABLE
		JEJUNUM (JE) : >AUTOLYTIC CECUM (CE) : >AUTOLYTIC URINARY BLADDER (UB) : -HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92727 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/09/00 STUDY DAY OF DEATH: 630 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/09/00 10:04 PROSECTOR: DONIA MEYER RECORDER: DONIA MEYER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	SEMINAL VESICLES (SV) : -SMALL; BILATERAL: EACH IS 15 X 8 X 1 MM	SEMINAL VESICLES (SV) : -ATROPHY,-SEVERE
		CAUSE OF DEATH (CD) : -INFLAMMATION / INFECTION,-PRESENT
	FOOT/FOOTPAD (FP) : -CRUSTED AREA(S); LEFT HIND FOOT: SINGLE DRY AREA, 5 MM IN DIAMETER; COLLECTED	FOOT/FOOTPAD (FP) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE
	GENERAL COMMENT (GC) : -GI TRACT-LARGE LUMEN; ENTIRE GI TRACT: UP TO 10 MM IN DIAMETER	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92727 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/09/00 STUDY DAY OF DEATH: 630 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/09/00 10:04 PROSECTOR: DONIA MEYER RECORDER: DONIA MEYER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), ILEUM (IL), COLON (CO), RECTUM (RE), SKIN (SK), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92728 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 580.9 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 11:39 PROSECTOR: TROY ELLENBECKER RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0439	.0076 %	.0207	WEIGHT TAKEN
RT ADRENAL (AD1)	.0398	.0069 %	.0188	WEIGHT TAKEN
BRAIN (BR)	2.1202	.3650 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	2.3132	.3982 %	1.0910	WEIGHT TAKEN
RT KIDNEY (KD1)	2.3640	.4070 %	1.1150	WEIGHT TAKEN
LIVER (LI)	23.2456	4.0017 %	10.9639	WEIGHT TAKEN
LUNG (LU)	2.0336	.3501 %	.9592	WEIGHT TAKEN
SPLEEN (SP)	.8902	.1532 %	.4199	WEIGHT TAKEN
LF TESTIS (TE0)	1.5272	.2629 %	.7203	WEIGHT TAKEN
RT TESTIS (TE1)	1.5527	.2673 %	.7323	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0132	.0023 %	.0062	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0133	.0023 %	.0063	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

LN, MANDIBULAR (MN) :
-DIFFUSELY RED; BILATERAL: DARK RED
(CAP 21)

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR,-SLIGHT
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT
LN, MANDIBULAR (MN) :
>NOT REQUIRED TO BE EXAMINED FOR ANIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92728 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 580.9 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 11:39 PROSECTOR: TROY ELLENBECKER RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS | NECROPSY | HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92729 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/20/99 STUDY DAY OF DEATH: 549 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 532.7 GRAMS
DATE AND TIME OF NECROPSY: 10/20/99 13:55 PROSECTOR: JARED FISHEL RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: NOT OBSERVED
>MASS(ES); INGUINAL REGION-LEFT; WEEK 77; 20 X 20MM; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MINIMAL
-HYPERPLASIA, BILE DUCT,-MINIMAL
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT
-HYALINE DROPLETS, TUBULAR EPITHELIUM,-SLIGHT
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
PANCREAS (PA) :
-INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT
-ATROPHY, ACINAR,-SLIGHT
ADRENAL, CORTEX (AC) :
-HYPERTROPHY, CORTICAL CELL,-MINIMAL
TESTIS (TE) :
>UNREMARKABLE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92729 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/20/99 STUDY DAY OF DEATH: 549 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 532.7 GRAMS
DATE AND TIME OF NECROPSY: 10/20/99 13:55 PROSECTOR: JARED FISHEL RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	TESTIS (TE) : -SMALL; BILATERAL: EACH IS 18 X 10 X 6 MM; EACH IS SOFT	
		HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 9 MM IN DIAMETER, DARK RED AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
	PROSTATE (PR) : -SMALL; 15 X 10 X 5 MM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
	SEMINAL VESICLES (SV) : -SMALL; BILATERAL: EACH IS 10 X 5 X 2 MM	SEMINAL VESICLES (SV) : -SECRETION, DECREASED,-PRESENT
		EPIDIDYMIDES (EP) : -HYPOSPERMIA,-PRESENT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	LN, LUMBAR/ILIAC (LM) : -CYST(S); RIGHT, INVOLVING ENTIRE NODE: SINGLE CLEAR FLUID FILLED CYST, 12 X 7 X 6 MM (CAP 22)	LN, LUMBAR/ILIAC (LM) : -LYMPHANGIECTASIS,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: RED AND DRY MATERIAL -DISCHARGE-NASAL; RED AND DRY MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92729 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/20/99 STUDY DAY OF DEATH: 549 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 532.7 GRAMS
DATE AND TIME OF NECROPSY: 10/20/99 13:55 PROSECTOR: JARED FISHEL RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92730 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 547.7 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 10:21 PROSECTOR: JARED FISHEL RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); HEAD-MAXILLARY-LEFT; WEEK 105; VERIFIED AT NECROPSY: OBSERVED >BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE PINPOINT DARK RED AREAS; COLLECTED ON ROUTINE SECTIONS PITUITARY (PI) : -MASS(ES); 9 MM IN DIAMETER, RED, TAN AND SOFT	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -DEGENERATION, CYSTIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-MODERATE -M-CARCINOMA, ISLET CELL,-NEOPLASM PRESENT -B-ADENOMA, ISLET CELL,- 2 NEOPLASMS PRESENT LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT SKIN (SK) : -ACANTHOSIS/HYPERKERATOSIS,-SLIGHT -INFLAMMATION, CHRONIC-ACTIVE,-SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92730 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 547.7 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 10:21 PROSECTOR: JARED FISHEL RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	SKIN (SK) : -MASS(ES); LEFT MAXILLARY REGION NEAR COMMISSURE: SINGLE MASS, 6 X 4 X 2 MM, GRAY AND FIRM (CAP 22); REGIONAL LN (MANDIBULAR) NORMAL (CAP 23)	SKIN (SK) : -ULCERATION,-MODERATE -FIBROSIS,-MODERATE CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATELY SEVERE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY RED MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92730 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 547.7 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 10:21 PROSECTOR: JARED FISHEL RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), THYROID (TY), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92731 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 321.0 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 12:13 PROSECTOR: LYNN HORNER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LF KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	11.3081	3.5232 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN

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

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92731 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 321.0 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 12:13 PROSECTOR: LYNN HORNER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE),
BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM),
NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI),
HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE),
ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR),
SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN),
LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI),
LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP),
AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT),
DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO),
PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS),
BILE DUCT (BD), TRIGEMINAL NERVE (TG)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92732 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/18/99 STUDY DAY OF DEATH: 578 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/18/99 13:28 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-SLIGHT -FIBROSIS, PERIBILIARY,-SLIGHT
	KIDNEY (KD) : -LARGE PELVIS(ES); LEFT	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE
		SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT
		ADRENAL, CORTEX (AC) : -VACUOLATION, DIFFUSE,-SLIGHT
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE
		HEART (HT) : -CARDIOMYOPATHY,-SLIGHT
		CAUSE OF DEATH (CD) : -UNDETERMINED MICROSCOPICALLY,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92732 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/18/99 STUDY DAY OF DEATH: 578 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/18/99 13:28 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92733 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/27/99 STUDY DAY OF DEATH: 617 STUDY WEEK OF DEATH: 89 TERMINAL BODY WEIGHT: 411.6 GRAMS
DATE AND TIME OF NECROPSY: 12/27/99 14:38 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; RED HAIR COAT; LATERAL-ABDOMINAL-RIGHT; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MINIMAL
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
-DEGENERATION, CYSTIC,-MINIMAL
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-MINERALIZATION, PELVIC,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
PANCREAS (PA) :
-INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT
-HYPERTROPHY / BASOPHILIA, ACINAR CELL,-MINIMAL
ADRENAL, CORTEX (AC) :
-VACUOLATION, FOCAL,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92733 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/27/99 STUDY DAY OF DEATH: 617 STUDY WEEK OF DEATH: 89 TERMINAL BODY WEIGHT: 411.6 GRAMS
DATE AND TIME OF NECROPSY: 12/27/99 14:38 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -PIGMENT,-MINIMAL THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SEVERE
	PITUITARY (PI) : -MASS(ES); 10 X 9 X 9 MM, RED, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		STOMACH, GL (ST) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL
	STOMACH, NONGL (SU) : -THICKENED WALL; MULTIPLE THICKENED AREAS	STOMACH, NONGL (SU) : >UNREMARKABLE
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN -STAINS - SKIN/HAIRCOAT; RIGHT LATERAL HEAD AND RIGHT LATERAL THORACIC REGIONS: DARK RED AND DRY	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92733 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/27/99 STUDY DAY OF DEATH: 617 STUDY WEEK OF DEATH: 89 TERMINAL BODY WEIGHT: 411.6 GRAMS
DATE AND TIME OF NECROPSY: 12/27/99 14:38 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92734 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 318.2 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 12:08 PROSECTOR: LYNN HORNER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LF KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	9.9230	3.1183 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN

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

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92734 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 318.2 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 12:08 PROSECTOR: LYNN HORNER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE),
BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM),
NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI),
HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE),
ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR),
SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN),
LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI),
LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP),
AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT),
DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO),
PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS),
BILE DUCT (BD), TRIGEMINAL NERVE (TG)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92735 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 804.1 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 10:27 PROSECTOR: JERALD W. JOHNSON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 4 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MODERATELY SEVERE -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-SLIGHT -HYPERPLASIA, BILE DUCT,-SLIGHT -FIBROSIS, PERIBILIARY,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT -MINERALIZATION, PELVIC,-SLIGHT -HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT PANCREAS (PA) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL -INFILTRATION, FAT, INTERSTITIAL,-MODERATE
	THYROID (TY) : -LARGE; BILATERAL: EACH IS 7 X 5 X 3 MM	THYROID (TY) : -DILATATION / CYST, FOLLICULAR,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92735 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 804.1 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 10:27 PROSECTOR: JERALD W. JOHNSON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN -ANIMAL OBESE	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), LUNG (LU), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92736 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 867.1 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 7:48 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-SLIGHT -HYPERPLASIA, BILE DUCT,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE -MINERALIZATION, PELVIC,-MINIMAL -HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT PANCREAS (PA) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL -M-CARCINOMA, ISLET CELL,-NEOPLASM PRESENT
	ADRENAL, CORTEX (AC) : -LARGE; RIGHT: 6 MM IN DIAMETER (LEFT IS 5 X 4 X 4 MM)	ADRENAL, CORTEX (AC) : -PIGMENT,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92736 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 867.1 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 7:48 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,- 2 NEOPLASMS PRESENT
	TESTIS (TE) : -SMALL; RIGHT: 19 X 11 X 6 MM (LEFT IS 26 X 15 X 11 MM); RIGHT APPEARS SOFT	TESTIS (TE) : -ATROPHY/DEGENERATION,-SEVERE -INFLAMMATION, VASCULAR,-SLIGHT >NOTE:>UNILATERAL
		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL
		THYROID (TY) : -DILATATION / CYST, FOLLICULAR,-PRESENT
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); MID ANTERIOR ASPECT: SINGLE FOCUS, 1 MM IN DIAMETER	PITUITARY (PI) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL
	STOMACH, GL (ST) : -THICKENED WALL; MUCOSA: DIFFUSE	STOMACH, GL (ST) : >UNREMARKABLE
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: DARK RED; COLLECTED	LN, MANDIBULAR (MN) : -HEMORRHAGE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	
	GENERAL INFORMATION (XX) : >NOTE:>ANIMAL IDENTIFICATION TRANSPONDER DAMAGED AT NECROPSY	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92736 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 867.1 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 7:48 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92737 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/16/00 STUDY DAY OF DEATH: 637 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: 566.2 GRAMS
DATE AND TIME OF NECROPSY: 01/16/00 8:06 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); DORSAL; WEEK 78; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED >EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE >APPEARANCE; CONVULSIONS; VERIFIED AT NECROPSY: NOT APPLICABLE >BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE >RESPIRATION; IRREGULAR; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MINIMAL -DEGENERATION, CYSTIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MINIMAL PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-SEVERE -INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT ADRENAL, CORTEX (AC) : -PIGMENT,-SLIGHT MARROW, FEMUR (FM) : -HYPOCELLULAR, MARROW,-MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92737 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/16/00 STUDY DAY OF DEATH: 637 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: 566.2 GRAMS
DATE AND TIME OF NECROPSY: 01/16/00 8:06 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-SLIGHT
	PITUITARY (PI) : -MASS(ES); 13 X 9 X 9 MM, DARK RED, TAN, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		STOMACH, GL (ST) : -HYPERPLASIA, EPITHELIAL, GLANDULAR,-MODERATE
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: MULTIPLE TAN ERODED AREAS, UP TO 2 MM IN DIAMETER -THICKENED WALL; DIFFUSE	STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-MODERATE -ULCERATION,-MINIMAL -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE
	SKIN (SK) : -RAISED FOCUS(I)/AREA(S); MID DORSAL LUMBAR REGION: SINGLE TAN AND DRY AREA, 7 X 6 X 5 MM (CAP 22); POSSIBLY CONSISTENT WITH MASS NOTED IN CLINICAL OBSERVATIONS	SKIN (SK) : -B-KERATOACANTHOMA,-NEOPLASM PRESENT
		URINARY BLADDER (UB) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92737 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/16/00 STUDY DAY OF DEATH: 637 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: 566.2 GRAMS
DATE AND TIME OF NECROPSY: 01/16/00 8:06 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-DISCHARGE-OCULAR; DARK RED AND DRY

HISTOPATHOLOGY

URINARY BLADDER (UB) :
-PROTEINACEOUS MATERIAL, LUMINAL,-PRESENT
PROSTATE (PR) :
-INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
CAUSE OF DEATH (CD) :
-NEOPLASM, PITUITARY,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92737 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/16/00 STUDY DAY OF DEATH: 637 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: 566.2 GRAMS
DATE AND TIME OF NECROPSY: 01/16/00 8:06 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), KIDNEY (KD), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92738 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/20/00 STUDY DAY OF DEATH: 641 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/20/00 7:58 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MINIMAL -NECROSIS, COAGULATIVE,-MINIMAL -HYPERPLASIA, BILE DUCT,-SLIGHT -HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -DILATATION, PELVIC,-MINIMAL PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-SEVERE
	ADRENAL, CORTEX (AC) : -LARGE; RIGHT: 10 X 8 X 6 MM (LEFT IS 5 X 4 X 3 MM)	ADRENAL, CORTEX (AC) : -B-ADENOMA,-NEOPLASM PRESENT ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT TESTIS (TE) : -M-MALIGNANT INTERSTITIAL CELL TUMOR,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92738 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/20/00 STUDY DAY OF DEATH: 641 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/20/00 7:58 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		HEART (HT) : -CARDIOMYOPATHY,-SLIGHT THYROID (TY) : -HYPERTROPHY, FOLLICULAR CELL,-MODERATE
	PITUITARY (PI) : -MASS(ES); 10 X 6 X 6 MM, DARK RED, GREY, TAN AND FIRM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		JEJUNUM (JE) : >AUTOLYTIC URINARY BLADDER (UB) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE SEMINAL VESICLES (SV) : -ATROPHY,-MODERATELY SEVERE -INFILTRATE, LYMPHOHISTIOCYTIC,-MODERATELY SEVERE CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -DISCHARGE-OCULAR; BILATERAL: DRY RED MATERIAL -STAINS-PERINEUM/PERIANAL; DRY BROWN MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92738 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/20/00 STUDY DAY OF DEATH: 641 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/20/00 7:58 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92739 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 736.7 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 10:50 PROSECTOR: STEVE VAN ADESTINE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -MOTTLED; ALL LOBES: RED AND TAN	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -DEGENERATION, CYSTIC,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT -INFLAMMATION, SUPPURATIVE, PELVIC,-MINIMAL -THROMBUS,-PRESENT PANCREAS (PA) : -M-CARCINOMA, ISLET CELL,-NEOPLASM PRESENT THYROID (TY) : -M-CARCINOMA, FOLLICULAR CELL,-NEOPLASM PRESENT -B-ADENOMA, C-CELL,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92739 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 736.7 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 10:50 PROSECTOR: STEVE VAN ADESTINE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		URINARY BLADDER (UB) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MODERATE -PROTEINACEOUS MATERIAL, LUMINAL,-PRESENT -HYPERPLASIA, TRANSITIONAL CELL,-MODERATE
	PROSTATE (PR) : -MASS(ES); INVOLVING ENTIRE PROSTATE: SINGLE MASS, 25 X 20 X 14 MM, GREEN, TAN, FIRM, LOBULATED, AND GELATINOUS; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (SEE LUMBAR)	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SEVERE
	SEMINAL VESICLES (SV) : -LARGE; BILATERAL: EACH IS 25 X 10 X 10 MM; BOTH ARE FIRM -MOTTLED; BILATERAL: TAN AND GREEN	SEMINAL VESICLES (SV) : -INFLAMMATION, CHRONIC-ACTIVE,-SEVERE
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, LUMBAR/ILIAC (LM) : -LARGE; BILATERAL: LEFT IS 2 X 6 X 3 MM, RIGHT IS 10 X 6 X 3 MM (CAP 22)	LN, LUMBAR/ILIAC (LM) : -LYMPHANGIECTASIS,-PRESENT -HYPERPLASIA, LYMPHOPLASMACYTIC,-SEVERE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92739 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 736.7 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 10:50 PROSECTOR: STEVE VAN ADESTINE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), LUNG (LU), PARATHYROID (PT)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92740 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 855.2 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 8:37 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MODERATE -VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR,-MODERATE -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL KIDNEY (KD) : -MINERALIZATION, PELVIC,-SLIGHT PANCREAS (PA) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -INFLAMMATION, VASCULAR,-SLIGHT
	TESTIS (TE) : -SMALL; RIGHT: 20 X 13 X 9 MM (LEFT IS 26 X 16 X 11 MM); RIGHT APPEARS SOFT STOMACH, GL (ST) : -THICKENED WALL; MUCOSA: DIFFUSE	TESTIS (TE) : -ATROPHY/DEGENERATION,-SEVERE >NOTE:>UNILATERAL STOMACH, GL (ST) : >UNREMARKABLE CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT LN, LUMBAR/ILIAC (LM) : -LYMPHANGIECTASIS,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92740 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 855.2 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 8:37 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, LUMBAR/ILIAC (LM) : -LARGE; RIGHT: 11 X 9 X 5 MM (LEFT IS 6 X 3 X 2 MM); RIGHT APPEARS CYSTIC (CAP 22) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), THYROID (TY), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92741 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/12/00 STUDY DAY OF DEATH: 633 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: 449.4 GRAMS
DATE AND TIME OF NECROPSY: 01/12/00 15:20 PROSECTOR: WENDY CHERRY RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAWS-HIND; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED >BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE >APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE >BEHAVIOR; COLD TO TOUCH; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE >BEHAVIOR; RECUMBENT; LATERAL; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) KIDNEY (KD) : -GRANULAR MATERIAL; RIGHT, WITHIN PELVIS: MULTIPLE TAN AND FIRM GRANULES, UP TO 1 MM IN DIAMETER TESTIS (TE) : -SMALL; BILATERAL: EACH IS 20 X 11 X 3 MM; BOTH ARE SOFT	BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-SLIGHT -HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT -INFLAMMATION, SUPPURATIVE, PELVIC,-SLIGHT SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MINIMAL ADRENAL, CORTEX (AC) : -PIGMENT,-SLIGHT -ATROPHY, CORTICAL,-MODERATE TESTIS (TE) : -ATROPHY/DEGENERATION,-SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92741 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/12/00 STUDY DAY OF DEATH: 633 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: 449.4 GRAMS
DATE AND TIME OF NECROPSY: 01/12/00 15:20 PROSECTOR: WENDY CHERRY RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT THYROID (TY) : -B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 15 X 10 X 10 MM, DARK RED, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: MULTIPLE TAN ERODED AREAS, UP TO 3 MM IN DIAMETER	STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-MODERATELY SEVERE -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
	URINARY BLADDER (UB) : -CALCULUS(I); WITHIN LUMEN: MULTIPLE TAN AND FIRM CALCULI, UP TO 9 MM IN DIAMETER -DIFFUSELY RED; MUCOSA: DARK RED -THICKENED WALL; DIFFUSE	URINARY BLADDER (UB) : -HYPERPLASIA, TRANSITIONAL CELL,-SEVERE -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SEVERE
	SEMINAL VESICLES (SV) : -SMALL; BILATERAL: EACH IS 14 X 10 X 2 MM	SEMINAL VESICLES (SV) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
		EPIDIDYMIDES (EP) : -VACUOLATION, TUBULAR EPITHELIUM,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92741 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/12/00 STUDY DAY OF DEATH: 633 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: 449.4 GRAMS
DATE AND TIME OF NECROPSY: 01/12/00 15:20 PROSECTOR: WENDY CHERRY RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : -INFECTION / NECROSIS / CALCULUS, URINARY TRACT,-PRESENT
	LN, RENAL (RL) : -LARGE; BILATERAL: LEFT IS UP TO 20 X 10 X 10 MM, RIGHT IS UP TO 12 X 8 X 4 MM (CAP 22)	LN, RENAL (RL) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SEVERE -DILATATION, SINUSOIDAL,-SEVERE
	TAIL (TI) : -RAISED AREA(S); ALONG ENTIRE LENGTH: MULTIPLE DARK RED AND TAN AREAS, UP TO 5 X 4 X 4 MM; COLLECTED	TAIL (TI) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL -ACANTHOSIS / HYPERKERATOSIS,-SLIGHT
	FOOT/FOOTPAD (FP) : -CRUSTED AREA(S); BILATERAL HINDFEET: SINGLE DARK RED, TAN AND DRY AREA ON EACH, RIGHT IS 10 X 4 X 4 MM, LEFT IS 10 X 10 X 7 MM; BOTH COLLECTED	FOOT/FOOTPAD (FP) : -INFLAMMATION, CHRONIC-ACTIVE,-SEVERE -ULCERATION,-MODERATE -ACANTHOSIS / HYPERKERATOSIS,-MODERATE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN -URINARY BLADDER-LARGE LUMEN; 30 X 20 X 20 MM -STAINS - SKIN/HAIRCOAT; VENTRAL ABDOMINAL REGION: RED AND MOIST	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92741 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/12/00 STUDY DAY OF DEATH: 633 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: 449.4 GRAMS
DATE AND TIME OF NECROPSY: 01/12/00 15:20 PROSECTOR: WENDY CHERRY RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), PROSTATE (PR), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92742 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 896.7 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 9:41 PROSECTOR: CHANESTA ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>WART LIKE LESION(S); DORSAL; WEEK 66; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; SORE/SCAB; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 4 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -DEGENERATION, CYSTIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-SLIGHT -DEGENERATION / NECROSIS, CENTRILOBULAR,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE -ECTASIA, TUBULAR,-MODERATELY SEVERE PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-SLIGHT THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT PARATHYROID (PT) : -HYPERPLASIA,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 8 X 4 X 2 MM, DARK RED, TAN, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92742 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 896.7 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 9:41 PROSECTOR: CHANESTA ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	SKIN (SK) : -CRUSTED AREA(S); MID DORSAL CERVICAL REGION: SINGLE, YELLOW, DARK RED, DRY AREA, 23 X 20 MM; COLLECTED	SKIN (SK) : -B-KERATOACANTHOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	FOOT/FOOTPAD (FP) : -CRUSTED AREA(S); RIGHT HINDFOOT: SINGLE RED, TAN, AND DRY AREA, 6 X 4 MM; COLLECTED	FOOT/FOOTPAD (FP) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE -ACANTHOSIS / HYPERKERATOSIS,-MODERATE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92742 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 896.7 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 9:41 PROSECTOR: CHANESTA ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), LUNG (LU), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92743 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/27/99 STUDY DAY OF DEATH: 587 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/27/99 14:06 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; OBES; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -NECROSIS, COAGULATIVE,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MINIMAL PANCREAS (PA) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL ADRENAL, CORTEX (AC) : -PIGMENT,-SLIGHT THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SEVERE
	PITUITARY (PI) : -MASS(ES); 7 MM IN DIAMETER, DARK RED, RED, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		DUODENUM (DU) : >AUTOLYTIC

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92743 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/27/99 STUDY DAY OF DEATH: 587 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/27/99 14:06 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		JEJUNUM (JE) : >AUTOLYTIC ILEUM (IL) : >AUTOLYTIC CECUM (CE) : >AUTOLYTIC URINARY BLADDER (UB) : >AUTOLYTIC PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -ANIMAL OBESE	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92743 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/27/99 STUDY DAY OF DEATH: 587 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/27/99 14:06 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), COLON (CO), RECTUM (RE), SKIN (SK), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92744 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 302.1 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 12:11 PROSECTOR: JODI THIEREN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LF KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	11.7687	3.8962 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN

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

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92744 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 302.1 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 12:11 PROSECTOR: JODI THIEREN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE),
BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM),
NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI),
HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE),
ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR),
SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN),
LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI),
LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP),
AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT),
DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO),
PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS),
BILE DUCT (BD), TRIGEMINAL NERVE (TG)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92745 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/03/00 STUDY DAY OF DEATH: 624 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: 663.3 GRAMS
DATE AND TIME OF NECROPSY: 01/03/00 14:05 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>SKIN & PELAGE; SORE/SCAB; DORSAL;
VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); INGUINAL REGION-RIGHT; WEEK
84; 10 X 10MM; VERIFIED AT NECROPSY:
NOT OBSERVED
>SKIN & PELAGE; SORE/SCAB; PAWS-HIND;
VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; PALE; ENTIRE BODY;
VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT
NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)
LIVER (LI) :
-DIFFUSELY LIGHT; ALL LOBES: TAN

KIDNEY (KD) :
-ROUGH SURFACE, DIFFUSE; BILATERAL
-DIFFUSELY LIGHT; BILATERAL: TAN

HISTOPATHOLOGY

EYE (EY) :
-DYSTROPHY, CORNEAL IN EARLY STAGES,
CONSISTS PRIMARILY OF FOCAL
MINERALIZATION,-MODERATE
BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-VACUOLATION, HEPATOCELLULAR, MIDZONAL
/ CENTRILOBULAR,-MODERATELY SEVERE
-NECROSIS, COAGULATIVE,-MINIMAL
-HEMATOPOIESIS, EXTRAMEDULLARY,-SLIGHT
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-
SEVERE
SPLEEN (SP) :
-HEMATOPOIESIS, EXTRAMEDULLARY,
INCREASED,-MODERATE
PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-
MODERATELY SEVERE
-INFILTRATE, MACROPHAGE, PIGMENTED,-
MINIMAL
-INFILTRATION, FAT, INTERSTITIAL,-
MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92745 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/03/00 STUDY DAY OF DEATH: 624 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: 663.3 GRAMS
DATE AND TIME OF NECROPSY: 01/03/00 14:05 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -VACUOLATION, FOCAL,-SLIGHT -PIGMENT,-MINIMAL
		LN, MESENTERIC (MS) : -MINERALIZATION, VASCULAR,-MODERATE
	TESTIS (TE) : -SMALL; RIGHT: 18 X 10 X 3 MM (LEFT IS 20 X 13 X 6 MM); BOTH ARE SOFT	TESTIS (TE) : -ATROPHY/DEGENERATION,-SEVERE >NOTE:>UNILATERAL
		BONE, FEMUR (FE) : -HYPERPLASIA, BONE,-MODERATELY SEVERE
		MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,-SEVERE
		MARROW, STERNUM (SE) : >SECTION EXAMINED; TISSUE NOT PRESENT
		BONE, STERNUM (SB) : -HYPERPLASIA, CARTILAGINOUS,-MODERATE -HYPERPLASIA, BONE,-SEVERE
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SEVERE
	LUNG (LU) : -RED FOCUS(I)/AREA(S); VENTRAL RIGHT CAUDAL LOBE: SINGLE DARK RED AREA, 3 MM IN DIAMETER	LUNG (LU) : -HEMORRHAGE,-PRESENT
		HEART (HT) : -CARDIOMYOPATHY,-SLIGHT -MINERALIZATION, VASCULAR,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92745 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/03/00 STUDY DAY OF DEATH: 624 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: 663.3 GRAMS
DATE AND TIME OF NECROPSY: 01/03/00 14:05 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYROID (TY) : -B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT PARATHYROID (PT) : -HYPERPLASIA,-SEVERE
	PITUITARY (PI) : -MASS(ES); 9 X 6 X 5 MM, DARK BROWN, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN AREAS, UP TO 2 MM IN DIAMETER -THICKENED WALL; DIFFUSE	STOMACH, GL (ST) : -EROSION,-MINIMAL -MINERALIZATION, GLANDULAR MUCOSA,-MODERATE
	SKIN (SK) : -CRUSTED AREA(S); MID DORSAL THORACIC REGION: SINGLE MOIST, RED AND BROWN CRUSTED AREA, 10 MM IN DIAMETER (CAP 22)	SKIN (SK) : -B-KERATOACANTHOMA,-NEOPLASM PRESENT
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
	SEMINAL VESICLES (SV) : -SMALL; BILATERAL: 18 X 5 X 2 MM -GELATINOUS; BILATERAL: TAN	SEMINAL VESICLES (SV) : -ATROPHY,-MODERATELY SEVERE
		CAUSE OF DEATH (CD) : -NEPHROPATHY,-PRESENT FOOT/FOOTPAD (FP) : -INFLAMMATION, CHRONIC-ACTIVE,-SEVERE -ULCERATION,-MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92745 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/03/00 STUDY DAY OF DEATH: 624 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: 663.3 GRAMS
DATE AND TIME OF NECROPSY: 01/03/00 14:05 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	FOOT/FOOTPAD (FP) : -ABRASION(S)/ULCERATION(S); BILATERAL: SINGLE MOIST AND BROWN ULCERATED AREA ON EACH, LEFT IS 6 MM IN DIAMETER, RIGHT IS 12 MM IN DIAMETER; BOTH ARE COLLECTED	
	AORTA (AO) : -FIRM; AORTIC ARCH, DIFFUSE (CAP 23)	AORTA (AO) : -MINERALIZATION,-SEVERE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92745 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/03/00 STUDY DAY OF DEATH: 624 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: 663.3 GRAMS
DATE AND TIME OF NECROPSY: 01/03/00 14:05 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
ADRENAL, MEDULLA (MA), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92746 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/22/99 STUDY DAY OF DEATH: 551 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 749.0 GRAMS
DATE AND TIME OF NECROPSY: 10/22/99 15:15 PROSECTOR: KEVIN BILLINGS RECORDER: KEVIN BILLINGS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE >BEHAVIOR; COLD TO TOUCH; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE >EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LUNG (LU) : -MOTTLED; ALL LOBES: DARK RED AND TAN	BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MODERATE -DEGENERATION, CYSTIC,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT PANCREAS (PA) : -ATROPHY, ACINAR,-MODERATE ADRENAL, CORTEX (AC) : -PIGMENT,-MINIMAL THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE LUNG (LU) : -CONGESTION,-PRESENT PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92746 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/22/99 STUDY DAY OF DEATH: 551 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 749.0 GRAMS
DATE AND TIME OF NECROPSY: 10/22/99 15:15 PROSECTOR: KEVIN BILLINGS RECORDER: KEVIN BILLINGS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 8 X 6 X 6 MM, DARK RED, TAN AND SOFT	
	STOMACH, GL (ST) : -THICKENED WALL; DIFFUSE	STOMACH, GL (ST) : -INFLAMMATION, ACUTE,-MINIMAL -HYPERPLASIA, EPITHELIAL, GLANDULAR,-MODERATE
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: MULTIPLE RED AND TAN ERODED AREAS, UP TO 6 X 3 MM -THICKENED WALL; DIFFUSE: APPEARS GELATINOUS	STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-MODERATELY SEVERE -ULCERATION,-MODERATE -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL
		EPIDIDYMIDES (EP) : -HYPOSPERMIA,-PRESENT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92746 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/22/99 STUDY DAY OF DEATH: 551 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 749.0 GRAMS
DATE AND TIME OF NECROPSY: 10/22/99 15:15 PROSECTOR: KEVIN BILLINGS RECORDER: KEVIN BILLINGS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92747 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 716.4 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 12:38 PROSECTOR: TONY HANFELD RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; SWOLLEN; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; SWOLLEN; PAW-FRONT-RIGHT; VERIFIED AT NECROPSY: OBSERVED >EYES; RED DISCHARGE; EYE-RIGHT; VERIFIED AT NECROPSY: NOT OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MINIMAL -VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-SLIGHT THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -THICKENED WALL; DIFFUSE	STOMACH, GL (ST) : >UNREMARKABLE
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, AXILLARY (AX) : -DIFFUSELY RED; BILATERAL: DARK RED (CAP 22)	LN, AXILLARY (AX) : -HEMORRHAGE,-PRESENT -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92747 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 716.4 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 12:38 PROSECTOR: TONY HANFELD RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, LUMBAR/ILIAC (LM) : -LARGE; RIGHT: 10 X 6 X 6 MM (LEFT IS 2 MM IN DIAMETER) (CAP 23)	LN, LUMBAR/ILIAC (LM) : -LYMPHANGIECTASIS,-PRESENT -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE
	JOINT, OTHER (JT) : -LARGE; RIGHT CARPAL AND RIGHT TARSAL JOINT: RIGHT TARSAL IS 20 X 13 X 11 MM (LEFT IS 16 X 8 X 7 MM), RIGHT CARPAL IS 14 X 10 X 8 MM (LEFT IS 10 X 6 X 6 MM); BOTH COLLECTED	JOINT, OTHER (JT) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92747 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 716.4 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 12:38 PROSECTOR: TONY HANFELD RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), TESTIS (TE), LUNG (LU), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92748 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 589.7 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 9:49 PROSECTOR: TONY HANFELD RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -DEGENERATION, CYSTIC,-MINIMAL
	KIDNEY (KD) : -ROUGH SURFACE, DIFFUSE; BILATERAL -LARGE; BILATERAL: EACH IS 30 X 23 X 12 MM -DIFFUSELY LIGHT; BILATERAL: TAN	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SEVERE
		PANCREAS (PA) : -INFLAMMATION, VASCULAR,-SEVERE
	LN, MESENTERIC (MS) : -LARGE; DIFFUSE: UP TO 5 MM IN DIAMETER	LN, MESENTERIC (MS) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE -INFLAMMATION, VASCULAR,-SEVERE
		TESTIS (TE) : -INFLAMMATION, VASCULAR,-MODERATE
		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL
		THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92748 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 589.7 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 9:49 PROSECTOR: TONY HANFELD RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PARATHYROID (PT) : -HYPERPLASIA,-MODERATE
	PROSTATE (PR) : -NODULAR; PROXIMAL, SURROUNDING URETHRA: GREEN AND FIRM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, RENAL (RL) : -LARGE; BILATERAL: EACH IS UP TO 7 X 5 X 3 MM (CAP 22)	LN, RENAL (RL) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT
	LN, LUMBAR/ILIAC (LM) : -LARGE; BILATERAL: EACH IS UP TO 11 X 8 X 5 MM (CAP 23)	LN, LUMBAR/ILIAC (LM) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT
	CAVITY, ABDOM (PC) : -LARGE VESSELS; INVOLVING ENTIRE MESENTERY: UP TO 2 MM IN DIAMETER (CAP 24)	CAVITY, ABDOM (PC) : -INFLAMMATION, VASCULAR,-SEVERE -THROMBUS,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92748 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 589.7 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 9:49 PROSECTOR: TONY HANFELD RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92749 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/06/00 STUDY DAY OF DEATH: 718 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/06/00 9:59 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT
	TESTIS (TE) : -SMALL; RIGHT: 18 X 14 X 10 MM (LEFT IS 25 X 17 X 14 MM); RIGHT IS SOFT	TESTIS (TE) : -ATROPHY/DEGENERATION,-SEVERE >NOTE:>UNILATERAL THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE HEART (HT) : -CARDIOMYOPATHY,-MODERATE THYROID (TY) : -DILATATION / CYST, FOLLICULAR,-PRESENT PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT JEJUNUM (JE) : >AUTOLYTIC

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92749 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/06/00 STUDY DAY OF DEATH: 718 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/06/00 9:59 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-ANIMAL OBESE

HISTOPATHOLOGY

ILEUM (IL) :
>AUTOLYTIC
CECUM (CE) :
>AUTOLYTIC
URINARY BLADDER (UB) :
>AUTOLYTIC
PROSTATE (PR) :
-INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
CAUSE OF DEATH (CD) :
-UNDETERMINED MICROSCOPICALLY,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92749 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/06/00 STUDY DAY OF DEATH: 718 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/06/00 9:59 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), COLON (CO), RECTUM (RE), SKIN (SK), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92750 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 660.4 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 12:33 PROSECTOR: TROY ELLENBECKER RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -DEGENERATION, CYSTIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-MODERATE -INFILTRATION, FAT, INTERSTITIAL,-MODERATE LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-MODERATE
	PITUITARY (PI) : -MASS(ES); 10 X 7 X 5 MM, RED, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -EROSION/ULCERATION; MUCOSA, ALONG GREATER CURVATURE: SINGLE RED, ERODED AREA, 5 MM IN DIAMETER	STOMACH, GL (ST) : -EROSION,-MODERATE -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92750 SEX: MALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 660.4 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 12:33 PROSECTOR: TROY ELLENBECKER RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		URINARY BLADDER (UB) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), PARATHYROID (PT)

COVANCE
THE DEVELOPMENT SERVICES COMPANY

Sponsor:

3M
St. Paul, Minnesota

FINAL REPORT

Study Title:

104-Week Dietary Chronic Toxicity and Carcinogenicity Study with Perfluorooctane Sulfonic Acid Potassium Salt (PFOS; T-6295) in Rats

Author:

Peter J. Thomford, PhD

Study Completion Date:

January 2, 2002

Testing Facility:

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

Laboratory Study Identification:

Covance 6329-183

Sponsor Study Identification:

3M T-6295

CONTENTS

VOLUME VII OF IX **Page**

APPENDIX 6 (Continued) 2497
Individual Anatomic Pathology Data 2498

APPENDIX 6 (Continued)

Individual Anatomic Pathology Data

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92751 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 801.5 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 10:39 PROSECTOR: JOHN S. HALFORD RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0273	.0034 %	.0118	WEIGHT TAKEN
RT ADRENAL (AD1)	.0281	.0035 %	.0121	WEIGHT TAKEN
BRAIN (BR)	2.3191	.2893 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	2.4820	.3097 %	1.0702	WEIGHT TAKEN
RT KIDNEY (KD1)	2.4333	.3036 %	1.0492	WEIGHT TAKEN
LIVER (LI)	32.0284	3.9961 %	13.8107	WEIGHT TAKEN
LUNG (LU)	2.3737	.2962 %	1.0235	WEIGHT TAKEN
SPLEEN (SP)	.9244	.1153 %	.3986	WEIGHT TAKEN
LF TESTIS (TE0)	1.5886	.1982 %	.6850	WEIGHT TAKEN
RT TESTIS (TE1)	1.6268	.2030 %	.7015	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0240	.0030 %	.0103	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0264	.0033 %	.0114	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MODERATE
-HYPERTROPHY, HEPATOCELLULAR,-MODERATELY SEVERE
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-PIGMENT, TUBULAR,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92751 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 801.5 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 10:39 PROSECTOR: JOHN S. HALFORD RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PANCREAS (PA) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-MINIMAL LN, MESENTERIC (MS) : -HEMORRHAGE,-PRESENT MARROW, FEMUR (FM) : -HYPOCELLULAR, MARROW,-SLIGHT THYMUS (TH) : -HEMORRHAGE,-PRESENT HEART (HT) : -CARDIOMYOPATHY,-SLIGHT HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
	STOMACH, GL (ST) : -THICKENED WALL; MUCOSA STOMACH, NONGL (SU) : -THICKENED WALL; MUCOSA	STOMACH, GL (ST) : >UNREMARKABLE STOMACH, NONGL (SU) : >UNREMARKABLE RECTUM (RE) : -PARASITISM,-PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92751 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 801.5 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 10:39 PROSECTOR: JOHN S. HALFORD RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92752 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 274.8 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 10:49 PROSECTOR: JODI THIEREN RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LF KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	11.7254	4.2670 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN

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

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92752 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 274.8 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 10:49 PROSECTOR: JODI THIEREN RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE),
BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM),
NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI),
HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE),
ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR),
SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN),
LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI),
LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP),
AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT),
DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO),
PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS),
BILE DUCT (BD), TRIGEMINAL NERVE (TG)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92753 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 733.7 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 10:51 PROSECTOR: TERRI L. WILLIAMS RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-DILATATION, VENTRICULAR,-PRESENT
>APPEARANCE; MISSING; TEETH; VERIFIED AT NECROPSY: OBSERVED		-COMPRESSION, VENTRAL,-PRESENT
		LIVER (LI) :
		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT
		-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT
		-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL
		-HYPERPLASIA, BILE DUCT,-MINIMAL
	KIDNEY (KD) :	KIDNEY (KD) :
	-LARGE PELVIS(ES); RIGHT	-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
		-DILATATION, PELVIC,-MODERATE
		-THROMBUS,-PRESENT
		SPLEEN (SP) :
		-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT
		PANCREAS (PA) :
		-ZYMOGEN GRANULES, DECREASED,-MODERATE
		-INFILTRATION, FAT, INTERSTITIAL,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92753 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 733.7 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 10:51 PROSECTOR: TERRI L. WILLIAMS RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-MINIMAL -PIGMENT,-MINIMAL THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE HEART (HT) : -CARDIOMYOPATHY,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-SLIGHT
	PITUITARY (PI) : -MASS(ES); 9 X 6 X 6 MM, RED, DARK RED, GRAY, TAN, AND SOFT PROSTATE (PR) : -NODULAR; PROXIMAL SURROUNDING URETHRA: GREEN AND FIRM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -MALOCCLUSION; BILATERAL UPPER INCISORS -TEETH MISSING/BROKEN/WORN; BILATERAL UPPER INCISORS: BROKEN AT BASE -ANIMAL OBESE	CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92753 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 733.7 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 10:51 PROSECTOR: TERRI L. WILLIAMS RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92754 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 553.8 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 11:23 PROSECTOR: GREGORY CODDINGTON RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0265	.0048 %	.0109	WEIGHT TAKEN
RT ADRENAL (AD1)	.0263	.0047 %	.0108	WEIGHT TAKEN
BRAIN (BR)	2.4325	.4392 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	2.1434	.3870 %	.8812	WEIGHT TAKEN
RT KIDNEY (KD1)	2.1609	.3902 %	.8883	WEIGHT TAKEN
LIVER (LI)	20.2188	3.6509 %	8.3119	WEIGHT TAKEN
LUNG (LU)	2.1405	.3865 %	.8800	WEIGHT TAKEN
SPLEEN (SP)	.7109	.1284 %	.2923	WEIGHT TAKEN
LF TESTIS (TE0)	1.5214	.2747 %	.6254	WEIGHT TAKEN
RT TESTIS (TE1)	1.5586	.2814 %	.6407	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0153	.0028 %	.0063	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0164	.0030 %	.0067	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MODERATE
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MODERATE
SPLEEN (SP) :
-PIGMENT, INCREASED,-MINIMAL
PANCREAS (PA) :
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
-ATROPHY, ACINAR,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92754 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 553.8 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 11:23 PROSECTOR: GREGORY CODDINGTON RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL -HYPERTROPHY, CORTICAL CELL,-SLIGHT URINARY BLADDER (UB) : -PROTEINACEOUS MATERIAL, LUMINAL,-PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92754 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 553.8 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 11:23 PROSECTOR: GREGORY CODDINGTON RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92755 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 695.3 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 10:55 PROSECTOR: GREGORY CODDINGTON RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0201	.0029 %	.0089	WEIGHT TAKEN
RT ADRENAL (AD1)	.0226	.0033 %	.0100	WEIGHT TAKEN
BRAIN (BR)	2.2492	.3235 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	2.3890	.3436 %	1.0622	WEIGHT TAKEN
RT KIDNEY (KD1)	2.4440	.3515 %	1.0866	WEIGHT TAKEN
LIVER (LI)	28.2494	4.0629 %	12.5598	WEIGHT TAKEN
LUNG (LU)	1.8793	.2703 %	.8355	WEIGHT TAKEN
SPLEEN (SP)	.8195	.1179 %	.3644	WEIGHT TAKEN
LF TESTIS (TE0)	1.7651	.2539 %	.7848	WEIGHT TAKEN
RT TESTIS (TE1)	1.8308	.2633 %	.8140	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0200	.0029 %	.0089	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0170	.0024 %	.0076	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MODERATE
-VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR,-MODERATE
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
KIDNEY (KD) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92755 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 695.3 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 10:55 PROSECTOR: GREGORY CODDINGTON RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PANCREAS (PA) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL ADRENAL, CORTEX (AC) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL MARROW, FEMUR (FM) : -HYPOCELLULAR, MARROW,-SLIGHT THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL LUNG (LU) : -HEMORRHAGE,-PRESENT -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
	STOMACH, GL (ST) : -RED FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK RED AREAS, UP TO 3 X 1 MM	STOMACH, GL (ST) : -CONGESTION,-PRESENT
		EPIDIDYMIDES (EP) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92755 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 695.3 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 10:55 PROSECTOR: GREGORY CODDINGTON RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92756 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/24/99 STUDY DAY OF DEATH: 614 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: 565.5 GRAMS
DATE AND TIME OF NECROPSY: 12/24/99 7:38 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); DORSAL; WEEK 84; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; SORE/SCAB; DORSAL; VERIFIED AT NECROPSY: OBSERVED >EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE >BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MODERATE -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-SLIGHT
	KIDNEY (KD) : -LARGE PELVIS(ES); BILATERAL	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -DILATATION, PELVIC,-SLIGHT SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-MODERATE -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL -INFILTRATION, FAT, INTERSTITIAL,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92756 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/24/99 STUDY DAY OF DEATH: 614 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: 565.5 GRAMS
DATE AND TIME OF NECROPSY: 12/24/99 7:38 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-MINIMAL -PIGMENT,-MINIMAL THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SEVERE LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-MINIMAL THYROID (TY) : -DILATATION / CYST, FOLLICULAR,-PRESENT
	PITUITARY (PI) : -MASS(ES); 14 X 10 X 10 MM, DARK RED, GRAY, AND SOFT STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: MULTIPLE TAN ERODED AREAS, UP TO 5 X 4 MM -THICKENED WALL; DIFFUSE	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-MODERATE -ULCERATION,-MODERATE -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE
	SKIN (SK) : -CRUSTED AREA(S); MID DORSAL THORACIC REGION: SINGLE TAN, DRY, AND RAISED AREA, 7 X 7 X 6 MM; COLLECTED; POSSIBLY CONSISTENT WITH MASS AND SCAB NOTED IN CLINICAL OBSERVATIONS	SKIN (SK) : -B-KERATOACANTHOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92756 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/24/99 STUDY DAY OF DEATH: 614 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: 565.5 GRAMS
DATE AND TIME OF NECROPSY: 12/24/99 7:38 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		URINARY BLADDER (UB) : -PROTEINACEOUS MATERIAL, LUMINAL,- PRESENT CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92756 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/24/99 STUDY DAY OF DEATH: 614 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: 565.5 GRAMS
DATE AND TIME OF NECROPSY: 12/24/99 7:38 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92757 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 576.9 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 8:00 PROSECTOR: TROY ELLENBECKER RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED >MASS(ES); DORSAL; WEEK 98; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED		BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MODERATE -GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-MODERATE -PIGMENT, HEPATOCELLULAR, CENTRILOBULAR,-SLIGHT -NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MODERATELY SEVERE -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-SLIGHT -DEGENERATION, CYSTIC,-MINIMAL -NECROSIS, COAGULATIVE,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL LIVER-OIL RED O (LI0) : -VACUOLES, OIL RED O-POSITIVE, HEPATOCELLULAR,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92757 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 576.9 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 8:00 PROSECTOR: TROY ELLENBECKER RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT PANCREAS (PA) : -HYPERPLASIA, ISLET CELLS,-SLIGHT -ATROPHY, ACINAR,-MINIMAL ADRENAL, CORTEX (AC) : -PIGMENT,-MINIMAL TESTIS (TE) : -ATROPHY/DEGENERATION,-SEVERE >NOTE:>UNILATERAL THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 12 X 8 X 6 MM, RED, DARK RED, TAN, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	SKIN (SK) : -MASS(ES); LEFT DORSAL THORACIC REGION: SINGLE MASS, 15 X 15 X 10 MM, TAN AND FIRM; SAME ON CUT SURFACE; SOME SECTIONS EXUDE A TAN CASEOUS MATERIAL; COLLECTED; REGIONAL LN (LEFT AXILLARY) NORMAL	SKIN (SK) : -CYST, EPIDERMAL INCLUSION,-PRESENT
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92757 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 576.9 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 8:00 PROSECTOR: TROY ELLENBECKER RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PROSTATE (PR) : -NODULAR; PROXIMAL SURROUNDING URETHRA: GREEN AND FIRM SEMINAL VESICLES (SV) : -LARGE; BILATERAL: EACH IS UP TO 35 X 20 X 6 MM GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -MALOCCLUSION; BILATERAL UPPER INCISORS	SEMINAL VESICLES (SV) : -SECRETION, INCREASED,-PRESENT EPIDIDYMIDES (EP) : -HYPOSPERMIA,-PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92757 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 576.9 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 8:00 PROSECTOR: TROY ELLENBECKER RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92758 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/21/99 STUDY DAY OF DEATH: 428 STUDY WEEK OF DEATH: 62 TERMINAL BODY WEIGHT: 407.5 GRAMS
DATE AND TIME OF NECROPSY: 06/21/99 15:05 PROSECTOR: JAMES T. CALLEN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT
-GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-MINIMAL
-NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
PANCREAS (PA) :
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
ADRENAL, CORTEX (AC) :
-PIGMENT,-MINIMAL
TESTIS (TE) :
-ATROPHY/DEGENERATION,-SEVERE
>NOTE:>UNILATERAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92758 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/21/99 STUDY DAY OF DEATH: 428 STUDY WEEK OF DEATH: 62 TERMINAL BODY WEIGHT: 407.5 GRAMS
DATE AND TIME OF NECROPSY: 06/21/99 15:05 PROSECTOR: JAMES T. CALLEN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 12 X 9 X 8 MM, TAN, RED, BROWN AND FIRM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SEVERE
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92758 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/21/99 STUDY DAY OF DEATH: 428 STUDY WEEK OF DEATH: 62 TERMINAL BODY WEIGHT: 407.5 GRAMS
DATE AND TIME OF NECROPSY: 06/21/99 15:05 PROSECTOR: JAMES T. CALLEN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92759 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 320.3 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 8:22 PROSECTOR: JODI THIEREN RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LF KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	15.7536	4.9187 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN

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

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92759 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 320.3 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 8:22 PROSECTOR: JODI THIEREN RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE),
BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM),
NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI),
HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE),
ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR),
SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN),
LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI),
LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP),
AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT),
DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO),
PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS),
BILE DUCT (BD), TRIGEMINAL NERVE (TG)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92760 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/13/99 STUDY DAY OF DEATH: 512 STUDY WEEK OF DEATH: 74 TERMINAL BODY WEIGHT: 489.5 GRAMS
DATE AND TIME OF NECROPSY: 09/13/99 11:20 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) :	BRAIN (BR) :
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-DILATATION, VENTRICULAR,-PRESENT -COMPRESSION, VENTRAL,-PRESENT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED	LIVER (LI) :	LIVER (LI) :
	-RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 4 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -ANGIECTASIS,-MINIMAL
	KIDNEY (KD) :	KIDNEY (KD) :
	-MOTTLED; BILATERAL: BROWN AND DARK BROWN	-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
		SPLEEN (SP) :
		-PIGMENT, INCREASED,-SLIGHT
		PANCREAS (PA) :
		-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
		THYMUS (TH) :
		>SECTION EXAMINED; TISSUE NOT PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 10 X 8 X 7 MM, RED, DARK RED, TAN, BROWN, AND SOFT	-B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) :	STOMACH, GL (ST) :
	-EROSION/ULCERATION; MUCOSA: SINGLE TAN ERODED AREA, 2 MM IN DIAMETER	-INFLAMMATION, ACUTE,-MINIMAL -EROSION,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92760 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/13/99 STUDY DAY OF DEATH: 512 STUDY WEEK OF DEATH: 74 TERMINAL BODY WEIGHT: 489.5 GRAMS
DATE AND TIME OF NECROPSY: 09/13/99 11:20 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		EPIDIDYMIDES (EP) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: RED	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92760 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/13/99 STUDY DAY OF DEATH: 512 STUDY WEEK OF DEATH: 74 TERMINAL BODY WEIGHT: 489.5 GRAMS
DATE AND TIME OF NECROPSY: 09/13/99 11:20 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92761 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 501.4 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 13:05 PROSECTOR: JARED FISHEL RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
-DEGENERATION, CYSTIC,-SLIGHT
-HYPERPLASIA, BILE DUCT,-MINIMAL
-FIBROSIS, PERIBILIARY,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT
PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-MODERATE
-INFILTRATION, FAT, INTERSTITIAL,-SLIGHT
ADRENAL, CORTEX (AC) :
-HYPERPLASIA, CORTICAL,-MINIMAL
THYMUS (TH) :
>SECTION EXAMINED; TISSUE NOT PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92761 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 501.4 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 13:05 PROSECTOR: JARED FISHEL RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		HEART (HT) : -CARDIOMYOPATHY,-SLIGHT THYROID (TY) : -DILATATION / CYST, FOLLICULAR,-PRESENT
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); LEFT ANTERIOR ASPECT: SINGLE DARK RED AREA, 2 MM IN DIAMETER	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92761 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 501.4 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 13:05 PROSECTOR: JARED FISHEL RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92762 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 645.3 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 8:20 PROSECTOR: DAVID SCHUETTE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LIVER (LI) : -MASS(ES); LEFT LATERAL LOBE: SINGLE MASS, 40 X 30 X 15 MM, DARK RED, BROWN, TAN, AND SOFT; SAME ON CUT SURFACE; COLLECTED ON ROUTINE SECTION; REGIONAL LN (HEPATIC) NORMAL (CAP 22)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT -GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-SLIGHT -NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL -FIBROSIS, PERIBILIARY,-MINIMAL -B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT LIVER-OIL RED O (LI0) : -VACUOLES, OIL RED O-POSITIVE, HEPATOCELLULAR,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92762 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 645.3 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 8:20 PROSECTOR: DAVID SCHUETTE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-SEVERE
	TESTIS (TE) : -SMALL; BILATERAL: LEFT IS 17 X 13 X 4 MM, RIGHT IS 15 X 11 X 4 MM; BOTH ARE SOFT	TESTIS (TE) : -ATROPHY/DEGENERATION,-SEVERE -INFILTRATE, LYMPHOHISTIOCYTIC,-SLIGHT
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-SLIGHT THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL -B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 9 X 8 X 5 MM, DARK RED, TAN, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: SINGLE DARK BROWN LINEAR AREA, 3 X 1 MM	STOMACH, GL (ST) : -HYPERPLASIA, EPITHELIAL, GLANDULAR,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92762 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 645.3 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 8:20 PROSECTOR: DAVID SCHUETTE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, GL (ST) : -THICKENED WALL; DIFFUSE	
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE EPIDIDYMIDES (EP) : -HYPOSPERMIA,-PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT LN, OTHER (LN) : >TISSUE MISSING >NOTE:>HEPATIC
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92762 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 645.3 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 8:20 PROSECTOR: DAVID SCHUETTE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92763 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/01/00 STUDY DAY OF DEATH: 653 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 803.2 GRAMS
DATE AND TIME OF NECROPSY: 02/01/00 11:48 PROSECTOR: STEVE VAN ADESTINE RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>APPEARANCE; SWOLLEN; PAWS-HIND;
VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; YELLOW HAIR COAT;
VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT
NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; BROWN HAIR COAT;
PERINEAL AREA; VERIFIED AT NECROPSY:
OBSERVED

NECROPSY

LIVER (LI) :
-MOTTLED; ALL LOBES: DARK RED AND TAN

KIDNEY (KD) :
-ROUGH SURFACE, DIFFUSE; BILATERAL
-DIFFUSELY DARK; BILATERAL: DARK BROWN

HISTOPATHOLOGY

LIVER (LI) :
-VACUOLATION, HEPATOCELLULAR,
PERIPORTAL,-SLIGHT
-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-
MODERATELY SEVERE
SPLEEN (SP) :
-HEMATOPOIESIS, EXTRAMEDULLARY,
INCREASED,-MINIMAL
PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-MODERATE
-INFILTRATE, MACROPHAGE, PIGMENTED,-
MINIMAL
-ATROPHY, ACINAR,-SLIGHT
ADRENAL, CORTEX (AC) :
-PIGMENT,-MINIMAL
ADRENAL, MEDULLA (MA) :
-HYPERPLASIA, MEDULLARY,-MODERATE
TESTIS (TE) :
-INFLAMMATION, VASCULAR,-SLIGHT
MARROW, FEMUR (FM) :
-HYPERPLASIA, MYELOID, MARROW,-
MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92763 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/01/00 STUDY DAY OF DEATH: 653 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 803.2 GRAMS
DATE AND TIME OF NECROPSY: 02/01/00 11:48 PROSECTOR: STEVE VAN ADESTINE RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-MODERATELY SEVERE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL LUNG (LU) : -B-ADENOMA, BRONCHIOLAR-ALVEOLAR,-NEOPLASM PRESENT MUSCLE, SKELETAL (SM) : -ATROPHY,-MINIMAL PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN AREAS, UP TO 4 X 2 MM -THICKENED WALL; DIFFUSE	STOMACH, GL (ST) : -EROSION,-SLIGHT -HYPERPLASIA, EPITHELIAL, GLANDULAR,-MODERATELY SEVERE
		SKIN (SK) : -ACANTHOSIS/HYPERKERATOSIS,-MODERATE -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
	SEMINAL VESICLES (SV) : -SMALL; BILATERAL: EACH IS UP TO 13 X 6 X 2 MM	SEMINAL VESICLES (SV) : -SECRETION, DECREASED,-PRESENT
		EPIDIDYMIDES (EP) : -IMMATURE SPERM FORMS,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92763 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/01/00 STUDY DAY OF DEATH: 653 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 803.2 GRAMS
DATE AND TIME OF NECROPSY: 02/01/00 11:48 PROSECTOR: STEVE VAN ADESTINE RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	EPIDIDYMIDES (EP) : -SMALL; BILATERAL: EACH IS 45 X 4 X 3 MM	EPIDIDYMIDES (EP) : -ATROPHY/DEGENERATION,-SLIGHT
		CAUSE OF DEATH (CD) : -INFLAMMATION / INFECTION,-PRESENT
	JOINT, OTHER (JT) : -LARGE; BILATERAL TARSAL JOINTS: EACH IS UP TO 13 MM IN DIAMETER; COLLECTED	JOINT, OTHER (JT) : -INFLAMMATION, CHRONIC-ACTIVE,-SEVERE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -STAINS-PERINEUM/PERIANAL; PERINEUM: BROWN, MOIST MATERIAL -STAINS - SKIN/HAIRCOAT; ENTIRE VENTRAL SURFACE: YELLOW AND MOIST	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92763 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/01/00 STUDY DAY OF DEATH: 653 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 803.2 GRAMS
DATE AND TIME OF NECROPSY: 02/01/00 11:48 PROSECTOR: STEVE VAN ADESTINE RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LN, MESENTERIC (MS), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92764 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/01/99 STUDY DAY OF DEATH: 530 STUDY WEEK OF DEATH: 76 TERMINAL BODY WEIGHT: 393.7 GRAMS
DATE AND TIME OF NECROPSY: 10/01/99 14:07 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>APPEARANCE; THIN; VERIFIED AT
NECROPSY: OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT
NECROPSY: NOT APPLICABLE
>BEHAVIOR; ATAXIC; VERIFIED AT
NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT
NECROPSY: NOT APPLICABLE
>APPEARANCE; HUNCHED; VERIFIED AT
NECROPSY: NOT APPLICABLE
>BEHAVIOR; COLD TO TOUCH; LIMBS-ALL;
VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; COLD TO TOUCH; TAIL;
VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

LIVER (LI) :
-LIGHT FOCUS(I)/AREA(S); DIAPHRAGMATIC SURFACE OF RIGHT MEDIAN LOBE: SINGLE TAN AREA, 2 X 1 MM; COLLECTED ON ROUTINE SECTION

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-DEGENERATION, CYSTIC,-MINIMAL
-HYPERPLASIA, BILE DUCT,-MINIMAL
-FIBROSIS, PERIBILIARY,-SLIGHT
-INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT
-VACUOLATION, HEPATOCELLULAR,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
PANCREAS (PA) :
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
ADRENAL, CORTEX (AC) :
-VACUOLATION, FOCAL,-SLIGHT
-HYPERTROPHY, CORTICAL CELL,-MINIMAL
-PIGMENT,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92764 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/01/99 STUDY DAY OF DEATH: 530 STUDY WEEK OF DEATH: 76 TERMINAL BODY WEIGHT: 393.7 GRAMS
DATE AND TIME OF NECROPSY: 10/01/99 14:07 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SEVERE LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 15 X 10 X 10 MM, RED, DARK RED, TAN AND FIRM STOMACH, GL (ST) : -EROSION/ULCERATION; MUCOSA, ALONG GREATER CURVATURE: SINGLE BLACK ERODED AREA, 2 X 1 MM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT STOMACH, GL (ST) : >UNREMARKABLE
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92764 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/01/99 STUDY DAY OF DEATH: 530 STUDY WEEK OF DEATH: 76 TERMINAL BODY WEIGHT: 393.7 GRAMS
DATE AND TIME OF NECROPSY: 10/01/99 14:07 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92765 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 493.3 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 12:52 PROSECTOR: STEVE VAN ADESTINE RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0267	.0054 %	.0119	WEIGHT TAKEN
RT ADRENAL (AD1)	.0260	.0053 %	.0116	WEIGHT TAKEN
BRAIN (BR)	2.2505	.4562 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.6982	.3443 %	.7546	WEIGHT TAKEN
RT KIDNEY (KD1)	1.6461	.3337 %	.7314	WEIGHT TAKEN
LIVER (LI)	18.5015	3.7506 %	8.2211	WEIGHT TAKEN
LUNG (LU)	1.8585	.3767 %	.8258	WEIGHT TAKEN
SPLEEN (SP)	.8329	.1688 %	.3701	WEIGHT TAKEN
LF TESTIS (TE0)	1.6630	.3371 %	.7389	WEIGHT TAKEN
RT TESTIS (TE1)	1.7142	.3475 %	.7617	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0113	.0023 %	.0050	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0118	.0024 %	.0052	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

KIDNEY (KD) :
-LARGE PELVIS(ES); LEFT

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR,
CENTRILOBULAR POLYKARYOCYTOSIS
OCCASIONALLY NOTED,-SLIGHT
KIDNEY (KD) :
-DILATATION, PELVIC,-MODERATELY SEVERE
-MINERALIZATION, PELVIC,-SLIGHT
>NOTE:>RENAL LESIONS ARE UNILATERAL.
SPLEEN (SP) :
-PIGMENT, INCREASED,-MINIMAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92765 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 493.3 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 12:52 PROSECTOR: STEVE VAN ADESTINE RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS | NECROPSY | HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92766 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/24/00 STUDY DAY OF DEATH: 705 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/24/00 7:57 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>MASS(ES); RECTUM; WEEK 99; VERIFIED AT
NECROPSY: NOT OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
-HYPERPLASIA, BILE DUCT,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-HYPERPLASIA, TRANSITIONAL CELL,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MINIMAL
PANCREAS (PA) :
-INFILTRATION, FAT, INTERSTITIAL,-SLIGHT
ADRENAL, CORTEX (AC) :
-HYPERTROPHY, CORTICAL CELL,-SLIGHT
-PIGMENT,-MINIMAL
SPINAL CORD (SC) :
-MINERALIZATION, DURA,-SLIGHT
THYMUS (TH) :
-HEMORRHAGE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92766 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/24/00 STUDY DAY OF DEATH: 705 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/24/00 7:57 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE HEART (HT) : -CARDIOMYOPATHY,-SLIGHT THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT DUODENUM (DU) : >AUTOLYTIC JEJUNUM (JE) : >AUTOLYTIC ILEUM (IL) : >AUTOLYTIC CECUM (CE) : >AUTOLYTIC COLON (CO) : >AUTOLYTIC RECTUM (RE) : >AUTOLYTIC
	SKIN (SK) : -RAISED FOCUS(I)/AREA(S); OVERLYING RIGHT TESTIS: SINGLE RED, RAISED AREA, 4 MM IN DIAMETER (CAP 22); POSSIBLY CONSISTENT WITH MASS (RECTUM) NOTED IN CLINICAL OBSERVATIONS	SKIN (SK) : -ANGIECTASIS WITH THROMBOSIS AND ENDOTHELIAL PROLIFERATION,-PRESENT
		EPIDIDYMIDES (EP) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92766 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/24/00 STUDY DAY OF DEATH: 705 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/24/00 7:57 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-DISCHARGE-OCULAR; RIGHT: DARK RED,
DRY MATERIAL

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-UNDETERMINED MICROSCOPICALLY,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92766 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/24/00 STUDY DAY OF DEATH: 705 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/24/00 7:57 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92767 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/10/00 STUDY DAY OF DEATH: 691 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/10/00 8:08 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>SKIN & PELAGE; SORE/SCAB; LATERAL-ABDOMINAL-LEFT; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; OBES; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; SORE/SCAB; VENTRAL-ABDOMINAL-RIGHT; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT
SPLEEN (SP) :
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE
PANCREAS (PA) :
-HYPERPLASIA, ISLET CELLS,-MODERATE
-B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT
ADRENAL, CORTEX (AC) :
-VACUOLATION, FOCAL,-MINIMAL
-PIGMENT,-SLIGHT
ADRENAL, MEDULLA (MA) :
-HYPERPLASIA, MEDULLARY,-MINIMAL
-B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT
TESTIS (TE) :
-ATROPHY/DEGENERATION,-MINIMAL
-HYPERPLASIA, INTERSTITIAL CELL (LEYDIG CELL),-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92767 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/10/00 STUDY DAY OF DEATH: 691 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/10/00 8:08 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,-MODERATE MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-MODERATE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-SLIGHT -METAPLASIA, OSSEOUS / CARTILAGINOUS,-MINIMAL DUODENUM (DU) : >AUTOLYTIC JEJUNUM (JE) : >AUTOLYTIC ILEUM (IL) : >AUTOLYTIC CECUM (CE) : >AUTOLYTIC COLON (CO) : >AUTOLYTIC SKIN (SK) : -ACANTHOSIS/HYPERKERATOSIS,-MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92767 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/10/00 STUDY DAY OF DEATH: 691 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/10/00 8:08 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	SKIN (SK) : -ABRASION(S)/ULCERATION(S); LEFT LATERAL THORACIC REGION: SINGLE MOIST RED ULCERATED AREA, 35 X 25 MM; COLLECTED -CRUSTED AREA(S); RIGHT INGUINAL REGION: SINGLE DRY BROWN CRUSTED AREA, 10 MM IN DIAMETER (CAP 22)	SKIN (SK) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE -ULCERATION,-MODERATE -BACTERIAL COLONIES,-PRESENT
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL
		CAUSE OF DEATH (CD) : -INFLAMMATION / INFECTION,-PRESENT
	LN, LUMBAR/ILIAC (LM) : -LARGE; LEFT: 15 X 11 X 10 MM (RIGHT IS 7 X 4 X 2 MM)(CAP 24)	LN, LUMBAR/ILIAC (LM) : >UNREMARKABLE
	GENERAL COMMENT (GC) : -ANIMAL OBESE	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92767 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/10/00 STUDY DAY OF DEATH: 691 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/10/00 8:08 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LN, MESENTERIC (MS), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92768 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/08/00 STUDY DAY OF DEATH: 660 STUDY WEEK OF DEATH: 95 TERMINAL BODY WEIGHT: 944.6 GRAMS
DATE AND TIME OF NECROPSY: 02/08/00 8:20 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); DORSAL; WEEK 85; 80 X 100MM; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; SORE/SCAB; VENTRAL-ABDOMINAL-RIGHT; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; BLACK SKIN; DORSAL; VERIFIED AT NECROPSY: NOT OBSERVED	TESTIS (TE) : -SMALL; LEFT: 18 X 12 X 4 MM (RIGHT IS 20 X 14 X 8 MM); LEFT IS SOFT	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT -DEGENERATION, CYSTIC,-MINIMAL -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL KIDNEY (KD) : -HYALINE DROPLETS, TUBULAR EPITHELIUM,-MODERATELY SEVERE SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE ADRENAL, CORTEX (AC) : -PIGMENT,-MINIMAL TESTIS (TE) : -ATROPHY/DEGENERATION,-SEVERE >NOTE:>UNILATERAL MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,-MODERATE MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92768 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/08/00 STUDY DAY OF DEATH: 660 STUDY WEEK OF DEATH: 95 TERMINAL BODY WEIGHT: 944.6 GRAMS
DATE AND TIME OF NECROPSY: 02/08/00 8:20 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE MUSCLE, SKELETAL (SM) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL NERVE, SCIATIC (SN) : >TISSUE MISSING THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); POSTERIOR ASPECT: SINGLE DARK RED AREA, 1 MM IN DIAMETER	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT -HYPERPLASIA,-SLIGHT
	SKIN (SK) : -CRUSTED AREA(S); RIGHT VENTRAL ABDOMINAL REGION: SINGLE TAN AND DRY CRUSTED AREA, 1 MM IN DIAMETER (CAP 22) -MASS(ES); DORSAL LUMBAR REGION: SINGLE MASS, 100 X 85 X 60 MM, RED, DARK RED, TAN AND FIRM; SOME SECTIONS EXUDE A TAN FLUID (CAP 23); OVERLYING SKIN HAS A SINGLE DARK RED, TAN AND DRY CRUSTED AREA, 70 X 60 MM; COLLECTED INTACT WITH MASS; REGIONAL LN (INGUINAL) NOT IDENTIFIED	SKIN (SK) : -ACANTHOSIS/HYPERKERATOSIS,-MINIMAL -M-FIBROSARCOMA,-NEOPLASM PRESENT
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92768 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/08/00 STUDY DAY OF DEATH: 660 STUDY WEEK OF DEATH: 95 TERMINAL BODY WEIGHT: 944.6 GRAMS
DATE AND TIME OF NECROPSY: 02/08/00 8:20 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		EPIDIDYMIDES (EP) : -IMMATURE SPERM FORMS,-MODERATE
		CAUSE OF DEATH (CD) : -NEOPLASM, SKIN/MUSCLE/SUBCUTIS,- PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92768 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/08/00 STUDY DAY OF DEATH: 660 STUDY WEEK OF DEATH: 95 TERMINAL BODY WEIGHT: 944.6 GRAMS
DATE AND TIME OF NECROPSY: 02/08/00 8:20 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92769 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/09/00 STUDY DAY OF DEATH: 721 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/09/00 8:20 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; LIMITED USE; PAWS-ALL; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT -GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL -DEGENERATION / NECROSIS, CENTRILOBULAR,-SLIGHT
	KIDNEY (KD) : -LARGE PELVIS(ES); RIGHT	KIDNEY (KD) : -DILATATION, PELVIC,-MODERATELY SEVERE -MINERALIZATION, PELVIC,-MINIMAL -NECROSIS, PAPILLARY,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-SLIGHT ADRENAL, CORTEX (AC) : -VACUOLATION, FOCAL,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92769 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/09/00 STUDY DAY OF DEATH: 721 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/09/00 8:20 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-SLIGHT MUSCLE, SKELETAL (SM) : -ATROPHY,-SEVERE NERVE, SCIATIC (SN) : -DEGENERATION,-MODERATE THYROID (TY) : -DILATATION / CYST, FOLLICULAR,-PRESENT
	PITUITARY (PI) : -MASS(ES); ATTACHED TO LEFT ASPECT: 5 MM IN DIAMETER, RED, TAN AND SOFT STOMACH, GL (ST) : -LIGHT FOCUS(I)/AREA(S); MUCOSA: MULTIPLE GREY AREAS, UP TO 2 X 1 MM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT STOMACH, GL (ST) : >UNREMARKABLE JEJUNUM (JE) : >AUTOLYTIC ILEUM (IL) : >AUTOLYTIC CECUM (CE) : >AUTOLYTIC COLON (CO) : >AUTOLYTIC

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92769 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/09/00 STUDY DAY OF DEATH: 721 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/09/00 8:20 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		RECTUM (RE) : >AUTOLYTIC PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -DISCHARGE-OCULAR; BILATERAL: DRY, RED MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92769 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/09/00 STUDY DAY OF DEATH: 721 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/09/00 8:20 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92770 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/21/00 STUDY DAY OF DEATH: 702 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/21/00 7:26 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); PAW-FRONT-LEFT; WEEK 97; VERIFIED AT NECROPSY: NOT OBSERVED >APPEARANCE; SWOLLEN; LIMBS-HIND; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; LIMITED USE; LIMBS-ALL; VERIFIED AT NECROPSY: NOT APPLICABLE >BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE >SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED	ADRENAL, CORTEX (AC) : -LARGE; RIGHT: 8 X 5 X 5 MM (LEFT IS 5 X 3 X 3 MM)	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL -VACUOLATION, HEPATOCELLULAR,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,- SLIGHT SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT ADRENAL, CORTEX (AC) : >UNREMARKABLE ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,- 2 NEOPLASMS PRESENT THYMUS (TH) : >SECTION EXAMINED; TISSUE NOT PRESENT HEART (HT) : -CARDIOMYOPATHY,-MINIMAL MUSCLE, SKELETAL (SM) : -ATROPHY,-MODERATELY SEVERE NERVE, SCIATIC (SN) : -DEGENERATION,-MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92770 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/21/00 STUDY DAY OF DEATH: 702 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/21/00 7:26 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PITUITARY (PI) : -CYST,-PRESENT JEJUNUM (JE) : >AUTOLYTIC ILEUM (IL) : >AUTOLYTIC CECUM (CE) : >AUTOLYTIC COLON (CO) : >AUTOLYTIC RECTUM (RE) : >AUTOLYTIC PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE CAUSE OF DEATH (CD) : -INFLAMMATION / INFECTION,-PRESENT
	FOOT/FOOTPAD (FP) : -ABRASION(S)/ULCERATION(S); LEFT HINDFOOT: SINGLE RED, TAN MOIST ABRADED AREA, 4 X 3 MM; COLLECTED; POSSIBLY CONSISTENT WITH (MASS LEFT HINDFOOT) NOTED IN CLINICAL OBSERVATIONS GENERAL COMMENT (GC) : -DISCHARGE-OCULAR; LEFT: RED, BROWN AND MOIST -STAINS-PERINEUM/PERIANAL; YELLOW, BROWN AND MOIST	FOOT/FOOTPAD (FP) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92770 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/21/00 STUDY DAY OF DEATH: 702 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/21/00 7:26 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92771 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/07/99 STUDY DAY OF DEATH: 567 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 684.7 GRAMS
DATE AND TIME OF NECROPSY: 11/07/99 7:40 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; RED HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: OBSERVED
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

LIVER (LI) :
-LARGE; ALL LOBES

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SEVERE
-DEGENERATION, CYSTIC,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-VACUOLATION, TUBULAR EPITHELIUM,-MODERATELY SEVERE
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
PANCREAS (PA) :
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
-INFILTRATION, FAT, INTERSTITIAL,-SLIGHT
ADRENAL, CORTEX (AC) :
-VACUOLATION, FOCAL,-SLIGHT
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92771 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/07/99 STUDY DAY OF DEATH: 567 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 684.7 GRAMS
DATE AND TIME OF NECROPSY: 11/07/99 7:40 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYROID (TY) : -HYPERTROPHY, FOLLICULAR CELL,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 10 X 8 X 7 MM, DARK RED AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE BROWN AREAS, UP TO 2 X 1 MM	STOMACH, GL (ST) : >UNREMARKABLE
		STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-SLIGHT -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE
		EPIDIDYMIDES (EP) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY, RED MATERIAL -STAINS - SKIN/HAIRCOAT; ENTIRE VENTRAL SURFACE, EXTENDING TO ENTIRE HEAD: DRY, RED MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92771 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/07/99 STUDY DAY OF DEATH: 567 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 684.7 GRAMS
DATE AND TIME OF NECROPSY: 11/07/99 7:40 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92772 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/14/99 STUDY DAY OF DEATH: 360 STUDY WEEK OF DEATH: 52 TERMINAL BODY WEIGHT: 670.3 GRAMS
DATE AND TIME OF NECROPSY: 04/14/99 10:00 PROSECTOR: STEVE VAN ADESTINE RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -LARGE; ALL LOBES: MARGINS ARE ROUNDED -MOTTLED; ALL LOBES: RED AND TAN KIDNEY (KD) : -MOTTLED; BILATERAL: BROWN AND TAN	LIVER (LI) : -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MODERATE -CONGESTION,-PRESENT -VACUOLATION, HEPATOCELLULAR,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -PIGMENT, TUBULAR,-SLIGHT SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT THYMUS (TH) : -HEMORRHAGE,-PRESENT -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-MINIMAL HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL CAUSE OF DEATH (CD) : -UNDETERMINED MICROSCOPICALLY,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92772 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/14/99 STUDY DAY OF DEATH: 360 STUDY WEEK OF DEATH: 52 TERMINAL BODY WEIGHT: 670.3 GRAMS
DATE AND TIME OF NECROPSY: 04/14/99 10:00 PROSECTOR: STEVE VAN ADESTINE RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92773 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/19/00 8:00 PROSECTOR: JODI THIEREN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; SWOLLEN; VENTRAL-ABDOMINAL-LEFT; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -MOTTLED; ALL LOBES: RED, BROWN AND TAN -MASS(ES); LEFT LATERAL LOBE AND RIGHT LATERAL LOBES: TWO MASSES, BOTH ARE 20 X 20 X 10 MM AND TAN, RED AND FIRM; SAME ON CUT SURFACE; LEFT LATERAL COLLECTED ON ROUTINE SECTION, RIGHT LATERAL COLLECTED AS EXTRA SECTION; REGIONAL LN (HEPATIC) NORMAL (CAP 22)	LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MODERATELY SEVERE -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MODERATE -DEGENERATION, CYSTIC,-SLIGHT -HYPERPLASIA, BILE DUCT,-SLIGHT -FIBROSIS, PERIBILIARY,-SLIGHT -HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-SLIGHT -DEGENERATION / NECROSIS, CENTRILOBULAR,-SLIGHT -B-ADENOMA, HEPATOCELLULAR,- 2 NEOPLASMS PRESENT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT PANCREAS (PA) : -HYPERTROPHY / BASOPHILIA, ACINAR CELL,-MINIMAL ADRENAL, CORTEX (AC) : -VACUOLATION, FOCAL,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92773 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/19/00 8:00 PROSECTOR: JODI THIEREN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, MESENTERIC (MS) : -LARGE; UP TO 15 X 10 X 6 MM -DIFFUSELY RED; DARK RED	LN, MESENTERIC (MS) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE -FIBROSIS,-MODERATE -ANGIECTASIS,-MODERATELY SEVERE MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,-SLIGHT MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-MODERATELY SEVERE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE -CYST,-PRESENT THYROID (TY) : -DILATATION / CYST, FOLLICULAR,-PRESENT -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : >NOTE:>TRIMMING COMMENT: PITUITARY NOT FOUND AT TRIMMING	PITUITARY (PI) : >TISSUE MISSING
		HARDERIAN GLAND (HG) : -DYSPLASIA, EPITHELIAL, GLANDULAR,-SLIGHT JEJUNUM (JE) : >AUTOLYTIC CECUM (CE) : -HEMORRHAGE,-MODERATE -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92773 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/19/00 8:00 PROSECTOR: JODI THIEREN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	CECUM (CE) : -MASS(ES); MID PORTION OF CECUM: SINGLE MASS, 65 X 50 X 35 MM, RED, DARK RED, TAN, FIRM, AND VASCULAR; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (SEE MESENTERIC); POSSIBLY CONSISTENT WITH SWOLLEN (ABDOMINAL-VENTRAL-LEFT) AS NOTED IN CLINICAL OBSERVATIONS	CECUM (CE) : -BACTERIA,-PRESENT -ULCERATION,-MODERATELY SEVERE -B-LIPOMA,-NEOPLASM PRESENT
		COLON (CO) : >AUTOLYTIC PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL CAUSE OF DEATH (CD) : -NEOPLASM, ABDOMINAL CAVITY,-PRESENT LN, OTHER (LN) : -INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT >NOTE:>HEPATIC LN
	LN, LUMBAR/ILIAC (LM) : -MOTTLED; BILATERAL: DARK RED AND TAN (CAP 25)	LN, LUMBAR/ILIAC (LM) : -LYMPHANGIECTASIS,-PRESENT -HYPERPLASIA, LYMPHOPLASMACYTIC,-MINIMAL -HEMORRHAGE,-PRESENT CAVITY, ABDOM (PC) : -HEMATOMA,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92773 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/19/00 8:00 PROSECTOR: JODI THIEREN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	CAVITY, ABDOM (PC) : -MASS(ES); ATTACHED TO ADIPOSE TISSUE NEAR HEAD OF RIGHT EPIDIDYMIS: SINGLE MASS, 23 X 13 X 5 MM, RED, DARK RED, FIRM AND LOBULATED; SAME ON CUT SURFACE (CAP 24); REGIONAL LN (SEE LUMBAR) GENERAL COMMENT (GC) : -GI TRACT-LARGE LUMEN; CECUM AND COLON: DISTENDED UP TO 13 MM; FILLED WITH A DARK RED FLUID -FLUID-ABDOMINAL CAVITY; FILLED WITH A RED FLUID -GI TRACT-DARK FLUID CONTENT; JEJUNUM, ILEUM, CECUM AND COLON: FILLED WITH A DARK RED FLUID	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92773 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/19/00 8:00 PROSECTOR: JODI THIEREN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), ILEUM (IL), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92774 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 767.6 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 9:43 PROSECTOR: TROY ELLENBECKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : >UNREMARKABLE LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-SLIGHT -NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT -DEGENERATION, CYSTIC,-SLIGHT -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL -FIBROSIS, PERIBILIARY,-MINIMAL
	KIDNEY (KD) : -ROUGH SURFACE, DIFFUSE; BILATERAL	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATELY SEVERE SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE PANCREAS (PA) : -ATROPHY, ACINAR,-SLIGHT ADRENAL, CORTEX (AC) : -VACUOLATION, FOCAL,-MINIMAL ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92774 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 767.6 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 9:43 PROSECTOR: TROY ELLENBECKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		TESTIS (TE) : -ATROPHY/DEGENERATION,-SEVERE >NOTE:>UNILATERAL THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL MUSCLE, SKELETAL (SM) : -DEGENERATION,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL -B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 7 X 6 X 4 MM, RED, DARK RED, TAN, AND SOFT STOMACH, GL (ST) : -THICKENED WALL; MUCOSA: DIFFUSE PROSTATE (PR) : -NODULAR; PROXIMAL SURROUNDING URETHRA: GREEN AND FIRM GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT STOMACH, GL (ST) : >UNREMARKABLE PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92774 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 767.6 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 9:43 PROSECTOR: TROY ELLENBECKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92775 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 638.8 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 7:38 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); DORSAL; WEEK 72; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; SORE/SCAB; DORSAL; VERIFIED AT NECROPSY: OBSERVED >EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		EYE (EY) : -DYSTROPHY, CORNEAL IN EARLY STAGES, CONSISTS PRIMARILY OF FOCAL MINERALIZATION,-MINIMAL BRAIN (BR) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
	LIVER (LI) : -LIGHT FOCUS(I)/AREA(S); DIAPHRAGMATIC SURFACE OF LEFT LATERAL LOBE: SINGLE TAN FOCUS, 2 MM IN DIAMETER (CAP 22)	LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MODERATE -DEGENERATION, CYSTIC,-SLIGHT -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT LIVER-OIL RED O (LI0) : -VACUOLES, OIL RED O-POSITIVE, HEPATOCELLULAR,-MINIMAL
	KIDNEY (KD) : -ROUGH SURFACE, DIFFUSE; BILATERAL -LARGE; BILATERAL: EACH IS 30 X 20 X 15 MM	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,- SEVERE
	SPLEEN (SP) : -LARGE; 60 X 16 X 8 MM	SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92775 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 638.8 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 7:38 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PANCREAS (PA) : -M-CARCINOMA, ISLET CELL,-NEOPLASM PRESENT
	ADRENAL, CORTEX (AC) : -LARGE; LEFT: 10 X 8 X 6 MM (RIGHT IS 6 X 5 X 5 MM)	ADRENAL, CORTEX (AC) : -VACUOLATION, FOCAL,-MINIMAL -HYPERTROPHY, CORTICAL CELL,-MINIMAL -DEGENERATION, CYSTIC / HEMORRHAGIC,-SLIGHT -HYPERPLASIA, CORTICAL,-MINIMAL -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
		ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,- 2 NEOPLASMS PRESENT
		LN, MESENTERIC (MS) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
	TESTIS (TE) : -SMALL; RIGHT: 20 X 11 X 7 MM (LEFT IS 21 X 15 X 11 MM)	TESTIS (TE) : -ATROPHY/DEGENERATION,-SEVERE >NOTE:>UNILATERAL
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE
		LUNG (LU) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT -HEMORRHAGE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92775 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 638.8 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 7:38 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-MODERATE -MINERALIZATION, VASCULAR,-MODERATELY SEVERE
	THYROID (TY) : -LARGE; BILATERAL: EACH IS 7 X 4 X 3 MM PARATHYROID (PT) : -LARGE; BILATERAL: EACH IS 3 X 2 X 1 MM PITUITARY (PI) : -CYST(S); LEFT ANTERIOR ASPECT: SINGLE CLEAR FLUID FILLED CYST, 1 MM IN DIAMETER STOMACH, GL (ST) : -THICKENED WALL; MUCOSA: DIFFUSE	THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL -DILATATION / CYST, FOLLICULAR,-PRESENT PARATHYROID (PT) : -HYPERPLASIA,-MODERATELY SEVERE PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT STOMACH, GL (ST) : -HYPERPLASIA, EPITHELIAL, GLANDULAR,-MODERATE -MINERALIZATION, GLANDULAR MUCOSA,-MODERATELY SEVERE SKIN (SK) : -B-KERATOACANTHOMA,-NEOPLASM PRESENT -EDEMA,-SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92775 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 638.8 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 7:38 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	SKIN (SK) : -MASS #2; LEFT LATERAL THORACIC REGION: SINGLE MASS, 15 X 15 X 8 MM, TAN AND FIRM; CUT SURFACE EXUDES A TAN CASEOUS SEMISOLID; COLLECTED; OVERLYING SKIN HAS A SINGLE DARK RED AND DRY CRUSTED AREA, 5 X 4 MM; COLLECTED INTACT WITH MASS; REGIONAL LN (AXILLARY) NORMAL (CAP 25) -SUBCUTANEOUS EDEMA; VENTRAL CERVICAL REGION: CLEAR AND GELATINOUS (CAP 23)	
	PROSTATE (PR) : -GELATINOUS; DISTAL PORTION: CLEAR	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SEVERE SEMINAL VESICLES (SV) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL EPIDIDYMIDES (EP) : -HYPOSPERMIA,-PRESENT -VACUOLATION, TUBULAR EPITHELIUM,-SLIGHT HEMATO NEOPLASIA (HN) : -M-LYMPHOMA,-NEOPLASM PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, RENAL (RL) : -LARGE; LEFT: 8 X 6 X 4 MM (RIGHT IS 5 X 4 X 2 MM) (CAP 24) -DIFFUSELY RED; BILATERAL: DARK RED (CAP 24)	LN, RENAL (RL) : -HEMORRHAGE,-PRESENT -DILATATION, SINUSOIDAL,-SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92775 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 638.8 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 7:38 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	AORTA (AO) : -LARGE; DIFFUSE: UP TO 6 MM IN DIAMETER; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	AORTA (AO) : -MINERALIZATION,-MODERATE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), LN, AXILLARY (AX)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92776 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 747.8 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 10:50 PROSECTOR: JARED FISHEL RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>WART LIKE LESION(S); MOUTH; WEEK 102; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN, SLIGHTLY RAISED AREAS, UP TO 8 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MODERATE -GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-SLIGHT -PIGMENT, HEPATOCELLULAR, CENTRILOBULAR,-MINIMAL -VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR,-MODERATELY SEVERE -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -DEGENERATION, CYSTIC,-SLIGHT -HYPERPLASIA, BILE DUCT,-MINIMAL -B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT
	KIDNEY (KD) : -MASS(ES); LEFT, CORTICAL SURFACE EXTENDING INTO MEDULLA: SINGLE MASS, 10 MM IN DIAMETER, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (SEE RENAL)	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT -B-LIPOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92776 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 747.8 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 10:50 PROSECTOR: JARED FISHEL RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-SLIGHT ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-MINIMAL -PIGMENT,-MINIMAL ADRENAL, MEDULLA (MA) : -UNILATERALLY EXAMINED,-PRESENT THYMUS (TH) : >SECTION EXAMINED; TISSUE NOT PRESENT LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-MINIMAL THYROID (TY) : -B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT -HYPERPLASIA,-MINIMAL
	SKIN (SK) : -MASS(ES); RIGHT MAXILLARY REGION: SINGLE MASS, 4 X 2 X 2 MM, TAN AND FIRM (CAP 22); REGIONAL LN (MANDIBULAR) NORMAL (CAP 23)	SKIN (SK) : >UNREMARKABLE
		URINARY BLADDER (UB) : -PROTEINACEOUS MATERIAL, LUMINAL,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92776 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 747.8 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 10:50 PROSECTOR: JARED FISHEL RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE SEMINAL VESICLES (SV) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, RENAL (RL) : -LARGE; LEFT: 6 MM IN DIAMETER, RIGHT IS 3 X 2 X 1 MM (CAP 25)	LN, RENAL (RL) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL >NOTE:>NO LYMPH NODE PRESENT MASSES APPEAR TO BE PART OF THE KIDNEY NEOPLASM LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATELY SEVERE -HEMORRHAGE,-PRESENT -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
	MAMMARY, MALE (MM) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 25 X 25 X 10 MM, TAN, FIRM AND LOBULATED; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	MAMMARY, MALE (MM) : -B-FIBROADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92776 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 747.8 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 10:50 PROSECTOR: JARED FISHEL RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, MANDIBULAR (MN), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92777 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 425.4 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 13:15 PROSECTOR: DONIA MEYER RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0202	.0047 %	.0109	WEIGHT TAKEN
RT ADRENAL (AD1)	.0180	.0042 %	.0097	WEIGHT TAKEN
BRAIN (BR)	1.8515	.4352 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	2.0608	.4844 %	1.1130	WEIGHT TAKEN
RT KIDNEY (KD1)	2.1126	.4966 %	1.1410	WEIGHT TAKEN
LIVER (LI)	20.8174	4.8936 %	11.2435	WEIGHT TAKEN
LUNG (LU)	1.5024	.3532 %	.8115	WEIGHT TAKEN
SPLEEN (SP)	.6408	.1506 %	.3461	WEIGHT TAKEN
LF TESTIS (TE0)	1.5350	.3608 %	.8291	WEIGHT TAKEN
RT TESTIS (TE1)	1.5449	.3632 %	.8344	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0136	.0032 %	.0073	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0106	.0025 %	.0057	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MODERATE
-NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR,-SLIGHT
KIDNEY (KD) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-REGENERATION, TUBULAR EPITHELIUM,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92777 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 425.4 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 13:15 PROSECTOR: DONIA MEYER RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LN, MESENTERIC (MS) : -HEMORRHAGE,-PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS -BONE MARROW SMEAR TAKEN	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92778 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 676.5 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 9:35 PROSECTOR: NANCY DIEDRICH RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0286	.0042 %	.0121	WEIGHT TAKEN
RT ADRENAL (AD1)	.0286	.0042 %	.0121	WEIGHT TAKEN
BRAIN (BR)	2.3638	.3494 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	2.7978	.4136 %	1.1836	WEIGHT TAKEN
RT KIDNEY (KD1)	2.6827	.3966 %	1.1349	WEIGHT TAKEN
LIVER (LI)	30.0439	4.4411 %	12.7100	WEIGHT TAKEN
LUNG (LU)	2.2742	.3362 %	.9621	WEIGHT TAKEN
SPLEEN (SP)	.9348	.1382 %	.3955	WEIGHT TAKEN
LF TESTIS (TE0)	1.0030	.1483 %	.4243	WEIGHT TAKEN
RT TESTIS (TE1)	1.0456	.1546 %	.4423	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0242	.0036 %	.0102	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0422	.0062 %	.0179	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MODERATE
-VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR,-MODERATE
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92778 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 676.5 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 9:35 PROSECTOR: NANCY DIEDRICH RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PANCREAS (PA) : -INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-MINIMAL
	TESTIS (TE) : -SMALL; BILATERAL: EACH IS 18 X 13 X 8 MM; BOTH ARE SOFT	TESTIS (TE) : >UNREMARKABLE
		EPIDIDYMIDES (EP) : -IMMATURE SPERM FORMS,-MINIMAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92778 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 676.5 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 9:35 PROSECTOR: NANCY DIEDRICH RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92779 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 274.5 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 8:36 PROSECTOR: LYNN HORNER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LF KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	11.8757	4.3268 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN

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

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92779 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 274.5 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 8:36 PROSECTOR: LYNN HORNER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE),
BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM),
NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI),
HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE),
ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR),
SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN),
LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI),
LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP),
AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT),
DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO),
PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS),
BILE DUCT (BD), TRIGEMINAL NERVE (TG)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92780 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 515.3 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 10:30 PROSECTOR: STEVE VAN ADESTINE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) :	BRAIN (BR) :
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
	LIVER (LI) :	LIVER (LI) :
	-LIGHT FOCUS(I)/AREA(S); DIAPHRAGMATIC SURFACE OF RIGHT MEDIAN LOBE: SINGLE TAN AREA, 5 X 3 MM; COLLECTED ON ROUTINE SECTION	-INFILTRATE, LYMPHOHISTIOCYTIC,-SLIGHT
		-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MODERATE
	-ROUGH SURFACE, DIFFUSE; ALL LOBES	-GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-SLIGHT
		-NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL
		-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
		-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT
		-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL
		-HYPERPLASIA, BILE DUCT,-MODERATE
		-FIBROSIS, PERIBILIARY,-MODERATE
		-B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT
		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92780 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 515.3 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 10:30 PROSECTOR: STEVE VAN ADESTINE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		SPLEEN (SP) : -PIGMENT, INCREASED,-MINIMAL -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MINIMAL PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-MODERATE ADRENAL, CORTEX (AC) : -VACUOLATION, FOCAL,-MODERATE -PIGMENT,-MODERATE -B-ADENOMA,-NEOPLASM PRESENT THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL -HYPERPLASIA, TYPE II PNEUMOCYTE,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-SLIGHT THYROID (TY) : -HYPERPLASIA, C-CELL,-SLIGHT
	PITUITARY (PI) : -MASS(ES); 10 X 8 X 7 MM, RED, DARK RED, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	PROSTATE (PR) : -NODULAR; PROXIMAL SURROUNDING URETHRA: GREEN AND FIRM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92780 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 515.3 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 10:30 PROSECTOR: STEVE VAN ADESTINE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	SEMINAL VESICLES (SV) : -GELATINOUS; BILATERAL: YELLOW AND CLEAR	SEMINAL VESICLES (SV) : >UNREMARKABLE CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92781 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/06/99 STUDY DAY OF DEATH: 535 STUDY WEEK OF DEATH: 77 TERMINAL BODY WEIGHT: 356.5 GRAMS
DATE AND TIME OF NECROPSY: 10/06/99 14:08 PROSECTOR: JODI THIEREN RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	-COMPRESSED (HYPOTHALAMUS)	>UNREMARKABLE
>SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) :
>BEHAVIOR; COLD TO TOUCH; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT
>APPEARANCE; TREMORS; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE		-PIGMENT, HEPATOCELLULAR, CENTRILOBULAR,-MINIMAL
		-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
		KIDNEY (KD) :
		-MINERALIZATION, PELVIC,-MINIMAL
	SPLEEN (SP) :	SPLEEN (SP) :
	-SMALL; 30 X 8 X 44 MM	-PIGMENT, INCREASED,-MODERATE
		PANCREAS (PA) :
		-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
		ADRENAL, CORTEX (AC) :
		-PIGMENT,-MODERATE
		-ATROPHY, CORTICAL,-MODERATELY SEVERE
	TESTIS (TE) :	TESTIS (TE) :
	-SMALL; BILATERAL: EACH IS 20 X 9 X 5 MM; BOTH ARE SOFT	-ATROPHY/DEGENERATION,-SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92781 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/06/99 STUDY DAY OF DEATH: 535 STUDY WEEK OF DEATH: 77 TERMINAL BODY WEIGHT: 356.5 GRAMS
DATE AND TIME OF NECROPSY: 10/06/99 14:08 PROSECTOR: JODI THIEREN RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT
		PARATHYROID (PT) : >SECTION EXAMINED; TISSUE NOT PRESENT
	PITUITARY (PI) : -MASS(ES); 7 X 7 X 6 MM, TAN AND FIRM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-SLIGHT -ATROPHY,-MODERATE
		STOMACH, GL (ST) : -EROSION,-MINIMAL -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE -HYPERPLASIA, EPITHELIAL, GLANDULAR,-MODERATE
	PROSTATE (PR) : -SMALL; 15 X 8 X 4 MM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE -ATROPHY,-MODERATELY SEVERE
	SEMINAL VESICLES (SV) : -SMALL; BILATERAL: EACH IS 13 X 7 X 2 MM	SEMINAL VESICLES (SV) : -ATROPHY,-MODERATELY SEVERE
	EPIDIDYMIDES (EP) : -SMALL; BILATERAL: BOTH ARE 40 X 5 X 4 MM	EPIDIDYMIDES (EP) : -ATROPHY/DEGENERATION,-MODERATELY SEVERE
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92781 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/06/99 STUDY DAY OF DEATH: 535 STUDY WEEK OF DEATH: 77 TERMINAL BODY WEIGHT: 356.5 GRAMS
DATE AND TIME OF NECROPSY: 10/06/99 14:08 PROSECTOR: JODI THIEREN RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-ANIMAL THIN

HISTOPATHOLOGY

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92782 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 972.9 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 12:57 PROSECTOR: JAMES T. CALLEN RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 103; VERIFIED AT NECROPSY: NOT OBSERVED
>SKIN & PELAGE; SORE/SCAB; VENTRAL-ABDOMINAL-RIGHT; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)
LIVER (LI) :
-RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 4 X 3 MM; SOME ARE SUNKEN WITH A STELLATE PATTERN; COLLECTED ON ROUTINE SECTIONS

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MINIMAL
-DEGENERATION, CYSTIC,-MINIMAL
-HYPERPLASIA, BILE DUCT,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE
PANCREAS (PA) :
-B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT
ADRENAL, CORTEX (AC) :
-VACUOLATION, FOCAL,-SLIGHT
ADRENAL, MEDULLA (MA) :
-HYPERPLASIA, MEDULLARY,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92782 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 972.9 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 12:57 PROSECTOR: JAMES T. CALLEN RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-SLIGHT
	PITUITARY (PI) : -MASS(ES); 6 X 6 X 4 MM, TAN AND FIRM STOMACH, GL (ST) : -THICKENED WALL; ALL REGIONS: DIFFUSE	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT STOMACH, GL (ST) : >UNREMARKABLE RECTUM (RE) : -PARASITISM,-PRESENT
	SKIN (SK) : -CRUSTED AREA(S); MID VENTRAL ABDOMINAL REGION: SINGLE DRY, RED CRUSTED AREA, 4 X 2 MM (CAP 22)	SKIN (SK) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE -SUPERFICIAL CRUSTING,-SLIGHT -FIBROSIS,-MODERATE URINARY BLADDER (UB) : -HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92782 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 972.9 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 12:57 PROSECTOR: JAMES T. CALLEN RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -URINARY BLADDER-LARGE LUMEN; 25 X 18 X 15 MM -ANIMAL OBESE	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92783 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/18/99 STUDY DAY OF DEATH: 547 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 733.9 GRAMS
DATE AND TIME OF NECROPSY: 10/18/99 12:04 PROSECTOR: STEVE VAN ADESTINE RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EYES; RED DISCHARGE; EYE-RIGHT; VERIFIED AT NECROPSY: OBSERVED		EYE (EY) : -INFLAMMATION, ACUTE,-MINIMAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED		BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -HEMORRHAGE,-MINIMAL
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) :	LIVER (LI) :
>RESPIRATION; AUDIBLE; VERIFIED AT NECROPSY: NOT APPLICABLE	-LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN, SLIGHTLY RAISED AREAS, UP TO 20 X 12 MM; COLLECTED ON ROUTINE SECTIONS	-X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE	KIDNEY (KD) :	KIDNEY (KD) :
>BEHAVIOR; COLD TO TOUCH; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE	-DIFFUSELY LIGHT; BILATERAL: TAN	-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT -HYALINE DROPLETS, TUBULAR EPITHELIUM,-MODERATE
>BEHAVIOR; RECUMBENT; STERNAL; VERIFIED AT NECROPSY: NOT APPLICABLE		SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT
		ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT
	TESTIS (TE) :	TESTIS (TE) :
	-SMALL; RIGHT: 20 X 10 X 4 MM (LEFT IS 24 X 12 X 10 MM)	-ATROPHY/DEGENERATION,-SEVERE >NOTE:>UNILATERAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92783 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/18/99 STUDY DAY OF DEATH: 547 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 733.9 GRAMS
DATE AND TIME OF NECROPSY: 10/18/99 12:04 PROSECTOR: STEVE VAN ADESTINE RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE
	LUNG (LU) : -DARK FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK BROWN AREAS, UP TO 3 X 2 MM	LUNG (LU) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT -MINERALIZATION, VASCULAR,-MINIMAL -HEMORRHAGE,-PRESENT
	PITUITARY (PI) : -MASS(ES); 12 X 10 X 8 MM, RED, GRAY, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN AREAS, UP TO 3 X 2 MM -RED FOCUS(I)/AREA(S); MUCOSA: MULTIPLE AREAS, UP TO 7 X 4 MM	STOMACH, GL (ST) : -EDEMA,-MODERATE -EROSION,-MINIMAL -MINERALIZATION, GLANDULAR MUCOSA,-MINIMAL -FIBROSIS,-MODERATE
	CECUM (CE) : -RED FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK RED AREAS, UP TO 13 X 6 MM	CECUM (CE) : -EROSION,-SLIGHT -HEMORRHAGE,-SLIGHT
	PROSTATE (PR) : -NODULAR; PROXIMAL, SURROUNDING URETHRA: GREEN AND FIRM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
		HEMATO NEOPLASIA (HN) : -M-SARCOMA, HISTIOCYTIC,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92783 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/18/99 STUDY DAY OF DEATH: 547 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 733.9 GRAMS
DATE AND TIME OF NECROPSY: 10/18/99 12:04 PROSECTOR: STEVE VAN ADESTINE RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : -NEOPLASM, HEMATOPOIETIC,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; RIGHT: DARK RED, MOIST MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92783 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/18/99 STUDY DAY OF DEATH: 547 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 733.9 GRAMS
DATE AND TIME OF NECROPSY: 10/18/99 12:04 PROSECTOR: STEVE VAN ADESTINE RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), ADRENAL, CORTEX (AC), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92784 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/27/99 STUDY DAY OF DEATH: 556 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: 576.2 GRAMS
DATE AND TIME OF NECROPSY: 10/27/99 8:28 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>EXCRETION; NONFORMED FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

EYE (EY) :
-DYSTROPHY, CORNEAL IN EARLY STAGES, CONSISTS PRIMARILY OF FOCAL MINERALIZATION,-MINIMAL
BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
LIVER (LI) :
-DEGENERATION, CYSTIC,-MINIMAL
-GLYCOGEN, HEPATOCELLULAR, INCREASED,-SEVERE
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-MODERATE
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
-INFILTRATION, FAT, INTERSTITIAL,-SLIGHT
ADRENAL, CORTEX (AC) :
-DEGENERATION, CYSTIC / HEMORRHAGIC,-SLIGHT
-PIGMENT,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92784 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/27/99 STUDY DAY OF DEATH: 556 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: 576.2 GRAMS
DATE AND TIME OF NECROPSY: 10/27/99 8:28 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 9 X 9 X 8 MM, DARK RED, SOFT, AND LOBULATED STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: MULTIPLE TAN ERODED AREAS, UP TO 3 MM IN DIAMETER	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-MINIMAL -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT URINARY BLADDER (UB) : -HEMORRHAGE,-MINIMAL -HYPERPLASIA, TRANSITIONAL CELL,-MODERATE -INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT
	PROSTATE (PR) : -NODULAR; PROXIMAL, SURROUNDING URETHRA: GREEN AND FIRM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92784 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/27/99 STUDY DAY OF DEATH: 556 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: 576.2 GRAMS
DATE AND TIME OF NECROPSY: 10/27/99 8:28 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92785 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/05/00 STUDY DAY OF DEATH: 686 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/05/00 13:43 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MINIMAL -HYPERPLASIA, BILE DUCT,-SLIGHT -FIBROSIS, PERIBILIARY,-SLIGHT
	KIDNEY (KD) : -LARGE PELVIS(ES); BILATERAL -MOTTLED; BILATERAL: RED AND TAN	KIDNEY (KD) : -DILATATION, PELVIC,-SLIGHT -MINERALIZATION, TUBULAR,-MODERATE SPLEEN (SP) : -PIGMENT, INCREASED,-MINIMAL PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-SLIGHT ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT -HYPERPLASIA, CORTICAL,-MINIMAL SPINAL CORD (SC) : >UNREMARKABLE >NOTE:>2 SECTIONS EXAMINED THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),- MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92785 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/05/00 STUDY DAY OF DEATH: 686 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/05/00 13:43 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-MODERATE MUSCLE, SKELETAL (SM) : -ATROPHY,-MODERATE THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -CYST(S); LEFT ASPECT: SINGLE CYST, 4 MM IN DIAMETER, FILLED WITH A DARK RED FLUID	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		STOMACH, GL (ST) : -MINERALIZATION, VASCULAR,-MINIMAL
	URINARY BLADDER (UB) : -RED FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK RED AREAS, UP TO 4 X 6 MM	URINARY BLADDER (UB) : >AUTOLYTIC
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE SEMINAL VESICLES (SV) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT CAUSE OF DEATH (CD) : -UNDETERMINED MICROSCOPICALLY,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL (CAP 22) GENERAL COMMENT (GC) : -DISCHARGE-OCULAR; BILATERAL: DRY RED MATERIAL	LN, MANDIBULAR (MN) : -HEMORRHAGE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92785 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/05/00 STUDY DAY OF DEATH: 686 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/05/00 13:43 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -DISCHARGE-NASAL; DRY RED MATERIAL -URINARY BLADDER-LARGE LUMEN; 22 X 22 X 40 MM, FILLED WITH A DARK RED FLUID -STAINS - SKIN/HAIRCOAT; ENTIRE VENTRAL SURFACE: DRY BROWN MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92785 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/05/00 STUDY DAY OF DEATH: 686 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/05/00 13:43 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92786 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 829.4 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 11:16 PROSECTOR: DAVID SCHUETTE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN AREAS, UP TO 4 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MODERATELY SEVERE -VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR,-MODERATELY SEVERE -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MODERATE -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MODERATE LIVER-OIL RED O (LI0) : -VACUOLES, OIL RED O-POSITIVE, HEPATOCELLULAR,-MODERATE KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-MODERATELY SEVERE -M-CARCINOMA, ISLET CELL,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92786 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 829.4 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 11:16 PROSECTOR: DAVID SCHUETTE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

PANCREAS (PA) :
-MASS(ES); ALONG DUODENUM: SINGLE MASS, 16 X 12 X 8 MM, RED, DARK RED, TAN, YELLOW, FIRM, AND LOBULATED; SAME ON CUT SURFACE (CAP 22); REGIONAL LN (ANTERIOR MESENTERIC) NORMAL (CAP 23)

STOMACH, GL (ST) :
-DARK FOCUS(I)/AREA(S); MUCOSA: SINGLE DARK BROWN AREA, 4 X 2 MM
-THICKENED WALL; DIFFUSE

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-BONE MARROW SMEAR TAKEN
-ANIMAL OBESE

HISTOPATHOLOGY

ADRENAL, CORTEX (AC) :
-PIGMENT,-SLIGHT
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL
HEART (HT) :
-CARDIOMYOPATHY,-SLIGHT
PARATHYROID (PT) :
-HYPERPLASIA,-MODERATE
PITUITARY (PI) :
-B-ADENOMA,-NEOPLASM PRESENT
-HYPERPLASIA,-MINIMAL
STOMACH, GL (ST) :
-HYPERPLASIA, EPITHELIAL, GLANDULAR,-SLIGHT

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92786 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 829.4 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 11:16 PROSECTOR: DAVID SCHUETTE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN), LN, ANT MES/PANC (AP)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92787 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/13/99 STUDY DAY OF DEATH: 328 STUDY WEEK OF DEATH: 47 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/13/99 10:30 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; LIMITED USE; LIMBS-HIND; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) : -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MODERATE -DEGENERATION / NECROSIS, MIDZONAL,-MODERATE
	KIDNEY (KD) : -LARGE PELVIS(ES); BILATERAL	KIDNEY (KD) : -DILATATION, PELVIC,-SLIGHT -REGENERATION, TUBULAR EPITHELIUM,-MINIMAL
		SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT
		SPINAL CORD (SC) : -HEMORRHAGE,-SLIGHT
		THYMUS (TH) : -HEMORRHAGE,-PRESENT -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE
		LUNG (LU) : -CONGESTION,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92787 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/13/99 STUDY DAY OF DEATH: 328 STUDY WEEK OF DEATH: 47 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/13/99 10:30 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MUSCLE, SKELETAL (SM) : -ATROPHY,-MODERATE PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT DUODENUM (DU) : >AUTOLYTIC ILEUM (IL) : >AUTOLYTIC CECUM (CE) : >AUTOLYTIC COLON (CO) : >AUTOLYTIC
	SKIN (SK) : -ABRASION(S)/ULCERATION(S); MID ABDOMINAL REGION: SINGLE RED AND TAN ULCERATED AREA, 10 MM IN DIAMETER (CAP 21)	SKIN (SK) : -ACANTHOSIS/HYPERKERATOSIS,-MINIMAL -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT -ULCERATION,-MODERATE
	URINARY BLADDER (UB) : -CALCULUS(I); WITHIN LUMEN: MULTIPLE TAN AND FIRM CALCULI, UP TO 4 MM IN DIAMETER	URINARY BLADDER (UB) : >AUTOLYTIC
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE CAUSE OF DEATH (CD) : -INFLAMMATION / INFECTION,-PRESENT
	LN, MANDIBULAR (MN) : -LARGE; RIGHT: 8 X 5 X 2 MM (FOR COMPARISON LEFT IS 4 X 2 X 1 MM)	LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92787 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/13/99 STUDY DAY OF DEATH: 328 STUDY WEEK OF DEATH: 47 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/13/99 10:30 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-URINARY BLADDER-LARGE LUMEN; 54 X 33
X 30 MM, FILLED WITH A DARK RED FLUID

HISTOPATHOLOGY

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), HEART (HT), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), JEJUNUM (JE), RECTUM (RE), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92788 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 859.8 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 10:56 PROSECTOR: JOHN S. HALFORD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -LARGE; ALL LOBES -LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN AREAS, PINPOINT AND UP TO 2 X 1 MM; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MODERATELY SEVERE -GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-SLIGHT -NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL -VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR,-MODERATE -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT -HYPERPLASIA, BILE DUCT,-MODERATE -FIBROSIS, PERIBILIARY,-MINIMAL -B-ADENOMA, HEPATOCELLULAR,- 2 NEOPLASMS PRESENT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL PANCREAS (PA) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL ADRENAL, CORTEX (AC) : -PIGMENT,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92788 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 859.8 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 10:56 PROSECTOR: JOHN S. HALFORD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, MEDULLA (MA) : -HYPERPLASIA, MEDULLARY,-SLIGHT
	TESTIS (TE) : -LARGE; RIGHT: 27 X 17 X 15 MM (LEFT IS 21 X 15 X 11 MM); RIGHT IS SOFT	TESTIS (TE) : -ATROPHY/DEGENERATION,-SEVERE >NOTE:>UNILATERAL
		THYMUS (TH) : >SECTION EXAMINED; TISSUE NOT PRESENT
	LUNG (LU) : -LIGHT FOCUS(I)/AREA(S); ALONG CAUDAL MARGIN OF LEFT LOBE: SINGLE TAN AREA, 4 X 3 MM	LUNG (LU) : >UNREMARKABLE
		HEART (HT) : -CARDIOMYOPATHY,-SLIGHT
		THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
		PITUITARY (PI) : -HYPERPLASIA,-MODERATE
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92788 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 859.8 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 10:56 PROSECTOR: JOHN S. HALFORD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92789 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 429.3 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 10:12 PROSECTOR: STEVE VAN ADESTINE RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0241	.0056 %	.0109	WEIGHT TAKEN
RT ADRENAL (AD1)	.0290	.0068 %	.0131	WEIGHT TAKEN
BRAIN (BR)	2.2120	.5153 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.9168	.4465 %	.8665	WEIGHT TAKEN
RT KIDNEY (KD1)	1.9639	.4575 %	.8878	WEIGHT TAKEN
LIVER (LI)	17.7112	4.1256 %	8.0069	WEIGHT TAKEN
LUNG (LU)	1.7041	.3969 %	.7704	WEIGHT TAKEN
SPLEEN (SP)	.7950	.1852 %	.3594	WEIGHT TAKEN
LF TESTIS (TE0)	1.5051	.3506 %	.6804	WEIGHT TAKEN
RT TESTIS (TE1)	1.6074	.3744 %	.7267	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0108	.0025 %	.0049	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0112	.0026 %	.0051	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

THYMUS (TH) :
-RED FOCUS(I)/AREA(S); DIFFUSE: MULTIPLE DARK RED PINPOINT FOCI

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MODERATE
-NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR,-MINIMAL

THYMUS (TH) :
>NOT REQUIRED TO BE EXAMINED FOR ANIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92789 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 429.3 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 10:12 PROSECTOR: STEVE VAN ADESTINE RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN
-MALOCCLUSION; BILATERAL UPPER INCISORS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92790 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 608.7 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 10:24 PROSECTOR: TODD ACKER RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0252	.0041 %	.0112	WEIGHT TAKEN
RT ADRENAL (AD1)	.0215	.0035 %	.0095	WEIGHT TAKEN
BRAIN (BR)	2.2573	.3708 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	2.6769	.4398 %	1.1859	WEIGHT TAKEN
RT KIDNEY (KD1)	2.5370	.4168 %	1.1239	WEIGHT TAKEN
LIVER (LI)	30.5157	5.0133 %	13.5187	WEIGHT TAKEN
LUNG (LU)	1.8934	.3111 %	.8388	WEIGHT TAKEN
SPLEEN (SP)	.7560	.1242 %	.3349	WEIGHT TAKEN
LF TESTIS (TE0)	1.5265	.2508 %	.6763	WEIGHT TAKEN
RT TESTIS (TE1)	1.5153	.2489 %	.6713	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0212	.0035 %	.0094	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0294	.0048 %	.0130	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MODERATELY SEVERE
-VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR,-SLIGHT
KIDNEY (KD) :
-PIGMENT, TUBULAR,-MINIMAL
-HYALINE DROPLETS, TUBULAR EPITHELIUM,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92790 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 608.7 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 10:24 PROSECTOR: TODD ACKER RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

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

HISTOPATHOLOGY

PANCREAS (PA) :
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
ADRENAL, CORTEX (AC) :
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
THYMUS (TH) :
-HEMORRHAGE,-PRESENT
-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL
LUNG (LU) :
-MINERALIZATION, VASCULAR,-MINIMAL
-INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL
HEART (HT) :
-CARDIOMYOPATHY,-MINIMAL
RECTUM (RE) :
-PARASITISM,-PRESENT
URINARY BLADDER (UB) :
-PROTEINACEOUS MATERIAL, LUMINAL,-PRESENT
PROSTATE (PR) :
-INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92790 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 608.7 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 10:24 PROSECTOR: TODD ACKER RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), SKIN (SK), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92791 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 826.3 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 10:12 PROSECTOR: JARED FISHEL RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); DORSAL; WEEK 93; 20 X 20MM; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; SORE/SCAB; DORSAL; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -LIGHT FOCUS(I)/AREA(S); DIAPHRAGMATIC SURFACE OF RIGHT MEDIAN LOBE: SINGLE TAN AREA, 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MODERATE -DEGENERATION, CYSTIC,-SLIGHT -HYPERPLASIA, BILE DUCT,-SLIGHT -FIBROSIS, PERIBILIARY,-MINIMAL LIVER-OIL RED O (LI0) : -VACUOLES, OIL RED O-POSITIVE, HEPATOCELLULAR,-MODERATE KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT PANCREAS (PA) : -HYPERTROPHY / BASOPHILIA, ACINAR CELL,-MINIMAL -INFILTRATION, FAT, INTERSTITIAL,-SLIGHT ADRENAL, CORTEX (AC) : -PIGMENT,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92791 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 826.3 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 10:12 PROSECTOR: JARED FISHEL RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-SLIGHT
	THYROID (TY) : -LARGE; BILATERAL: EACH IS 9 X 4 X 4 MM	THYROID (TY) : >UNREMARKABLE
		PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL STOMACH, GL (ST) : -HYPERPLASIA, EPITHELIAL, GLANDULAR,-SLIGHT
	SKIN (SK) : -MASS(ES); RIGHT LUMBAR REGION: SINGLE MASS, 30 X 25 X 15 MM, RED, TAN, AND FIRM; CUT SURFACE EXUDES A TAN CASEOUS SEMISOLID; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 22); OVERLYING SKIN HAS A SINGLE DARK BROWN AND MOIST ULCERATED AREA, 15 MM IN DIAMETER; MASS AND OVERLYING SKIN COLLECTED INTACT	SKIN (SK) : -B-KERATOACANTHOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92791 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 826.3 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 10:12 PROSECTOR: JARED FISHEL RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92792 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 667.3 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 7:42 PROSECTOR: TROY ELLENBECKER RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-LEFT; WEEK 101; 50 X 60 MM; VERIFIED AT NECROPSY: OBSERVED >MASS(ES); VENTRAL-ABDOMINAL; WEEK 104; VERIFIED AT NECROPSY: NOT OBSERVED >SKIN & PELAGE; SORE/SCAB; AXILLARY REGION-LEFT; VERIFIED AT NECROPSY: OBSERVED	KIDNEY (KD) : -LARGE PELVIS(ES); BILATERAL -ROUGH SURFACE, DIFFUSE; BILATERAL ADRENAL, CORTEX (AC) : -DIFFUSELY DARK; BILATERAL: DARK BROWN	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -DEGENERATION, CYSTIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE -DILATATION, PELVIC,-MODERATE -HYALINE DROPLETS, TUBULAR EPITHELIUM,-SEVERE SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MINIMAL PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-SLIGHT ADRENAL, CORTEX (AC) : -VACUOLATION, FOCAL,-MINIMAL -PIGMENT,-MINIMAL BONE, STERNUM (SB) : -X-HEMATOPOIETIC NEOPLASIA (SEE HN),-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92792 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 667.3 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 7:42 PROSECTOR: TROY ELLENBECKER RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
	MUSCLE, SKELETAL (SM) : -MASS(ES); INVOLVING ENTIRE LEFT FORELIMB EXTENDING TO AXILLARY REGION: SINGLE MASS, 60 X 40 X 30 MM, RED, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (SEE AXILLARY); OVERLYING SKIN HAS A TAN, DRY CRUSTED AREA, 20 X 10 MM; COLLECTED INTACT WITH MASS	MUSCLE, SKELETAL (SM) : >UNREMARKABLE >NOTE:>SEE SKIN FOR DIAGNOSIS OF MASS
		TRACHEA (TR) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT ESOPHAGUS (ES) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT THYROID (TY) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); INVOLVING ENTIRE LEFT ASPECT: SINGLE RED AREA, 3 MM IN DIAMETER	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		SKIN (SK) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92792 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 667.3 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 7:42 PROSECTOR: TROY ELLENBECKER RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PROSTATE (PR) : -NODULAR; PROXIMAL SURROUNDING URETHRA: GREEN AND FIRM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL
		HEMATO NEOPLASIA (HN) : -M-SARCOMA, HISTIOCYTIC,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, AXILLARY (AX) : -MOTTLED; BILATERAL: RED AND TAN (CAP 22)	LN, AXILLARY (AX) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT -HEMORRHAGE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92792 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 667.3 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 7:42 PROSECTOR: TROY ELLENBECKER RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), SPINAL CORD (SC), THYMUS (TH), NERVE, SCIATIC (SN), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92793 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 311.2 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 11:17 PROSECTOR: JODI THIEREN RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LF KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	12.6977	4.0801 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN

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

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92793 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 311.2 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 11:17 PROSECTOR: JODI THIEREN RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE),
BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM),
NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI),
HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE),
ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR),
SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN),
LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI),
LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP),
AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT),
DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO),
PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS),
BILE DUCT (BD), TRIGEMINAL NERVE (TG)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92794 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 05/26/99 STUDY DAY OF DEATH: 402 STUDY WEEK OF DEATH: 58 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 05/26/99 10:55 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>EYES; RED DISCHARGE; EYE-RIGHT;
VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT
NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; BROWN HAIR COAT;
VENTRAL-ABDOMINAL; VERIFIED AT
NECROPSY: OBSERVED
>APPEARANCE; THIN; VERIFIED AT
NECROPSY: NOT OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-HYPERTROPHY, HEPATOCELLULAR,
CENTRILOBULAR POLYKARYOCYTOSIS
OCCASIONALLY NOTED,-MODERATE
-VACUOLATION, HEPATOCELLULAR, MIDZONAL
/ CENTRILOBULAR,-SLIGHT
KIDNEY (KD) :
-MINERALIZATION, TUBULAR,-MODERATE
-INFLAMMATION, CHRONIC-ACTIVE, PELVIC,-
SLIGHT
-NECROSIS, PAPILLARY,-MODERATELY SEVERE
SPLEEN (SP) :
-DEPLETION, LYMPHOCYTIC,-MODERATELY
SEVERE
PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-
MODERATELY SEVERE
LN, MESENTERIC (MS) :
-MINERALIZATION, VASCULAR,-SLIGHT
MARROW, STERNUM (SE) :
-HYPERPLASIA, MYELOID, MARROW,-MODERATE
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY
COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-
MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92794 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 05/26/99 STUDY DAY OF DEATH: 402 STUDY WEEK OF DEATH: 58 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 05/26/99 10:55 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-DISCHARGE-OCULAR; RIGHT: DRY, RED MATERIAL

HISTOPATHOLOGY

LUNG (LU) :
-MINERALIZATION, VASCULAR,-MINIMAL
HEART (HT) :
-CARDIOMYOPATHY,-SLIGHT
-MINERALIZATION, VASCULAR,-MODERATE
-MINERALIZATION,-MODERATE
PITUITARY (PI) :
-HYPERPLASIA,-MINIMAL
SALIV GL, MANDIB (SG) :
-ATROPHY,-MODERATE
STOMACH, GL (ST) :
-MINERALIZATION, GLANDULAR MUCOSA,-MODERATE
ILEUM (IL) :
>AUTOLYTIC
URINARY BLADDER (UB) :
-HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT
-INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT
PROSTATE (PR) :
-INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
CAUSE OF DEATH (CD) :
-INFECTION / NECROSIS / CALCULUS, URINARY TRACT,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92794 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 05/26/99 STUDY DAY OF DEATH: 402 STUDY WEEK OF DEATH: 58 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 05/26/99 10:55 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; BOTH REGIONS, EXTENDING TO VENTRAL ABDOMINAL REGION: MOIST, BROWN MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92794 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 05/26/99 STUDY DAY OF DEATH: 402 STUDY WEEK OF DEATH: 58 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 05/26/99 10:55 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92795 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 676.3 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 9:00 PROSECTOR: JOHN S. HALFORD RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0216	.0032 %	.0090	WEIGHT TAKEN
RT ADRENAL (AD1)	.0266	.0039 %	.0111	WEIGHT TAKEN
BRAIN (BR)	2.4060	.3558 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	2.1778	.3220 %	.9052	WEIGHT TAKEN
RT KIDNEY (KD1)	2.2393	.3311 %	.9307	WEIGHT TAKEN
LIVER (LI)	29.6021	4.3771 %	12.3034	WEIGHT TAKEN
LUNG (LU)	1.9817	.2930 %	.8236	WEIGHT TAKEN
SPLEEN (SP)	.7006	.1036 %	.2912	WEIGHT TAKEN
LF TESTIS (TE0)	2.0765	.3070 %	.8631	WEIGHT TAKEN
RT TESTIS (TE1)	2.0178	.2984 %	.8387	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0205	.0030 %	.0085	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0277	.0041 %	.0115	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MODERATELY SEVERE
-NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR,-SLIGHT
-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL
-VACUOLATION, HEPATOCELLULAR,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92795 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 676.3 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 9:00 PROSECTOR: JOHN S. HALFORD RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT ADRENAL, CORTEX (AC) : -VACUOLATION, DIFFUSE,-SLIGHT THYMUS (TH) : -M-THYMIC CARCINOMA,-NEOPLASM PRESENT LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-MINIMAL -HEMORRHAGE,-MINIMAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92795 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 676.3 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 9:00 PROSECTOR: JOHN S. HALFORD RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92796 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 543.3 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 10:00 PROSECTOR: TODD ACKER RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0276	.0051 %	.0113	WEIGHT TAKEN
RT ADRENAL (AD1)	.0283	.0052 %	.0116	WEIGHT TAKEN
BRAIN (BR)	2.4368	.4485 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	2.1147	.3892 %	.8678	WEIGHT TAKEN
RT KIDNEY (KD1)	2.1334	.3927 %	.8755	WEIGHT TAKEN
LIVER (LI)	20.3375	3.7433 %	8.3460	WEIGHT TAKEN
LUNG (LU)	1.9590	.3606 %	.8039	WEIGHT TAKEN
SPLEEN (SP)	.8078	.1487 %	.3315	WEIGHT TAKEN
LF TESTIS (TE0)	1.5539	.2860 %	.6377	WEIGHT TAKEN
RT TESTIS (TE1)	1.6589	.3053 %	.6808	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0163	.0030 %	.0067	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0156	.0029 %	.0064	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MODERATE
-VACUOLATION, HEPATOCELLULAR,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
PANCREAS (PA) :
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92796 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 543.3 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 10:00 PROSECTOR: TODD ACKER RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -INFILTRATE, MACROPHAGE, PIGMENTED,- MINIMAL
	THYMUS (TH) : -LARGE; 16 X 12 X 4 MM -GELATINOUS; DIFFUSE: DARK RED	THYMUS (TH) : >SECTION EXAMINED; TISSUE NOT PRESENT
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92796 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 543.3 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 10:00 PROSECTOR: TODD ACKER RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92797 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/01/00 STUDY DAY OF DEATH: 653 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 1010.8 GRAMS
DATE AND TIME OF NECROPSY: 02/01/00 14:37 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 81; 120 X 110MM; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) :	BRAIN (BR) :
>APPEARANCE; LIMITED USE; LIMB-HIND-RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE	-DIFFUSELY DARK; ALL LOBES: BROWN	-MINERALIZATION,-MINIMAL
	-CYST(S); ALL LOBES: MULTIPLE CLEAR FLUID FILLED CYSTS, PINPOINT AND UP TO 1 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) :
		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT
		-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
		-DEGENERATION, CYSTIC,-SLIGHT
		-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL
		-HYPERPLASIA, BILE DUCT,-MINIMAL
		-FIBROSIS, PERIBILIARY,-MINIMAL
		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
		SPLEEN (SP) :
		-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATELY SEVERE
		PANCREAS (PA) :
		-ATROPHY, ACINAR,-MINIMAL
		ADRENAL, CORTEX (AC) :
		-VACUOLATION, FOCAL,-SLIGHT
		-HYPERTROPHY, CORTICAL CELL,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92797 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/01/00 STUDY DAY OF DEATH: 653 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 1010.8 GRAMS
DATE AND TIME OF NECROPSY: 02/01/00 14:37 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	TESTIS (TE) : -RED/YELLOW FOCUS(I)/AREA(S); LEFT, BENEATH TUNICA: MULTIPLE RED AND YELLOW AREAS, UP TO 6 X 5 MM	TESTIS (TE) : -B-INTERSTITIAL CELL TUMOR,-NEOPLASM PRESENT MARROW, FEMUR (FM) : -HYPERPLASIA, ERYTHROID, MARROW,-MODERATE MARROW, STERNUM (SE) : -HYPERPLASIA, ERYTHROID, MARROW,-MODERATE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
	THYROID (TY) : -LARGE; LEFT: 10 X 7 X 6 MM (RIGHT IS 8 X 4 X 3 MM)	THYROID (TY) : -M-CARCINOMA, FOLLICULAR CELL,-NEOPLASM PRESENT PITUITARY (PI) : -HYPERPLASIA,-MODERATE PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL EPIDIDYMIDES (EP) : -IMMATURE SPERM FORMS,-SLIGHT CAUSE OF DEATH (CD) : -NEOPLASM, MAMMARY GLAND,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92797 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/01/00 STUDY DAY OF DEATH: 653 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 1010.8 GRAMS
DATE AND TIME OF NECROPSY: 02/01/00 14:37 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, MALE (MM) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 20 X 15 X 8 MM, TAN, LOBULATED, AND SOFT; SAME ON CUT SURFACE (CAP 22); REGIONAL LN (AXILLARY) NORMAL (CAP 23) -MASS #2; RIGHT INGUINAL REGION, EXTENDING TO RIGHT LATERAL ABDOMINAL REGION: SINGLE MASS, 135 X 115 X 55 MM (410.3 GRAMS), RED, DARK RED, TAN, GREY, LOBULATED, AND FIRM; SAME ON CUT SURFACE; PORTION COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	MAMMARY, MALE (MM) : -B-FIBROADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92797 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/01/00 STUDY DAY OF DEATH: 653 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 1010.8 GRAMS
DATE AND TIME OF NECROPSY: 02/01/00 14:37 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92798 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 301.4 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 11:00 PROSECTOR: LYNN HORNER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LF KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	13.1989	4.3792 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF TESTIS (TE0)	--------	--------	--------	NOT TAKEN
RT TESTIS (TE1)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN

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

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92798 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 301.4 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 11:00 PROSECTOR: LYNN HORNER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE),
BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM),
NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI),
HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE),
ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR),
SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN),
LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI),
LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP),
AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT),
DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO),
PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS),
BILE DUCT (BD), TRIGEMINAL NERVE (TG)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92799 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 512.6 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 10:07 PROSECTOR: TROY ELLENBECKER RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0288	.0056 %	.0118	WEIGHT TAKEN
RT ADRENAL (AD1)	.0286	.0056 %	.0117	WEIGHT TAKEN
BRAIN (BR)	2.4425	.4765 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	2.0511	.4001 %	.8398	WEIGHT TAKEN
RT KIDNEY (KD1)	2.0596	.4018 %	.8432	WEIGHT TAKEN
LIVER (LI)	23.1666	4.5194 %	9.4848	WEIGHT TAKEN
LUNG (LU)	1.9190	.3744 %	.7857	WEIGHT TAKEN
SPLEEN (SP)	.8479	.1654 %	.3471	WEIGHT TAKEN
LF TESTIS (TE0)	1.7019	.3320 %	.6968	WEIGHT TAKEN
RT TESTIS (TE1)	1.7440	.3402 %	.7140	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0094	.0018 %	.0038	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0104	.0020 %	.0043	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT
-VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR,-SLIGHT
KIDNEY (KD) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-MINIMAL
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92799 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 512.6 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 10:07 PROSECTOR: TROY ELLENBECKER RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

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

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92800 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 601.5 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 10:27 PROSECTOR: GREGORY CODDINGTON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		BRAIN (BR) : -MINERALIZATION,-MINIMAL
	LIVER (LI) : -LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN AREAS, UP TO 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MODERATE -DEGENERATION, CYSTIC,-MINIMAL -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL -FIBROSIS, PERIBILIARY,-MINIMAL -B-ADENOMA, HEPATOCELLULAR,- 2 NEOPLASMS PRESENT
		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT
	PANCREAS (PA) : -MASS(ES); INVOLVING ENTIRE ORGAN: SINGLE MASS, 27 X 18 X 14 MM, RED, DARK RED, TAN, GREY, LOBULATED AND FIRM; SOME SECTIONS EXUDE A DARK RED FLUID; (CAP 22); REGIONAL LN (PANCREATIC) NOT IDENTIFIED	PANCREAS (PA) : -M-CARCINOMA, ISLET CELL,-NEOPLASM PRESENT -INFLAMMATION, VASCULAR,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92800 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 601.5 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 10:27 PROSECTOR: GREGORY CODDINGTON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -VACUOLATION, FOCAL,-MINIMAL -HYPERTROPHY, CORTICAL CELL,-MINIMAL -PIGMENT,-MINIMAL THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-MINIMAL MUSCLE, SKELETAL (SM) : -ATROPHY,-MODERATELY SEVERE NERVE, SCIATIC (SN) : -DEGENERATION,-SLIGHT THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -LARGE; 5 X 4 X 3 MM; APPEARS SWOLLEN STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE BLACK AREAS, UP TO 2 X 1 MM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT STOMACH, GL (ST) : -EROSION,-MINIMAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92800 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 601.5 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 10:27 PROSECTOR: GREGORY CODDINGTON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92801 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 05/17/99 STUDY DAY OF DEATH: 393 STUDY WEEK OF DEATH: 57 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 05/17/99 13:49 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 53; 15 X 15MM; VERIFIED AT NECROPSY: OBSERVED >MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 56; 70 X 80MM; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -LARGE; ALL LOBES: THICKENED -DIFFUSELY LIGHT; ALL LOBES: TAN	LIVER (LI) : -GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-MINIMAL -PIGMENT, HEPATOCELLULAR, CENTRILOBULAR,-MINIMAL -NECROSIS, COAGULATIVE,-MODERATE -DEGENERATION / NECROSIS, CENTRILOBULAR,-SLIGHT -LEUKOCYTOSIS, SINUSOIDAL,-SLIGHT
	KIDNEY (KD) : -LARGE PELVIS(ES); LEFT -LARGE; LEFT: 30 X 20 X 15 MM (FOR COMPARISON, RIGHT IS 25 X 15 X 10 MM)	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT -DILATATION, PELVIC,-MODERATE
		PANCREAS (PA) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
		ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-SLIGHT
	TESTIS (TE) : -SMALL; LEFT: 20 X 10 X 8 MM (FOR COMPARISON, RIGHT IS 25 X 15 X 10 MM)	TESTIS (TE) : -ATROPHY/DEGENERATION,-MINIMAL
		MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,-MINIMAL
		MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92801 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 05/17/99 STUDY DAY OF DEATH: 393 STUDY WEEK OF DEATH: 57 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 05/17/99 13:49 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE JEJUNUM (JE) : >AUTOLYTIC PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
	SEMINAL VESICLES (SV) : -GELATINOUS; RIGHT: CLEAR	SEMINAL VESICLES (SV) : -SECRETION, INCREASED,-PRESENT
		CAUSE OF DEATH (CD) : -NEOPLASM, ABDOMINAL CAVITY,-PRESENT
	LN, MEDIASTINAL (ML) : -LARGE; UP TO 5 X 3 X 2 MM (CAP 22) -DIFFUSELY RED; DARK RED	LN, MEDIASTINAL (ML) : -HEMORRHAGE,-PRESENT
	CAVITY, ABDOM (PC) : -MASS(ES); WITHIN ABDOMINAL CAVITY, JUST CAUDAL TO LEFT KIDNEY: SINGLE MASS, 100 X 80 X 60 MM (135.7 GRAMS), RED, DARK RED, TAN, FIRM, AND LOBULATED; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (RENAL) NOT IDENTIFIED; POSSIBLY CONSISTENT WITH MASS (VENTRAL HIND LEFT) NOTED IN CLINICAL OBSERVATIONS	CAVITY, ABDOM (PC) : -M-FIBROSARCOMA,-NEOPLASM PRESENT
		PREPUTIAL GLAND (PG) : -INFLAMMATION, CHRONIC-ACTIVE,-SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92801 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 05/17/99 STUDY DAY OF DEATH: 393 STUDY WEEK OF DEATH: 57 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 05/17/99 13:49 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PREPUTIAL GLAND (PG) : -LARGE; RIGHT: 40 X 30 X 15 MM (FOR COMPARISON, LEFT IS 14 X 3 X 2 MM); RIGHT IS FILLED WITH GREEN, CREAMY SEMIFLUID (CAP 21); POSSIBLY CONSISTENT WITH MASS (VENTRAL HIND RIGHT) NOTED IN CLINICAL OBSERVATIONS GENERAL COMMENT (GC) : -FLUID-ABDOMINAL CAVITY; DARK RED SEMIFLUID -PALE MUCOUS MEMBRANES	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92801 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 05/17/99 STUDY DAY OF DEATH: 393 STUDY WEEK OF DEATH: 57 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 05/17/99 13:49 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92802 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 949.1 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 8:43 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MODERATELY SEVERE -GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-MODERATE -VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR,-MODERATELY SEVERE -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MODERATE -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-SLIGHT -INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MINIMAL ADRENAL, CORTEX (AC) : -PIGMENT,-MINIMAL ADRENAL, MEDULLA (MA) : -HYPERPLASIA, MEDULLARY,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92802 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 949.1 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 8:43 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		TESTIS (TE) : -HYPERPLASIA, INTERSTITIAL CELL (LEYDIG CELL),-MINIMAL THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE HEART (HT) : -CARDIOMYOPATHY,-MINIMAL THYROID (TY) : -DILATATION / CYST, FOLLICULAR,-PRESENT
	STOMACH, GL (ST) : -THICKENED WALL; DIFFUSE	STOMACH, GL (ST) : >UNREMARKABLE PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT SEMINAL VESICLES (SV) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -ANIMAL OBESE GENERAL INFORMATION (XX) : >NOTE:>ANIMAL IDENTIFICATION TRANSPONDER DAMAGED AT NECROPSY	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92802 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 949.1 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 8:43 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92803 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 703.7 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 10:43 PROSECTOR: TROY ELLENBECKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -LARGE; ALL LOBES, APPEAR ROUNDED -LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN AREAS, UP TO 3 MM IN DIAMETER, COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MODERATELY SEVERE -GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-MODERATE -VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR,-MODERATE -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MODERATE -ANGIECTASIS,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-MODERATE ADRENAL, CORTEX (AC) : -VACUOLATION, FOCAL,-SLIGHT -HYPERTROPHY, CORTICAL CELL,-SLIGHT -HYPERPLASIA, CORTICAL,-MINIMAL TESTIS (TE) : -MINERALIZATION, VASCULAR,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92803 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 703.7 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 10:43 PROSECTOR: TROY ELLENBECKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, FEMUR (FM) : -HYPOCELLULAR, MARROW,-MODERATE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT HEART (HT) : -CARDIOMYOPATHY,-MINIMAL THYROID (TY) : -DILATATION / CYST, FOLLICULAR,-PRESENT PITUITARY (PI) : -HYPERPLASIA,-MINIMAL
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: SINGLE DARK BROWN AREA, 2 X 1 MM	STOMACH, GL (ST) : >UNREMARKABLE
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92803 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 703.7 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 10:43 PROSECTOR: TROY ELLENBECKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92804 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 928.4 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 7:44 PROSECTOR: JARED FISHEL RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -MOTTLED; ALL LOBES: RED AND TAN	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MODERATELY SEVERE -VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR,-MODERATELY SEVERE -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-SLIGHT -DEGENERATION, CYSTIC,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-MODERATE -HYPERTROPHY / BASOPHILIA, ACINAR CELL,-MINIMAL THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92804 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 928.4 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 7:44 PROSECTOR: JARED FISHEL RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LUNG (LU) : -HYPERPLASIA, TYPE II PNEUMOCYTE,- MINIMAL HEART (HT) : -CARDIOMYOPATHY,-SLIGHT
	THYROID (TY) : -LARGE; BILATERAL: EACH IS 9 X 7 X 4 MM	THYROID (TY) : >UNREMARKABLE
		PITUITARY (PI) : -HYPERPLASIA,-MODERATE CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -ANIMAL OBESE	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92804 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 928.4 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 7:44 PROSECTOR: JARED FISHEL RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92805 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/01/99 STUDY DAY OF DEATH: 500 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: 555.8 GRAMS
DATE AND TIME OF NECROPSY: 09/01/99 15:24 PROSECTOR: JERALD W. JOHNSON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>SKIN & PELAGE; SORE/SCAB; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE
>EYES; RED DISCHARGE; EYE-LEFT; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MINIMAL
-HYPERPLASIA, BILE DUCT,-MINIMAL
-FIBROSIS, PERIBILIARY,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-MINIMAL
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-MINERALIZATION, PELVIC,-MINIMAL
SPLEEN (SP) :
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92805 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/01/99 STUDY DAY OF DEATH: 500 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: 555.8 GRAMS
DATE AND TIME OF NECROPSY: 09/01/99 15:24 PROSECTOR: JERALD W. JOHNSON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 12 X 9 X 7 MM, DARK RED, SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE
	SEMINAL VESICLES (SV) : -SMALL; BILATERAL: EACH IS 14 X 8 X 3 MM	SEMINAL VESICLES (SV) : -ATROPHY,-MODERATELY SEVERE
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	FOOT/FOOTPAD (FP) : -CRUSTED AREA(S); LEFT HIND FOOTPAD: SINGLE DARK BROWN, TAN, DRY CRUSTED AREA, 8 X 6 MM; COLLECTED	FOOT/FOOTPAD (FP) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE -ULCERATION,-MODERATE -ACANTHOSIS / HYPERKERATOSIS,-MODERATELY SEVERE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; LEFT: DARK RED, DRY MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92805 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/01/99 STUDY DAY OF DEATH: 500 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: 555.8 GRAMS
DATE AND TIME OF NECROPSY: 09/01/99 15:24 PROSECTOR: JERALD W. JOHNSON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92806 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/10/00 STUDY DAY OF DEATH: 691 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: 515.7 GRAMS
DATE AND TIME OF NECROPSY: 03/10/00 13:37 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: NOT OBSERVED
>APPEARANCE; MISSING; TEETH; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; SORE/SCAB; VENTRAL-ABDOMINAL-RIGHT; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE
>RESPIRATION; IRREGULAR; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)
LIVER (LI) :
-MOTTLED; ALL LOBES: RED AND BROWN

HISTOPATHOLOGY

EYE (EY) :
-DYSTROPHY, CORNEAL IN EARLY STAGES, CONSISTS PRIMARILY OF FOCAL MINERALIZATION,-MINIMAL
BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MODERATE
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
SPLEEN (SP) :
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE
PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-SEVERE
ADRENAL, CORTEX (AC) :
-PIGMENT,-SLIGHT
MARROW, STERNUM (SE) :
-HYPERPLASIA, ERYTHROID, MARROW,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92806 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/10/00 STUDY DAY OF DEATH: 691 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: 515.7 GRAMS
DATE AND TIME OF NECROPSY: 03/10/00 13:37 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-SLIGHT MUSCLE, SKELETAL (SM) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 9 X 7 X 6 MM, DARK RED, TAN, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -THICKENED WALL; MUCOSA: DIFFUSE	STOMACH, GL (ST) : >UNREMARKABLE
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: MULTIPLE TAN ULCERATED AREAS, UP 1 MM IN DIAMETER	STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-MODERATE -EDEMA,-PRESENT -ULCERATION,-MINIMAL -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
	SKIN (SK) : -CRUSTED AREA(S); RIGHT VENTRAL ABDOMINAL REGION: SINGLE DARK RED DRY AREA, 5 X 3 MM (CAP 22)	SKIN (SK) : -ACANTHOSIS/HYPERKERATOSIS,-SLIGHT -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE -BACTERIAL COLONIES,-PRESENT -SUPERFICIAL CRUSTING,-MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92806 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/10/00 STUDY DAY OF DEATH: 691 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: 515.7 GRAMS
DATE AND TIME OF NECROPSY: 03/10/00 13:37 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		URINARY BLADDER (UB) : -PROTEINACEOUS MATERIAL, LUMINAL,-PRESENT
	PROSTATE (PR) : -NODULAR; PROXIMAL SURROUNDING URETHRA: GREEN AND FIRM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
		MAMMARY, MALE (MM) : -GALACTOCELE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -TEETH MISSING/BROKEN/WORN; LEFT UPPER INCISOR: MISSING RIGHT UPPER INCISOR: BROKEN AT BASE -GI TRACT-LARGE LUMEN; CECUM: UP 20 MM IN DIAMETER	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92806 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/10/00 STUDY DAY OF DEATH: 691 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: 515.7 GRAMS
DATE AND TIME OF NECROPSY: 03/10/00 13:37 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), BONE, STERNUM (SB), SPINAL CORD (SC), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92807 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/07/99 STUDY DAY OF DEATH: 597 STUDY WEEK OF DEATH: 86 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/07/99 8:28 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MODERATE -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT -DEGENERATION, CYSTIC,-MINIMAL -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-SLIGHT SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE PANCREAS (PA) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92807 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/07/99 STUDY DAY OF DEATH: 597 STUDY WEEK OF DEATH: 86 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/07/99 8:28 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -PIGMENT,-MINIMAL THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 8 X 6 X 5 MM, RED, DARK RED, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92807 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/07/99 STUDY DAY OF DEATH: 597 STUDY WEEK OF DEATH: 86 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/07/99 8:28 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92808 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 599.6 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 9:44 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 98; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); INGUINAL REGION-LEFT; WEEK 98; 10 X 10 MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); AXILLARY REGION-LEFT; WEEK 103; 10 X 10 MM; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; SORE/SCAB; AXILLARY REGION-LEFT; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT
-GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR,-MINIMAL
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
-HYPERPLASIA, BILE DUCT,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
PANCREAS (PA) :
-ATROPHY, ACINAR,-SEVERE
ADRENAL, CORTEX (AC) :
-VACUOLATION, FOCAL,-MODERATELY SEVERE
-PIGMENT,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92808 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 599.6 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 9:44 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-SLIGHT THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -RAISED AREA(S); LEFT POSTERIOR ASPECT: SINGLE DARK RED, SOFT AREA, 4 X 3 X 2 MM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -THICKENED WALL; DIFFUSE	STOMACH, GL (ST) : -HYPERPLASIA, EPITHELIAL, GLANDULAR,-SLIGHT
	SKIN (SK) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 12 X 8 X 8 MM, TAN AND FIRM; SAME ON CUT SURFACE; OVERLYING SKIN HAS A TAN AND DRY ULCERATED AREA, 5 X 4 MM; COLLECTED INTACT WITH MASS; REGIONAL LN (AXILLARY) NORMAL (CAP 27)	SKIN (SK) : -CYST, EPIDERMAL INCLUSION,-PRESENT -B-KERATOACANTHOMA,-NEOPLASM PRESENT
		URINARY BLADDER (UB) : -PROTEINACEOUS MATERIAL, LUMINAL,-PRESENT PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

PAGE: 925

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92808 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 599.6 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 9:44 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,- MODERATE
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: DARK RED (CAP 23)	LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,- MODERATE -HEMORRHAGE,-PRESENT
	MAMMARY, MALE (MM) : -CYST(S); BILATERAL PECTORAL REGIONS: MULTIPLE TAN CREAMY FLUID FILLED CYSTS, UP TO 8 MM IN DIAMETER (CAP 22) -MASS(ES); LEFT VENTRAL ABDOMINAL REGION: SINGLE MASS, 15 X 11 X 8 MM, TAN, RED AND FIRM; SAME ON CUT SURFACE; (CAP 24); REGIONAL LN (INGUINAL) NOT IDENTIFIED -MASS #2; LEFT INGUINAL REGION: SINGLE MASS, 14 X 10 X 8 MM, TAN AND FIRM; CUT SURFACE EXUDES A BROWN CREAMY SEMIFLUID; (CAP 25); REGIONAL LN (INGUINAL) NOT IDENTIFIED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	MAMMARY, MALE (MM) : -GALACTOCELE,-PRESENT -B-ADENOMA,-NEOPLASM PRESENT >NOTE:>MASS #2 IS THE ADENOMA MASS #1 IS AN EPIDERMAL INCLUSION CYST DIAGNOSED UNDER SKIN

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92808 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 599.6 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 9:44 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92809 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 814.4 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 11:37 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-LEFT; WEEK 85; 70 X 80 MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT -PIGMENT, HEPATOCELLULAR, CENTRILOBULAR,-SLIGHT -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT -DEGENERATION, CYSTIC,-SLIGHT -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATELY SEVERE SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATELY SEVERE PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-MODERATELY SEVERE -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92809 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 814.4 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 11:37 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-MINIMAL
	LN, MESENTERIC (MS) : -MASS(ES); WITHIN CHAIN: SINGLE MASS, 6 MM IN DIAMETER, DARK RED, TAN, AND SOFT; SAME ON CUT SURFACE; COLLECTED INTACT	LN, MESENTERIC (MS) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE >NOTE:>SEE PANCREAS FOR DIAGNOSIS OF MASS
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE
		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL
		HEART (HT) : -CARDIOMYOPATHY,-SLIGHT
	PITUITARY (PI) : -MASS(ES); 8 X 6 X 6 MM, DARK RED, GRAY, SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE BLACK AREAS, UP TO 2 X 1 MM -THICKENED WALL; MUCOSA: DIFFUSE	STOMACH, GL (ST) : -EROSION,-MINIMAL -HYPERPLASIA, EPITHELIAL, GLANDULAR,-SLIGHT
		SKIN (SK) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT -B-LIPOMA,-NEOPLASM PRESENT
		URINARY BLADDER (UB) : -PROTEINACEOUS MATERIAL, LUMINAL,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92809 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 814.4 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 11:37 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	MAMMARY, MALE (MM) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 80 X 80 X 25 MM, TAN AND SOFT; SAME ON CUT SURFACE; PORTION COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 22) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	MAMMARY, MALE (MM) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL >NOTE:>SEE SKIN FOR DIAGNOSIS OF MASS

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92809 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 814.4 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 11:37 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92810 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/21/00 STUDY DAY OF DEATH: 673 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 419.9 GRAMS
DATE AND TIME OF NECROPSY: 02/21/00 14:45 PROSECTOR: JERALD W. JOHNSON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) :	BRAIN (BR) :
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) :	LIVER (LI) :
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	-MOTTLED; ALL LOBES: TAN AND BROWN	-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT
		-GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-MINIMAL
		-PIGMENT, HEPATOCELLULAR, CENTRILOBULAR,-SLIGHT
		-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
		-MINERALIZATION, PELVIC,-SLIGHT
		-MINERALIZATION, TUBULAR,-MINIMAL
		-VACUOLATION, TUBULAR EPITHELIUM,-SLIGHT
	SPLEEN (SP) :	SPLEEN (SP) :
	-SMALL; 27 X 6 X 4 MM	-PIGMENT, INCREASED,-MODERATELY SEVERE
		PANCREAS (PA) :
		-ZYMOGEN GRANULES, DECREASED,-MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92810 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/21/00 STUDY DAY OF DEATH: 673 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 419.9 GRAMS
DATE AND TIME OF NECROPSY: 02/21/00 14:45 PROSECTOR: JERALD W. JOHNSON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PANCREAS (PA) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL ADRENAL, CORTEX (AC) : -PIGMENT,-MINIMAL ADRENAL, MEDULLA (MA) : -UNILATERALLY EXAMINED,-PRESENT
	TESTIS (TE) : -CONTAINS FLUID; LEFT: RED FLUID -DIFFUSELY RED; LEFT: DARK RED -LARGE; LEFT: 30 X 17 X 15 MM (RIGHT IS 22 X 13 X 12 MM) -MOTTLED; RIGHT: RED AND TAN	TESTIS (TE) : >UNREMARKABLE
		MARROW, FEMUR (FM) : -HYPOCELLULAR, MARROW,-MODERATELY SEVERE MARROW, STERNUM (SE) : -HYPOCELLULAR, MARROW,-MODERATELY SEVERE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92810 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/21/00 STUDY DAY OF DEATH: 673 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 419.9 GRAMS
DATE AND TIME OF NECROPSY: 02/21/00 14:45 PROSECTOR: JERALD W. JOHNSON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MUSCLE, SKELETAL (SM) : -ATROPHY,-MINIMAL
		THYROID (TY) : -HYPERPLASIA, C-CELL,-SLIGHT -DILATATION / CYST, FOLLICULAR,-PRESENT
	PITUITARY (PI) : -MASS(ES); 10 MM IN DIAMETER, DARK RED, TAN, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: MULTIPLE TAN ERODED AREAS, UP TO 2 MM IN DIAMETER -THICKENED WALL; DIFFUSE	STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-MODERATELY SEVERE -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
	PROSTATE (PR) : -NODULAR; PROXIMAL, SURROUNDING URETHRA: TAN, GREEN, AND FIRM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
	SEMINAL VESICLES (SV) : -SMALL; BILATERAL: EACH IS 17 X 8 X 3 MM	SEMINAL VESICLES (SV) : -SECRETION, DECREASED,-PRESENT
		EPIDIDYMIDES (EP) : -IMMATURE SPERM FORMS,-MINIMAL
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92810 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/21/00 STUDY DAY OF DEATH: 673 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 419.9 GRAMS
DATE AND TIME OF NECROPSY: 02/21/00 14:45 PROSECTOR: JERALD W. JOHNSON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LN, MESENTERIC (MS), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92811 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/25/98 STUDY DAY OF DEATH: 250 STUDY WEEK OF DEATH: 36 TERMINAL BODY WEIGHT: 608.8 GRAMS
DATE AND TIME OF NECROPSY: 12/25/98 11:31 PROSECTOR: STEVE VAN ADESTINE RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; LIMITED USE; LIMBS-HIND; VERIFIED AT NECROPSY: NOT APPLICABLE >EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) : -LARGE; ALL LOBES: MARGINS ARE ROUNDED -MOTTLED; ALL LOBES: RED AND TAN SPLEEN (SP) : -LARGE; 54 X 12 X 6 MM	LIVER (LI) : -VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR,-MODERATELY SEVERE -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT -DEGENERATION / NECROSIS, CENTRILOBULAR,-MODERATELY SEVERE KIDNEY (KD) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MINIMAL -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT LN, MESENTERIC (MS) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT BONE, FEMUR (FE) : -X-HEMATOPOIETIC NEOPLASIA (SEE HN),-NEOPLASM PRESENT MARROW, FEMUR (FM) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92811 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/25/98 STUDY DAY OF DEATH: 250 STUDY WEEK OF DEATH: 36 TERMINAL BODY WEIGHT: 608.8 GRAMS
DATE AND TIME OF NECROPSY: 12/25/98 11:31 PROSECTOR: STEVE VAN ADESTINE RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, STERNUM (SE) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT BONE, STERNUM (SB) : -X-HEMATOPOIETIC NEOPLASIA (SEE HN),-NEOPLASM PRESENT HEMATO NEOPLASIA (HN) : -M-LYMPHOMA,-NEOPLASM PRESENT CAUSE OF DEATH (CD) : -NEOPLASM, HEMATOPOIETIC,-PRESENT
	LN, MEDIASTINAL (ML) : -LARGE; UP TO 10 X 5 X 4 MM (CAP 21)	LN, MEDIASTINAL (ML) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92811 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/25/98 STUDY DAY OF DEATH: 250 STUDY WEEK OF DEATH: 36 TERMINAL BODY WEIGHT: 608.8 GRAMS
DATE AND TIME OF NECROPSY: 12/25/98 11:31 PROSECTOR: STEVE VAN ADESTINE RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), TESTIS (TE), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92812 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 490.8 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 13:30 PROSECTOR: STEVE VAN ADESTINE RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0252	.0051 %	.0116	WEIGHT TAKEN
RT ADRENAL (AD1)	.0249	.0051 %	.0114	WEIGHT TAKEN
BRAIN (BR)	2.1817	.4445 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	2.0210	.4118 %	.9263	WEIGHT TAKEN
RT KIDNEY (KD1)	1.8963	.3864 %	.8692	WEIGHT TAKEN
LIVER (LI)	21.4730	4.3751 %	9.8423	WEIGHT TAKEN
LUNG (LU)	1.8765	.3823 %	.8601	WEIGHT TAKEN
SPLEEN (SP)	.7606	.1550 %	.3486	WEIGHT TAKEN
LF TESTIS (TE0)	1.8219	.3712 %	.8351	WEIGHT TAKEN
RT TESTIS (TE1)	1.7586	.3583 %	.8061	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0121	.0025 %	.0055	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0081	.0017 %	.0037	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MODERATE
-VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR,-SLIGHT
KIDNEY (KD) :
-DILATATION, PELVIC,-SLIGHT
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92812 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 490.8 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 13:30 PROSECTOR: STEVE VAN ADESTINE RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

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

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92813 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/13/00 STUDY DAY OF DEATH: 694 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: 463.5 GRAMS
DATE AND TIME OF NECROPSY: 03/13/00 13:45 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); DORSAL; WEEK 87; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>SKIN & PELAGE; SORE/SCAB; DORSAL; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	>UNREMARKABLE
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) :
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		-HYPERPLASIA, BILE DUCT,-MINIMAL
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE		-FIBROSIS, PERIBILIARY,-MINIMAL
		-MITOSIS, HEPATOCELLULAR, INCREASED,-MINIMAL
	KIDNEY (KD) :	KIDNEY (KD) :
	-ROUGH SURFACE, DIFFUSE; BILATERAL	-NEPHROPATHY, CHRONIC PROGRESSIVE,-SEVERE
	-LARGE; BILATERAL: EACH IS 29 X 18 X 13 MM	-DILATATION, PELVIC,-MINIMAL
	-DIFFUSELY LIGHT; BILATERAL: TAN	
	PANCREAS (PA) :	PANCREAS (PA) :
	-MASS(ES); DIFFUSE: TWO MASSES, BOTH ARE 8 X 5 X 4 MM, BOTH ARE TAN, RED AND SOFT; BOTH ARE SAME ON CUT SURFACE (CAP 24); REGIONAL LN (PANCREATIC) NOT IDENTIFIED	-ZYMOGEN GRANULES, DECREASED,-SEVERE
		-M-CARCINOMA, ISLET CELL,- 2 NEOPLASMS PRESENT
		ADRENAL, CORTEX (AC) :
		-VACUOLATION, FOCAL,-SLIGHT
		-PIGMENT,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92813 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/13/00 STUDY DAY OF DEATH: 694 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: 463.5 GRAMS
DATE AND TIME OF NECROPSY: 03/13/00 13:45 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, MEDULLA (MA) : -HYPERPLASIA, MEDULLARY,-MODERATELY SEVERE TESTIS (TE) : -INFLAMMATION, VASCULAR,-MODERATE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-SLIGHT PARATHYROID (PT) : -HYPERPLASIA,-MODERATE
	PITUITARY (PI) : -MASS(ES); 7 X 5 X 4 MM, DARK RED, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	SKIN (SK) : -MASS(ES); LEFT DORSAL THORACIC REGION: SINGLE MASS, 10 MM IN DIAMETER, TAN, DARK RED, AND FIRM; CUT SURFACE EXUDES A TAN, CASEOUS SEMISOLID; COLLECTED; OVERLYING AREA HAS A DARK RED AND DRY CRUSTED AREA, 7 X 4 MM; COLLECTED INTACT; REGIONAL LN (SEE AXILLARY)	SKIN (SK) : -B-KERATOACANTHOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92813 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/13/00 STUDY DAY OF DEATH: 694 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: 463.5 GRAMS
DATE AND TIME OF NECROPSY: 03/13/00 13:45 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PROSTATE (PR) : -NODULAR; PROXIMAL, SURROUNDING URETHRA: GREEN	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
		EPIDIDYMIDES (EP) : -IMMATURE SPERM FORMS,-MINIMAL
		CAUSE OF DEATH (CD) : -NEPHROPATHY,-PRESENT
	LN, AXILLARY (AX) : -DIFFUSELY RED; BILATERAL: DARK RED (CAP 23)	LN, AXILLARY (AX) : -HEMORRHAGE,-PRESENT -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE
	LN, RENAL (RL) : -DIFFUSELY RED; BILATERAL: DARK RED (CAP 22)	LN, RENAL (RL) : -HEMORRHAGE,-PRESENT
		MAMMARY, MALE (MM) : -GALACTOCELE,-PRESENT
	FOOT/FOOTPAD (FP) : -CRUSTED AREA(S); RIGHT HINDFOOT: SINGLE DARK RED AND DRY AREA, 5 MM IN DIAMETER; COLLECTED	FOOT/FOOTPAD (FP) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE -ACANTHOSIS / HYPERKERATOSIS,-MODERATE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92813 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/13/00 STUDY DAY OF DEATH: 694 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: 463.5 GRAMS
DATE AND TIME OF NECROPSY: 03/13/00 13:45 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, INGUINAL (IN), LN, OTHER (LN), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), SEMINAL VESICLES (SV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92814 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 590.5 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 10:50 PROSECTOR: JAMES T. CALLEN RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MODERATE -VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR,-MODERATELY SEVERE -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT -DEGENERATION, CYSTIC,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-MODERATE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92814 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 590.5 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 10:50 PROSECTOR: JAMES T. CALLEN RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-BONE MARROW SMEAR TAKEN
-MALOCCLUSION; BILATERAL LOWER
INCISORS

HISTOPATHOLOGY

THYROID (TY) :
-HYPERPLASIA, C-CELL,-SLIGHT
PROSTATE (PR) :
-INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92814 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 590.5 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 10:50 PROSECTOR: JAMES T. CALLEN RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92815 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 722.6 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 11:09 PROSECTOR: CHANESTA ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: NOT OBSERVED >APPEARANCE; MISSING; TEETH; VERIFIED AT NECROPSY: OBSERVED		EYE (EY) : -DYSTROPHY, CORNEAL IN EARLY STAGES, CONSISTS PRIMARILY OF FOCAL MINERALIZATION,-MINIMAL LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT -NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MODERATE -DEGENERATION, CYSTIC,-SLIGHT -HYPERPLASIA, BILE DUCT,-MINIMAL -FIBROSIS, PERIBILIARY,-MINIMAL -B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92815 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 722.6 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 11:09 PROSECTOR: CHANESTA ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PANCREAS (PA) : -ATROPHY, ACINAR,-SLIGHT -M-CARCINOMA, ISLET CELL,-NEOPLASM PRESENT
	ADRENAL, CORTEX (AC) : -MASS(ES); LEFT, INVOLVING ENTIRE GLAND: 10 X 8 X 4 MM, RED, DARK RED, TAN, AND SOFT; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (SEE RENAL)	ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-SLIGHT -PIGMENT,-SLIGHT
		ADRENAL, MEDULLA (MA) : -M-MALIGNANT PHEOCHROMOCYTOMA,-NEOPLASM PRESENT
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL
		LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL
		HEART (HT) : -CARDIOMYOPATHY,-SLIGHT
		THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PARATHYROID (PT) : -LARGE; LEFT: 3 MM IN DIAMETER (RIGHT IS 1 MM IN DIAMETER)	PARATHYROID (PT) : >UNREMARKABLE
		PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92815 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 722.6 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 11:09 PROSECTOR: CHANESTA ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); LEFT ASPECT: DARK RED AREA, 3 MM IN DIAMETER	
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, RENAL (RL) : -DIFFUSELY RED; BILATERAL: DARK RED (CAP 22)	LN, RENAL (RL) : -HEMORRHAGE,-PRESENT -DILATATION, SINUSOIDAL,-MODERATELY SEVERE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -TEETH MISSING/BROKEN/WORN; BILATERAL UPPER INCISORS: BROKEN OFF AT BASE	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92815 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 722.6 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 11:09 PROSECTOR: CHANESTA ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
BRAIN (BR), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92816 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 07/09/99 STUDY DAY OF DEATH: 446 STUDY WEEK OF DEATH: 64 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 07/09/99 15:29 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT -VACUOLATION, HEPATOCELLULAR,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-MINIMAL THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-MINIMAL -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL THYROID (TY) : >AUTOLYTIC STOMACH, GL (ST) : >AUTOLYTIC

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92816 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 07/09/99 STUDY DAY OF DEATH: 446 STUDY WEEK OF DEATH: 64 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 07/09/99 15:29 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		JEJUNUM (JE) : >AUTOLYTIC ILEUM (IL) : >AUTOLYTIC CECUM (CE) : >AUTOLYTIC COLON (CO) : >AUTOLYTIC URINARY BLADDER (UB) : >AUTOLYTIC PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL CAUSE OF DEATH (CD) : -NEOPLASM, THORACIC CAVITY,-PRESENT >NOTE:>DIAGNOSIS LISTED UNDER AORTA
	LN, MEDIASTINAL (ML) : -LARGE; UP TO 3 X 2 X 1 MM (CAP 21) -DIFFUSELY RED; DARK RED	LN, MEDIASTINAL (ML) : -HEMORRHAGE,-PRESENT
	AORTA (AO) : -MASS(ES); INVOLVING ENTIRE THORACIC AORTA: SINGLE MASS, 35 X 30 X 15 MM, RED, DARK RED, TAN, LOBULATED AND SOFT; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (SEE MEDIASTINAL)	AORTA (AO) : -M-LIPOSARCOMA,-NEOPLASM PRESENT
	GENERAL COMMENT (GC) : -FLUID-THORACIC CAVITY; CONTAINS A LARGE AMOUNT OF DARK RED FLUID	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92816 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 07/09/99 STUDY DAY OF DEATH: 446 STUDY WEEK OF DEATH: 64 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 07/09/99 15:29 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), RECTUM (RE), SKIN (SK), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92817 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 958.5 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 9:22 PROSECTOR: JOHN S. HALFORD RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0360	.0038 %	.0151	WEIGHT TAKEN
RT ADRENAL (AD1)	.0306	.0032 %	.0128	WEIGHT TAKEN
BRAIN (BR)	2.3859	.2489 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	2.7116	.2829 %	1.1365	WEIGHT TAKEN
RT KIDNEY (KD1)	2.7885	.2909 %	1.1687	WEIGHT TAKEN
LIVER (LI)	31.0099	3.2353 %	12.9971	WEIGHT TAKEN
LUNG (LU)	2.1009	.2192 %	.8805	WEIGHT TAKEN
SPLEEN (SP)	1.1429	.1192 %	.4790	WEIGHT TAKEN
LF TESTIS (TE0)	1.9473	.2032 %	.8162	WEIGHT TAKEN
RT TESTIS (TE1)	1.8553	.1936 %	.7776	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0216	.0023 %	.0091	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0280	.0029 %	.0117	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MODERATELY SEVERE
-NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR,-MODERATE
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92817 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 958.5 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 9:22 PROSECTOR: JOHN S. HALFORD RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT PANCREAS (PA) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL THYMUS (TH) : -HEMORRHAGE,-PRESENT LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL
	PITUITARY (PI) : -CYST(S); MID POSTERIOR ASPECT: SINGLE CLEAR FLUID FILLED CYST, 2 MM IN DIAMETER	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT -HYPERPLASIA,-MINIMAL
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN -ANIMAL OBESE	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92817 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 958.5 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 9:22 PROSECTOR: JOHN S. HALFORD RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92818 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 720.9 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 9:38 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; SWOLLEN; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: NOT OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT -GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-SLIGHT -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MODERATE -DEGENERATION, CYSTIC,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,- SLIGHT SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT ADRENAL, CORTEX (AC) : -PIGMENT,-SLIGHT THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),- MODERATELY SEVERE LUNG (LU) : -MINERALIZATION, VASCULAR,-SLIGHT HEART (HT) : -CARDIOMYOPATHY,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92818 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 720.9 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 9:38 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYROID (TY) : -B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); LEFT ASPECT: SINGLE DARK RED AREA, 3 X 2 MM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT -HYPERPLASIA,-SLIGHT
	STOMACH, GL (ST) : -THICKENED WALL; MUCOSA: DIFFUSE	STOMACH, GL (ST) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT -FIBROSIS,-SLIGHT
		URINARY BLADDER (UB) : -PROTEINACEOUS MATERIAL, LUMINAL,-PRESENT
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92818 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 720.9 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 9:38 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

PAGE: 960

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92819 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/15/00 STUDY DAY OF DEATH: 727 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/15/00 8:44 PROSECTOR: JARED FISHEL RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); DORSAL-CERVICAL-LEFT; WEEK 25; 60 X 50MM; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; SORE/SCAB; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; SORE/SCAB; DORSAL-CERVICAL-LEFT; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -MOTTLED; ALL LOBES: RED AND TAN	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-SLIGHT -DEGENERATION, CYSTIC,-SLIGHT -DEGENERATION / NECROSIS, CENTRILOBULAR,-SEVERE -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE -N-CARCINOMA,-FROM ADRENAL, CORTEX KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE -THROMBUS, GLOMERULAR,-SEVERE -DEGENERATION TUBULAR,-MODERATELY SEVERE SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-MODERATELY SEVERE -NECROSIS,-MODERATE
	ADRENAL, CORTEX (AC) : -LARGE; RIGHT: 22 MM IN DIAMETER (LEFT IS 5 X 3 X 2 MM)	ADRENAL, CORTEX (AC) : -DEGENERATION / NECROSIS, UNILATERAL,-SEVERE -M-CARCINOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92819 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/15/00 STUDY DAY OF DEATH: 727 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/15/00 8:44 PROSECTOR: JARED FISHEL RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	TESTIS (TE) : -SMALL; BILATERAL: EACH IS 17 X 12 X 8 MM; BOTH ARE SOFT	TESTIS (TE) : >UNREMARKABLE
		MARROW, STERNUM (SE) : -N-CARCINOMA,-FROM ADRENAL, CORTEX
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SEVERE
	LUNG (LU) : -LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN AREAS, UP TO 5 X 2 MM	LUNG (LU) : -MINERALIZATION, VASCULAR,-SLIGHT -N-CARCINOMA,-FROM ADRENAL, CORTEX
		HEART (HT) : -CARDIOMYOPATHY,-SLIGHT
		PARATHYROID (PT) : -HYPERPLASIA,-MODERATE
	PITUITARY (PI) : -LARGE; 7 X 4 X 3 MM; APPEARS SWOLLEN	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		JEJUNUM (JE) : >AUTOLYTIC
		ILEUM (IL) : >AUTOLYTIC
		CECUM (CE) : >AUTOLYTIC
		SKIN (SK) : -B-FIBROMA,-NEOPLASM PRESENT
		URINARY BLADDER (UB) : -HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92819 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/15/00 STUDY DAY OF DEATH: 727 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/15/00 8:44 PROSECTOR: JARED FISHEL RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SEVERE
	SEMINAL VESICLES (SV) : -SMALL; BILATERAL: EACH IS 15 X 7 X 2 MM	SEMINAL VESICLES (SV) : -ATROPHY,-SEVERE
		EPIDIDYMIDES (EP) : -IMMATURE SPERM FORMS,-SLIGHT
		CAUSE OF DEATH (CD) : -NEOPLASM, ADRENAL,-PRESENT
	LN, AXILLARY (AX) : -DIFFUSELY RED; RIGHT: DARK RED (CAP 22) (LEFT NOT IDENTIFIED)	LN, AXILLARY (AX) : -HEMORRHAGE,-PRESENT
	MAMMARY, MALE (MM) : -MASS(ES); LEFT DORSAL THORACIC REGION: SINGLE MASS, 70 X 40 X 40 MM, TAN, FIRM AND LOBULATED; SAME ON CUT SURFACE; PORTION COLLECTED; REGIONAL LN (SEE AXILLARY); OVERLYING SKIN HAS A SINGLE DARK RED AND MOIST ABRADED AREA, 12 MM IN DIAMETER; COLLECTED WITH MASS	MAMMARY, MALE (MM) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL >NOTE:>SEE SKIN FOR DIAGNOSIS OF MASS
	FOOT/FOOTPAD (FP) : -CRUSTED AREA(S); LEFT HINDFOOT: SINGLE DARK RED AND DRY CRUSTED AREA, 15 MM IN DIAMETER; COLLECTED	FOOT/FOOTPAD (FP) : -INFLAMMATION, CHRONIC-ACTIVE,-SEVERE -ULCERATION,-SEVERE -ACANTHOSIS / HYPERKERATOSIS,-MODERATE -FIBROSIS,-MODERATE -BACTERIA,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92819 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/15/00 STUDY DAY OF DEATH: 727 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/15/00 8:44 PROSECTOR: JARED FISHEL RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; MOIST BROWN MATERIAL	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), COLON (CO), RECTUM (RE), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92820 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 503.2 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 10:17 PROSECTOR: KEVIN BILLINGS RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0240	.0048 %	.0105	WEIGHT TAKEN
RT ADRENAL (AD1)	.0229	.0046 %	.0100	WEIGHT TAKEN
BRAIN (BR)	2.2863	.4544 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	2.2802	.4531 %	.9973	WEIGHT TAKEN
RT KIDNEY (KD1)	2.2533	.4478 %	.9856	WEIGHT TAKEN
LIVER (LI)	17.6865	3.5148 %	7.7359	WEIGHT TAKEN
LUNG (LU)	1.8264	.3630 %	.7988	WEIGHT TAKEN
SPLEEN (SP)	.6612	.1314 %	.2892	WEIGHT TAKEN
LF TESTIS (TE0)	1.7905	.3558 %	.7831	WEIGHT TAKEN
RT TESTIS (TE1)	1.7871	.3551 %	.7817	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0120	.0024 %	.0052	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0131	.0026 %	.0057	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MALOCCLUSION; VERIFIED AT
NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-HYPERTROPHY, HEPATOCELLULAR,
CENTRILOBULAR POLYKARYOCYTOSIS
OCCASIONALLY NOTED,-MODERATELY SEVERE
-VACUOLATION, HEPATOCELLULAR,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-
MINIMAL
-MINERALIZATION, TUBULAR,-MINIMAL
MARROW, FEMUR (FM) :
-HYPOCELLULAR, MARROW,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92820 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 503.2 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 10:17 PROSECTOR: KEVIN BILLINGS RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT HEART (HT) : -CARDIOMYOPATHY,-SLIGHT STOMACH, GL (ST) : -EROSION,-SLIGHT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN -MALOCCLUSION; BILATERAL: UPPER AND LOWER INCISORS	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92820 SEX: MALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 503.2 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 10:17 PROSECTOR: KEVIN BILLINGS RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92821 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 782.7 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 8:11 PROSECTOR: TROY ELLENBECKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; MISSING; TEETH; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; SWOLLEN; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

LIVER (LI) :
-RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE RED AREAS, UP TO 3 X 2 MM; COLLECTED ON ROUTINE SECTIONS

PITUITARY (PI) :
-RED FOCUS(I)/AREA(S); RIGHT ASPECT: SINGLE DARK RED AREA, 3 X 2 MM

FOOT/FOOTPAD (FP) :
-CRUSTED AREA(S); LEFT HINDFOOT: SINGLE DRY BROWN CRUSTED AREA, 3 MM IN DIAMETER; JOINT APPEARS SWOLLEN; COLLECTED

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL
-DEGENERATION, CYSTIC,-SLIGHT
-NECROSIS, COAGULATIVE,-MINIMAL
-HYPERPLASIA, BILE DUCT,-MINIMAL

KIDNEY (KD) :
-MINERALIZATION, PELVIC,-SLIGHT

LUNG (LU) :
-MINERALIZATION, VASCULAR,-MINIMAL

PITUITARY (PI) :
-B-ADENOMA,-NEOPLASM PRESENT

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

FOOT/FOOTPAD (FP) :
-INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
-FIBROSIS,-SEVERE
-HYPERPLASIA, BONE,-MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92821 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 782.7 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 8:11 PROSECTOR: TROY ELLENBECKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN -MALOCCLUSION; BILATERAL UPPER INCISORS -TEETH MISSING/BROKEN/WORN; BILATERAL UPPER INCISORS: BROKEN OFF AT BASE -DISCHARGE-OCULAR; LEFT: DRY RED MATERIAL	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), THYROID (TY), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92822 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/06/99 STUDY DAY OF DEATH: 566 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 485.0 GRAMS
DATE AND TIME OF NECROPSY: 11/06/99 13:38 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
-DEGENERATION, CYSTIC,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-HYPERPLASIA, TRANSITIONAL CELL,-MINIMAL
-INFLAMMATION, SUPPURATIVE, PELVIC,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
ADRENAL, CORTEX (AC) :
-VACUOLATION, FOCAL,-MINIMAL
-PIGMENT,-MINIMAL
TESTIS (TE) :
-ATROPHY/DEGENERATION,-SEVERE
>NOTE:>UNILATERAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92822 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/06/99 STUDY DAY OF DEATH: 566 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 485.0 GRAMS
DATE AND TIME OF NECROPSY: 11/06/99 13:38 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SEVERE LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL THYROID (TY) : -B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 12 X 11 X 10 MM, RED, DARK RED, GREY, TAN, LOBULATED, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-SLIGHT
	PROSTATE (PR) : -NODULAR; DIFFUSE: GREEN AND FIRM -LARGE; 35 X 21 X 14 MM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
	SEMINAL VESICLES (SV) : -LARGE; BILATERAL: EACH IS 31 X 21 X 9 MM -GELATINOUS; BILATERAL: CLEAR AND SOFT	SEMINAL VESICLES (SV) : -SECRETION, INCREASED,-PRESENT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92822 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/06/99 STUDY DAY OF DEATH: 566 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 485.0 GRAMS
DATE AND TIME OF NECROPSY: 11/06/99 13:38 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92823 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 791.7 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 9:00 PROSECTOR: TROY ELLENBECKER RECORDER: TROY ELLENBECKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; MISSING; TEETH; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT -HYPERPLASIA, BILE DUCT,-MINIMAL -FIBROSIS, PERIBILIARY,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-SLIGHT -VACUOLATION, HEPATOCELLULAR,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-MINIMAL LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL
	THYROID (TY) : -LARGE; BILATERAL: EACH IS 8 X 4 X 3 MM PITUITARY (PI) : -MASS(ES); 11 X 6 X 4 MM, RED, TAN AND SOFT	THYROID (TY) : -B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92823 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 791.7 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 9:00 PROSECTOR: TROY ELLENBECKER RECORDER: TROY ELLENBECKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, GL (ST) : -THICKENED WALL; MUCOSA: DIFFUSE	STOMACH, GL (ST) : -HYPERPLASIA, EPITHELIAL, GLANDULAR,-SLIGHT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -MALOCCLUSION; BILATERAL, UPPER INCISORS -TEETH MISSING/BROKEN/WORN; BILATERAL, UPPER INCISORS: BROKEN OFF AT BASE	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92823 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 791.7 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 9:00 PROSECTOR: TROY ELLENBECKER RECORDER: TROY ELLENBECKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92824 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 02/11/00 STUDY DAY OF DEATH: 663 STUDY WEEK OF DEATH: 95 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 02/11/00 7:33 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 66; 50 X 70MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 4 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS KIDNEY (KD) : -LARGE PELVIS(ES); BILATERAL -GRANULAR MATERIAL; BILATERAL: MULTIPLE TAN AND HARD GRANULES, UP TO 1 MM IN DIAMETER -DIFFUSELY LIGHT; BILATERAL: TAN -SEMIFLUID MATERIAL-PELVIS; LEFT: LIGHT GREEN SPLEEN (SP) : -DIFFUSELY LIGHT; TAN	BRAIN (BR) : >UNREMARKABLE LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -DEGENERATION, CYSTIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-SLIGHT -HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SEVERE -DILATATION, PELVIC,-MODERATE -REGENERATION, TUBULAR EPITHELIUM,-MODERATE -INFLAMMATION, CHRONIC-ACTIVE, PELVIC,-SEVERE -ULCERATION, TRANSITIONAL EPITHELIUM, PELVIC,-SEVERE SPLEEN (SP) : >UNREMARKABLE ADRENAL, CORTEX (AC) : -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL TESTIS (TE) : -ATROPHY/DEGENERATION,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92824 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 02/11/00 STUDY DAY OF DEATH: 663 STUDY WEEK OF DEATH: 95 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 02/11/00 7:33 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,- MODERATELY SEVERE THYMUS (TH) : >SECTION EXAMINED; TISSUE NOT PRESENT
	HEART (HT) : -LIGHT FOCUS(I)/AREA(S); EPICARDIUM OF BOTH VENTRICLES: MULTIPLE TAN AREAS, UP TO 10 X 5 MM PITUITARY (PI) : -MASS(ES); 7 X 6 X 4 MM, DARK RED, TAN AND SOFT STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE BLACK AREAS, UP TO 1 MM IN DIAMETER CECUM (CE) : -RED FOCUS(I)/AREA(S); MUCOSA, DIFFUSE: MULTIPLE RED AREAS, UP TO 5 X 4 MM	HEART (HT) : -CARDIOMYOPATHY,-MODERATE -MINERALIZATION, VASCULAR,-MODERATE -MINERALIZATION,-MINIMAL PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT STOMACH, GL (ST) : -MINERALIZATION, GLANDULAR MUCOSA,- MINIMAL CECUM (CE) : >AUTOLYTIC COLON (CO) : >AUTOLYTIC URINARY BLADDER (UB) : -HYPERPLASIA, TRANSITIONAL CELL,- MODERATE -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92824 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 02/11/00 STUDY DAY OF DEATH: 663 STUDY WEEK OF DEATH: 95 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 02/11/00 7:33 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		SEMINAL VESICLES (SV) : -ATROPHY,-MODERATELY SEVERE EPIDIDYMIDES (EP) : -IMMATURE SPERM FORMS,-SLIGHT CAUSE OF DEATH (CD) : -INFECTION / NECROSIS / CALCULUS, URINARY TRACT,-PRESENT
	LN, AXILLARY (AX) : -DIFFUSELY RED; BILATERAL (CAP 24)	LN, AXILLARY (AX) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL -CONGESTION,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL (CAP 22)	LN, MANDIBULAR (MN) : -LYMPHANGIECTASIS,-PRESENT -CONGESTION,-PRESENT
	MAMMARY, MALE (MM) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 60 X 55 X 35 MM, RED, DARK RED, TAN, LOBULATED AND FIRM; SAME ON CUT SURFACE; PORTION COLLECTED; REGIONAL LN (SEE AXILLARY)	MAMMARY, MALE (MM) : -M-CARCINOMA,-NEOPLASM PRESENT
	LN, LUMBAR/ILIAC (LM) : -MOTTLED; BILATERAL: DARK BROWN AND TAN (CAP 25)	LN, LUMBAR/ILIAC (LM) : -LYMPHANGIECTASIS,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92824 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 02/11/00 STUDY DAY OF DEATH: 663 STUDY WEEK OF DEATH: 95 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 02/11/00 7:33 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), COAGULATING GL (CG), TAIL (TI), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), RECTUM (RE), SKIN (SK), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92825 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 02/01/00 STUDY DAY OF DEATH: 653 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 02/01/00 7:57 PROSECTOR: STEVE VAN ADESTINE RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -MOTTLED; ALL LOBES: RED AND TAN KIDNEY (KD) : -LARGE PELVIS(ES); BILATERAL	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -DEGENERATION, CYSTIC,-MINIMAL -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT -DILATATION, PELVIC,-SLIGHT SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-SLIGHT -INFILTRATION, FAT, INTERSTITIAL,-SLIGHT ADRENAL, CORTEX (AC) : -VACUOLATION, FOCAL,-MINIMAL -ANGIECTASIS,-SLIGHT TESTIS (TE) : -INFLAMMATION, VASCULAR,-MINIMAL THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92825 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 02/01/00 STUDY DAY OF DEATH: 653 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 02/01/00 7:57 PROSECTOR: STEVE VAN ADESTINE RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LUNG (LU) : -N-SARCOMA,-NEOPLASM PRESENT HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
	THYROID (TY) : -MASS(ES); LEFT, INVOLVING ENTIRE GLAND: SINGLE MASS, 15 X 13 X 13 MM, RED, DARK RED, GRAY, LOBULATED, AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (SEE MANDIBULAR)	THYROID (TY) : -M-CARCINOMA, C-CELL,-NEOPLASM PRESENT
		PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-MINIMAL CECUM (CE) : >AUTOLYTIC PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT CAUSE OF DEATH (CD) : -NEOPLASM, THORACIC CAVITY,-PRESENT
	LN, MEDIASTINAL (ML) : -LARGE; UP TO 4 X 3 X 2 MM -DIFFUSELY RED; DARK RED (CAP 22) LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL (CAP 23)	LN, MEDIASTINAL (ML) : -HEMORRHAGE,-PRESENT LN, MANDIBULAR (MN) : -CONGESTION,-PRESENT PERICARDIAL SAC (PD) : -M-SARCOMA, UNDIFFERENTIATED,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92825 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 02/01/00 STUDY DAY OF DEATH: 653 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 02/01/00 7:57 PROSECTOR: STEVE VAN ADESTINE RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PERICARDIAL SAC (PD) : -MASS(ES); INVOLVING ENTIRE ORGAN: SINGLE MASS, 53 X 45 X 38 MM, RED, DARK RED, TAN, GRAY, AND SOFT; ON SECTION EXUDES A DARK RED FLUID; COLLECTED INTACT; REGIONAL LN (SEE MEDIASTINAL) GENERAL COMMENT (GC) : -FLUID-THORACIC CAVITY; DARK RED, GELATINOUS SEMIFLUID	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92825 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 02/01/00 STUDY DAY OF DEATH: 653 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 02/01/00 7:57 PROSECTOR: STEVE VAN ADESTINE RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92826 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 05/09/99 STUDY DAY OF DEATH: 385 STUDY WEEK OF DEATH: 55 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 05/09/99 9:01 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 45; VERIFIED AT NECROPSY: OBSERVED >DISCHARGE; CLEAR ORAL; VERIFIED AT NECROPSY: OBSERVED >RESPIRATION; AUDIBLE; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MODERATE -VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE PANCREAS (PA) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
	THYMUS (TH) : -RED FOCUS(I)/AREA(S); DIFFUSE: MULTIPLE, DARK RED, PINPOINT FOCI	THYMUS (TH) : -HEMORRHAGE,-PRESENT -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92826 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 05/09/99 STUDY DAY OF DEATH: 385 STUDY WEEK OF DEATH: 55 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 05/09/99 9:01 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 10 X 8 X 8 MM, RED, DARK RED, GRAY, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: SINGLE BROWN AREA, 4 X 2 MM	STOMACH, GL (ST) : >UNREMARKABLE
		RECTUM (RE) : -PARASITISM,-PRESENT
		SKIN (SK) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL
	SEMINAL VESICLES (SV) : -GELATINOUS; BILATERAL: CLEAR	SEMINAL VESICLES (SV) : >UNREMARKABLE
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	MAMMARY, MALE (MM) : -CYST(S); LEFT INGUINAL REGION: SINGLE GREENISH-TAN, CREAMY SEMIFLUID FILLED CYST, 8 MM IN DIAMETER (CAP 21); POSSIBLY CONSISTENT WITH MASS NOTED IN CLINICAL OBSERVATIONS	MAMMARY, MALE (MM) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL >NOTE:>SEE SKIN FOR DIAGNOSIS
	GENERAL COMMENT (GC) : -DISCHARGE-ORAL; CLEAR AND MOIST	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92826 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 05/09/99 STUDY DAY OF DEATH: 385 STUDY WEEK OF DEATH: 55 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 05/09/99 9:01 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92827 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 745.5 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 9:35 PROSECTOR: JOHN S. HALFORD RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); DORSAL; WEEK 92; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	>UNREMARKABLE
>SKIN & PELAGE; SORE/SCAB; DORSAL; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) :	LIVER (LI) :
	-RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE RED AREAS, UP TO 2 X 1 MM; COLLECTED ON ROUTINE SECTIONS	-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL
		-DEGENERATION, CYSTIC,-MINIMAL
		-HYPERPLASIA, BILE DUCT,-MINIMAL
		-FIBROSIS, PERIBILIARY,-MINIMAL
		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
		PANCREAS (PA) :
		-B-ADENOMA, ISLET CELL,- 2 NEOPLASMS PRESENT
		-INFILTRATION, FAT, INTERSTITIAL,-SLIGHT
	THYMUS (TH) :	THYMUS (TH) :
	-MISSING/NOT IDENTIFIED; NOT POSITIVELY IDENTIFIED; POSSIBLE REMNANTS COLLECTED	>NOT REQUIRED TO BE EXAMINED FOR ANIMAL
		LUNG (LU) :
		-INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL
		THYROID (TY) :
		-HYPERPLASIA, C-CELL,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92827 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 745.5 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 9:35 PROSECTOR: JOHN S. HALFORD RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 8 X 6 X 4 MM, RED, DARK RED, GRAY, TAN, CYSTIC, LOBULATED AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	SKIN (SK) : -MASS(ES); MID DORSAL THORACIC REGION: SINGLE MASS, 15 X 11 X 4 MM, RED, TAN AND FIRM; SAME ON CUT SURFACE (CAP 23); REGIONAL LN (AXILLARY) NORMAL (CAP 24); OVERLYING SKIN HAS A SINGLE DRY, TAN CRUSTED AREA, 14 X 10 MM; COLLECTED WITH MASS	SKIN (SK) : -B-KERATOACANTHOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	PREPUTIAL GLAND (PG) : -LARGE; LEFT: 9 X 4 X 4 MM (RIGHT IS 4 X 3 X 3 MM); LEFT EXUDES A GREEN CASEOUS MATERIAL; RIGHT EXUDES A TAN CASEOUS MATERIAL (CAP 22)	PREPUTIAL GLAND (PG) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE -ECTASIA, DUCTAL,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92827 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 745.5 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 9:35 PROSECTOR: JOHN S. HALFORD RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), PARATHYROID (PT), URINARY BLADDER (UB), LN, AXILLARY (AX)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92828 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/18/99 STUDY DAY OF DEATH: 578 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/18/99 12:47 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; SWOLLEN; TESTIS-LEFT; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR,-SLIGHT -DEGENERATION, CYSTIC,-MINIMAL -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL -DEGENERATION / NECROSIS, CENTRILOBULAR,-MODERATE SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATELY SEVERE PANCREAS (PA) : -INFILTRATE, LYMPHOHISTIOCYTIC,-SLIGHT ADRENAL, CORTEX (AC) : -VACUOLATION, FOCAL,-MODERATE -HEMATOPOIESIS, EXTRAMEDULLARY,-MODERATE -HYPERTROPHY, CORTICAL CELL,-MODERATELY SEVERE
	TESTIS (TE) : -MASS(ES); LEFT: SINGLE MASS, 120 X 35 X 35 MM, RED, DARK RED, TAN, GRAY AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (SEE LUMBAR)	TESTIS (TE) : -M-HEMANGIOSARCOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92828 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/18/99 STUDY DAY OF DEATH: 578 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/18/99 12:47 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, FEMUR (FM) : -HYPERPLASIA, ERYTHROID, MARROW,-MODERATE MARROW, STERNUM (SE) : -HYPERPLASIA, ERYTHROID, MARROW,-MODERATE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE LUNG (LU) : -LEUKOCYTES, INCREASED, INTRAVASCULAR,-PRESENT HEART (HT) : -CARDIOMYOPATHY,-MINIMAL PARATHYROID (PT) : >SECTION EXAMINED; TISSUE NOT PRESENT
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); LEFT ASPECT: SINGLE DARK RED AREA, 3 X 2 MM	PITUITARY (PI) : -HYPERPLASIA,-MODERATE
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN FOCI, PINPOINT AND UP TO 2 MM IN DIAMETER	STOMACH, GL (ST) : >UNREMARKABLE
		JEJUNUM (JE) : >AUTOLYTIC ILEUM (IL) : >AUTOLYTIC

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92828 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/18/99 STUDY DAY OF DEATH: 578 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/18/99 12:47 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CECUM (CE) : >AUTOLYTIC
	EPIDIDYMIDES (EP) : >NOTE:>LEFT NOT IDENTIFIED DUE TO MASS ON LEFT TESTIS	EPIDIDYMIDES (EP) : -UNILATERALLY EXAMINED,-PRESENT
		CAUSE OF DEATH (CD) : -HEMANGIOSARCOMA,-PRESENT
	LN, LUMBAR/ILIAC (LM) : -DIFFUSELY RED; BILATERAL: DARK RED (CAP 22)	LN, LUMBAR/ILIAC (LM) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT -HEMORRHAGE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92828 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/18/99 STUDY DAY OF DEATH: 578 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/18/99 12:47 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92829 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 694.8 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 10:52 PROSECTOR: LAURIE J. SCHULLER RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; SWOLLEN; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; SORE/SCAB; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -DEGENERATION, CYSTIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-SLIGHT
	KIDNEY (KD) : -CYST(S); RIGHT CORTICAL SURFACE: SINGLE CLEAR FLUID FILLED CYST, 3 MM IN DIAMETER	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT -CYST,-PRESENT
	PANCREAS (PA) : -MASS(ES); NEAR DUODENUM: SINGLE MASS, 22 X 15 X 10 MM, RED, DARK RED, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (ANTERIOR MESENTERIC) NORMAL (CAP 26)	PANCREAS (PA) : -M-CARCINOMA, ISLET CELL,-NEOPLASM PRESENT
	TESTIS (TE) : -SMALL; BILATERAL: EACH IS 20 X 15 X 4 MM; BOTH ARE SOFT	TESTIS (TE) : >UNREMARKABLE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92829 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 694.8 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 10:52 PROSECTOR: LAURIE J. SCHULLER RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL -B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 11 X 8 X 6 MM, DARK RED, GRAY AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN AREAS, UP TO 3 X 1 MM	STOMACH, GL (ST) : >UNREMARKABLE
	CECUM (CE) : -THICKENED WALL; DIFFUSE	CECUM (CE) : >UNREMARKABLE
	PROSTATE (PR) : -NODULAR; PROXIMAL SURROUNDING URETHRA: GREEN AND FIRM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
	SEMINAL VESICLES (SV) : -SMALL; BILATERAL: EACH IS 15 X 10 X 2 MM -GELATINOUS; BILATERAL: CLEAR	SEMINAL VESICLES (SV) : -SECRETION, DECREASED,-PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT TAIL (TI) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE -ACANTHOSIS / HYPERKERATOSIS,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92829 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 694.8 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 10:52 PROSECTOR: LAURIE J. SCHULLER RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	TAIL (TI) : -CRUSTED AREA(S); ALONG ENTIRE LENGTH: MULTIPLE BROWN, DRY AREAS, UP TO 2 X 1 MM; COLLECTED	TAIL (TI) : -SUPERFICIAL CRUSTING,-MODERATE
	PREPUTIAL GLAND (PG) : -LARGE; BILATERAL: EACH IS 12 X 6 X 4 MM; BOTH CONTAIN A LIGHT GREEN SEMISOLID MATERIAL (CAP 25); OVERLYING SKIN HAS A DARK RED, CRUSTED AREA, 10 X 6 MM; COLLECTED INTACT WITH PREPUTIAL GLAND	PREPUTIAL GLAND (PG) : -INFLAMMATION, CHRONIC-ACTIVE,-SEVERE
	JOINT, OTHER (JT) : -LARGE; RIGHT TARSAL JOINT: 15 MM IN DIAMETER (LEFT IS 9 MM IN DIAMETER); COLLECTED	JOINT, OTHER (JT) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
	LN, POPLITEAL (PP) : -LARGE; BILATERAL: EACH IS UP TO 10 X 8 X 3 MM (CAP 24)	LN, POPLITEAL (PP) : -HYPERPLASIA, PLASMACYTIC,-SLIGHT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -GI TRACT-DARK FLUID CONTENT; DISTAL JEJUNUM AND ILEUM: CONTAIN A DARK GREEN SEMIFLUID	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92829 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 694.8 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 10:52 PROSECTOR: LAURIE J. SCHULLER RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PARATHYROID (PT), URINARY BLADDER (UB), LN, ANT MES/PANC (AP)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92830 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/09/00 STUDY DAY OF DEATH: 690 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: 335.5 GRAMS
DATE AND TIME OF NECROPSY: 03/09/00 11:50 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); EAR-RIGHT; WEEK 47; 30 X 20MM; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; SORE/SCAB; EAR-RIGHT; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>RESPIRATION; IRREGULAR; VERIFIED AT NECROPSY: NOT APPLICABLE
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; OTHER; COLD TO TOUCH; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

LIVER (LI) :
-MASS(ES); ALL LOBES, DIFFUSE: MULTIPLE MASSES, UP TO 12 X 12 X 10 MM, TAN, RED, AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (HEPATIC) NOT IDENTIFIED
-ADHESION(S); LEFT LATERAL, LEFT MEDIAN, AND RIGHT MEDIAN LOBES TO EACH OTHER: MULTIPLE GREY FIBROUS ADHESIONS; COLLECTED INTACT

HISTOPATHOLOGY

EYE (EY) :
-DYSTROPHY, CORNEAL IN EARLY STAGES, CONSISTS PRIMARILY OF FOCAL MINERALIZATION,-MINIMAL
LIVER (LI) :
-DEGENERATION, CYSTIC,-MINIMAL
-HYPERPLASIA, BILE DUCT,-MINIMAL
-INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT
-N-SARCOMA,-NEOPLASM PRESENT
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
PANCREAS (PA) :
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
-ATROPHY, ACINAR,-MINIMAL
ADRENAL, CORTEX (AC) :
-HYPERPLASIA, CORTICAL,-MINIMAL
-PIGMENT,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92830 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/09/00 STUDY DAY OF DEATH: 690 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: 335.5 GRAMS
DATE AND TIME OF NECROPSY: 03/09/00 11:50 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		BONE, FEMUR (FE) : -N-SARCOMA,-NEOPLASM PRESENT MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,-MODERATE -HYPERPLASIA, ERYTHROID, MARROW,-MODERATE MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-MODERATE -HYPERPLASIA, ERYTHROID, MARROW,-MODERATE BONE, STERNUM (SB) : -N-SARCOMA,-NEOPLASM PRESENT
	THYMUS (TH) : -MISSING/NOT IDENTIFIED; NOT POSITIVELY IDENTIFIED, POSSIBLE REMNANTS COLLECTED	THYMUS (TH) : >SECTION EXAMINED; TISSUE NOT PRESENT
	LUNG (LU) : -MASS(ES); ATTACHED TO ALL LOBES, AND PERICARDIUM: MULTIPLE MASSES, UP TO 25 X 15 X 10 MM, RED, TAN, SOFT, AND LOBULATED; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (MEDIASTINAL) NOT IDENTIFIED	LUNG (LU) : -N-SARCOMA,-NEOPLASM PRESENT
		HEART (HT) : -CARDIOMYOPATHY,-MINIMAL -N-SARCOMA,-NEOPLASM PRESENT PITUITARY (PI) : -CYST,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92830 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/09/00 STUDY DAY OF DEATH: 690 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: 335.5 GRAMS
DATE AND TIME OF NECROPSY: 03/09/00 11:50 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -CYST(S); LEFT POSTERIOR ASPECT: SINGLE CLEAR FLUID FILLED CYST, 3 MM IN DIAMETER	
	PROSTATE (PR) : -NODULAR; PROXIMAL SURROUNDING URETHRA: GREEN AND FIRM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
		SEMINAL VESICLES (SV) : -SECRETION, DECREASED,-PRESENT
		CAUSE OF DEATH (CD) : -NEOPLASM, SKIN/MUSCLE/SUBCUTIS,-PRESENT
		LN, MANDIBULAR (MN) : -HEMORRHAGE,-PRESENT -I-SARCOMA,-NEOPLASM PRESENT
	PINNA (PN) : -MASS(ES); INVOLVING ENTIRE RIGHT PINNA: SINGLE MASS, 30 X 30 X 17 MM, BLACK, DRY, AND FIRM; CUT SURFACE BLACK, RED, TAN, AND FIRM; COLLECTED; REGIONAL LN (MANDIBULAR) NORMAL (CAP 22)	PINNA (PN) : -M-SARCOMA,-NEOPLASM PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL UPPER INCISORS -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92830 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/09/00 STUDY DAY OF DEATH: 690 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: 335.5 GRAMS
DATE AND TIME OF NECROPSY: 03/09/00 11:50 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
BRAIN (BR), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92831 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/29/99 STUDY DAY OF DEATH: 589 STUDY WEEK OF DEATH: 85 TERMINAL BODY WEIGHT: 617.5 GRAMS
DATE AND TIME OF NECROPSY: 11/29/99 15:15 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: NOT OBSERVED >APPEARANCE; LIMITED USE; LIMBS-ALL; VERIFIED AT NECROPSY: NOT APPLICABLE >BEHAVIOR; RECUMBENT; STERNAL; VERIFIED AT NECROPSY: NOT APPLICABLE >EYES; RED DISCHARGE; EYE-RIGHT; VERIFIED AT NECROPSY: OBSERVED >BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE >BEHAVIOR; COLD TO TOUCH; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) : -DIFFUSELY LIGHT; ALL LOBES: TAN	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT -NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, TUBULAR,-MINIMAL -HYPERPLASIA, TRANSITIONAL CELL,-MINIMAL -ANGIECTASIS,-SLIGHT PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-MODERATE -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
	ADRENAL, CORTEX (AC) : -DIFFUSELY RED; BILATERAL: DARK RED	ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT -HYPERTROPHY, CORTICAL CELL,-SLIGHT -PIGMENT,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92831 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/29/99 STUDY DAY OF DEATH: 589 STUDY WEEK OF DEATH: 85 TERMINAL BODY WEIGHT: 617.5 GRAMS
DATE AND TIME OF NECROPSY: 11/29/99 15:15 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, MEDULLA (MA) : -HYPERPLASIA, MEDULLARY,-MINIMAL MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,-SLIGHT MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-MODERATE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE HEART (HT) : -CARDIOMYOPATHY,-MINIMAL MUSCLE, SKELETAL (SM) : -ATROPHY,-MINIMAL PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA, PROXIMAL TO PYLORIC SPHINCTER: MULTIPLE DARK RED PINPOINT FOCI	STOMACH, GL (ST) : >UNREMARKABLE
	DUODENUM (DU) : -RED FOCUS(I)/AREA(S); SEROSAL SURFACE: MULTIPLE DARK RED AREAS, UP TO 2 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION	DUODENUM (DU) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE -ULCERATION,-MODERATE
		COLON (CO) : -PARASITISM,-PRESENT PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92831 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/29/99 STUDY DAY OF DEATH: 589 STUDY WEEK OF DEATH: 85 TERMINAL BODY WEIGHT: 617.5 GRAMS
DATE AND TIME OF NECROPSY: 11/29/99 15:15 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-TEETH MISSING/BROKEN/WORN; BILATERAL
UPPER INCISORS: BROKEN OFF AT BASE
-DISCHARGE-OCULAR; RIGHT: DARK RED,
DRY MATERIAL

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-INFLAMMATION / INFECTION,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92831 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/29/99 STUDY DAY OF DEATH: 589 STUDY WEEK OF DEATH: 85 TERMINAL BODY WEIGHT: 617.5 GRAMS
DATE AND TIME OF NECROPSY: 11/29/99 15:15 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92832 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 08/12/99 STUDY DAY OF DEATH: 480 STUDY WEEK OF DEATH: 69 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 08/12/99 10:12 PROSECTOR: DENNIS HOFFMAN RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MINIMAL THYMUS (TH) : -HEMORRHAGE,-PRESENT -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT THYROID (TY) : >AUTOLYTIC
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 5 X 6 X 9 MM, SOFT, RED, DARK RED, AND TAN	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92832 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 08/12/99 STUDY DAY OF DEATH: 480 STUDY WEEK OF DEATH: 69 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 08/12/99 10:12 PROSECTOR: DENNIS HOFFMAN RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ILEUM (IL) : >AUTOLYTIC
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: DARK RED (CAP 21)	LN, MANDIBULAR (MN) : -HEMORRHAGE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92832 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 08/12/99 STUDY DAY OF DEATH: 480 STUDY WEEK OF DEATH: 69 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 08/12/99 10:12 PROSECTOR: DENNIS HOFFMAN RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92833 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 823.8 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 10:26 PROSECTOR: JODI THIEREN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>APPEARANCE; SWOLLEN; LIMB-HIND-RIGHT;
VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; SWOLLEN; PAW-HIND-RIGHT;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL
-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT
PANCREAS (PA) :
-ATROPHY, ACINAR,-SLIGHT
-HYPERTROPHY / BASOPHILIA, ACINAR CELL,-MINIMAL
TESTIS (TE) :
-HYPERPLASIA, INTERSTITIAL CELL (LEYDIG CELL),-SLIGHT
THYROID (TY) :
-DILATATION / CYST, FOLLICULAR,-PRESENT
-B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT
URINARY BLADDER (UB) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92833 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 823.8 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 10:26 PROSECTOR: JODI THIEREN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, LUMBAR/ILIAC (LM) : -LARGE; LEFT: 13 X 8 X 8 MM (RIGHT IS 7 X 3 X 1 MM); LEFT APPEARS CYSTIC (CAP 23)	LN, LUMBAR/ILIAC (LM) : -LYMPHANGIECTASIS,-PRESENT
	JOINT, OTHER (JT) : -LARGE; RIGHT TARSAL JOINT: 14 MM IN DIAMETER (LEFT IS 10 MM IN DIAMETER); COLLECTED	JOINT, OTHER (JT) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -ANIMAL OBESE	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92833 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 823.8 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 10:26 PROSECTOR: JODI THIEREN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PARATHYROID (PT)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92834 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 662.6 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 8:10 PROSECTOR: JODI THIEREN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>WART LIKE LESION(S); SHOULDER-RIGHT; WEEK 95; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MODERATELY SEVERE -HYPERPLASIA, BILE DUCT,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-SLIGHT LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT -B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT PARATHYROID (PT) : -HYPERPLASIA,-MODERATE
	PITUITARY (PI) : -DARK FOCUS(I)/AREA(S); RIGHT ANTERIOR ASPECT: SINGLE BLACK FOCUS, 1 MM IN DIAMETER	PITUITARY (PI) : -HYPERPLASIA,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92834 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 662.6 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 8:10 PROSECTOR: JODI THIEREN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	SKIN (SK) : -CRUSTED AREA(S); RIGHT SHOULDER: SINGLE DRY, TAN, RAISED, AND CRUSTED AREA, 17 X 10 X 6 MM (CAP 23) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	SKIN (SK) : -B-KERATOACANTHOMA,-NEOPLASM PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92834 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 662.6 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 8:10 PROSECTOR: JODI THIEREN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92835 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/23/99 STUDY DAY OF DEATH: 522 STUDY WEEK OF DEATH: 75 TERMINAL BODY WEIGHT: 588.6 GRAMS
DATE AND TIME OF NECROPSY: 09/23/99 8:05 PROSECTOR: JARED FISHEL RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	-COMPRESSED (HYPOTHALAMUS)	-DILATATION, VENTRICULAR,-PRESENT
>BEHAVIOR; COLD TO TOUCH; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) :
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) :
>BEHAVIOR; RECUMBENT; DORSAL; VERIFIED AT NECROPSY: NOT APPLICABLE		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
		PANCREAS (PA) :
		-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
		HEART (HT) :
		-CARDIOMYOPATHY,-MINIMAL
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); SINGLE MASS, 10 MM IN DIAMETER, RED, DARK RED, TAN, AND FIRM	-B-ADENOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) :
		-NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) :	
	-BLOOD FILM TAKEN	
	-DISCHARGE-OCULAR; BILATERAL: DRY RED MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92835 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/23/99 STUDY DAY OF DEATH: 522 STUDY WEEK OF DEATH: 75 TERMINAL BODY WEIGHT: 588.6 GRAMS
DATE AND TIME OF NECROPSY: 09/23/99 8:05 PROSECTOR: JARED FISHEL RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92836 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/10/00 STUDY DAY OF DEATH: 631 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/10/00 11:30 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) :	LIVER (LI) :
	-DIFFUSELY LIGHT; ALL LOBES: TAN	-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE		-NECROSIS, COAGULATIVE,-MODERATE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		-HEMATOPOIESIS, EXTRAMEDULLARY,-SLIGHT
	KIDNEY (KD) :	KIDNEY (KD) :
	-MASS(ES); INVOLVING ENTIRE RIGHT KIDNEY AND RIGHT ADRENAL: SINGLE MASS, 65 X 50 X 50 MM, RED, DARK RED, AND SOFT; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (RENAL) NOT IDENTIFIED	-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT
		-M-LIPOSARCOMA,-NEOPLASM PRESENT
	SPLEEN (SP) :	SPLEEN (SP) :
	-LARGE; 50 X 17 X 15 MM	-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SEVERE
		PANCREAS (PA) :
		-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
	-MISSING/NOT IDENTIFIED; RIGHT: NOT IDENTIFIED DUE TO MASS	-UNILATERALLY EXAMINED,-PRESENT
		-HYPERTROPHY, CORTICAL CELL,-MINIMAL
		-PIGMENT,-MINIMAL
		ADRENAL, MEDULLA (MA) :
		-UNILATERALLY EXAMINED,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92836 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/10/00 STUDY DAY OF DEATH: 631 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/10/00 11:30 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, FEMUR (FM) : -HYPERPLASIA, ERYTHROID, MARROW,-MODERATELY SEVERE MARROW, STERNUM (SE) : -HYPERPLASIA, ERYTHROID, MARROW,-MODERATE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-MODERATE
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN AREAS, UP TO 2 MM IN DIAMETER	STOMACH, GL (ST) : >UNREMARKABLE
		STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-SLIGHT PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE CAUSE OF DEATH (CD) : -NEOPLASM, KIDNEY,-PRESENT
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; YELLOW AND DRY -ANIMAL OBESE	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92836 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/10/00 STUDY DAY OF DEATH: 631 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/10/00 11:30 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92837 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/12/99 STUDY DAY OF DEATH: 449 STUDY WEEK OF DEATH: 65 TERMINAL BODY WEIGHT: 461.4 GRAMS
DATE AND TIME OF NECROPSY: 07/12/99 9:49 PROSECTOR: KEVIN BILLINGS RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

KIDNEY (KD) :
-GRANULAR MATERIAL; RIGHT, WITHIN PELVIS: MULTIPLE TAN PINPOINT GRANULES

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT
-MINERALIZATION, PELVIC,-MODERATE
-HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT
SPLEEN (SP) :
-PIGMENT, INCREASED,-MINIMAL
PANCREAS (PA) :
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE
LUNG (LU) :
-INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL
HEART (HT) :
-CARDIOMYOPATHY,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92837 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/12/99 STUDY DAY OF DEATH: 449 STUDY WEEK OF DEATH: 65 TERMINAL BODY WEIGHT: 461.4 GRAMS
DATE AND TIME OF NECROPSY: 07/12/99 9:49 PROSECTOR: KEVIN BILLINGS RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

PITUITARY (PI) :
-MASS(ES); SINGLE MASS, 10 X 10 X 8 MM, DARK RED, TAN, AND SOFT
STOMACH, NONGL (SU) :
-EROSION/ULCERATION; MUCOSA: MULTIPLE TAN, ERODED AREAS, UP TO 3 MM IN DIAMETER
-RED FOCUS(I)/AREA(S); SEROSAL SURFACE: SINGLE DARK RED AREA, 4 MM IN DIAMETER

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN

HISTOPATHOLOGY

PITUITARY (PI) :
-B-ADENOMA,-NEOPLASM PRESENT

STOMACH, NONGL (SU) :
-ACANTHOSIS / HYPERKERATOSIS,-MODERATELY SEVERE
-ULCERATION,-MODERATE
-INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE

PROSTATE (PR) :
-INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
CAUSE OF DEATH (CD) :
-NEOPLASM, PITUITARY,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92837 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/12/99 STUDY DAY OF DEATH: 449 STUDY WEEK OF DEATH: 65 TERMINAL BODY WEIGHT: 461.4 GRAMS
DATE AND TIME OF NECROPSY: 07/12/99 9:49 PROSECTOR: KEVIN BILLINGS RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92838 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/13/99 STUDY DAY OF DEATH: 450 STUDY WEEK OF DEATH: 65 TERMINAL BODY WEIGHT: 642.1 GRAMS
DATE AND TIME OF NECROPSY: 07/13/99 10:18 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>WART LIKE LESION(S); DORSAL; WEEK 64; VERIFIED AT NECROPSY: OBSERVED >EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE >SKIN & PELAGE; BROWN HAIR COAT; SCROTUM; VERIFIED AT NECROPSY: OBSERVED >EXCRETION; NONFORMED FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) : -MOTTLED; ALL LOBES: TAN AND BROWN	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT -HYPERPLASIA, BILE DUCT,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT PANCREAS (PA) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL ADRENAL, CORTEX (AC) : -PIGMENT,-MINIMAL THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE
	PITUITARY (PI) : -DIFFUSELY RED; DARK RED STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: SINGLE DARK BROWN AREA, 7 X 5 MM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT STOMACH, GL (ST) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE -ULCERATION,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92838 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/13/99 STUDY DAY OF DEATH: 450 STUDY WEEK OF DEATH: 65 TERMINAL BODY WEIGHT: 642.1 GRAMS
DATE AND TIME OF NECROPSY: 07/13/99 10:18 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: MULTIPLE TAN ERODED AREAS, UP TO 2 MM IN DIAMETER	STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-MODERATE -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
		EPIDIDYMIDES (EP) : -HYPOSPERMIA,-PRESENT
		CAUSE OF DEATH (CD) : -GI TRACT, EROSION/ULCERATION/HEMORRHAGE/INFLAMMATION,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -STAINS-PERINEUM/PERIANAL; PERIANAL: BROWN AND DRY -ANIMAL OBESE	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92838 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/13/99 STUDY DAY OF DEATH: 450 STUDY WEEK OF DEATH: 65 TERMINAL BODY WEIGHT: 642.1 GRAMS
DATE AND TIME OF NECROPSY: 07/13/99 10:18 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92839 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/02/00 STUDY DAY OF DEATH: 623 STUDY WEEK OF DEATH: 89 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/02/00 8:55 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EYES; RED DISCHARGE; EYE-LEFT; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
	KIDNEY (KD) : -LARGE PELVIS(ES); BILATERAL -DIFFUSELY LIGHT; TAN	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SEVERE -DILATATION, PELVIC,-MODERATE
		SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE
		PANCREAS (PA) : -INFLAMMATION, VASCULAR,-SEVERE -THROMBUS,-PRESENT
		ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT
		TESTIS (TE) : -INFLAMMATION, VASCULAR,-SLIGHT
		MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-MODERATE
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92839 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/02/00 STUDY DAY OF DEATH: 623 STUDY WEEK OF DEATH: 89 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/02/00 8:55 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT HEART (HT) : -CARDIOMYOPATHY,-MINIMAL -INFLAMMATION, VASCULAR,-MODERATE
	STOMACH, GL (ST) : -THICKENED WALL; DIFFUSE	STOMACH, GL (ST) : -HYPERPLASIA, EPITHELIAL, GLANDULAR,-MODERATE DUODENUM (DU) : -INFLAMMATION, VASCULAR,-SEVERE JEJUNUM (JE) : >AUTOLYTIC CECUM (CE) : >AUTOLYTIC COLON (CO) : -PARASITISM,-PRESENT CAUSE OF DEATH (CD) : -INFLAMMATION / INFECTION,-PRESENT
	LN, ANT MES/PANC (AP) : -LARGE; PANCREATIC: UP TO 12 X 5 X 5 MM (CAP 22) -DIFFUSELY RED; PANCREATIC: DARK RED (CAP 22) GENERAL COMMENT (GC) : -DISCHARGE-OCULAR; LEFT: DARK RED AND DRY	LN, ANT MES/PANC (AP) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL >NOTE:>SEE PANCREAS

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92839 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/02/00 STUDY DAY OF DEATH: 623 STUDY WEEK OF DEATH: 89 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/02/00 8:55 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, CORTEX (AC), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), ILEUM (IL), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92840 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/03/00 STUDY DAY OF DEATH: 715 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 531.6 GRAMS
DATE AND TIME OF NECROPSY: 04/03/00 14:32 PROSECTOR: NANCY DIEDRICH RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; BROWN HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)
LIVER (LI) :
-DIFFUSELY LIGHT; ALL LOBES: TAN
-RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS
-CYST(S); VISCERAL SURFACE OF LEFT LATERAL LOBE, NEAR HILUS: SINGLE CLEAR FLUID FILLED CYST, 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SEVERE
-CYST, BILIARY,-PRESENT
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-DILATATION, PELVIC,-SLIGHT
-MINERALIZATION, PELVIC,-SLIGHT
-INFLAMMATION, SUPPURATIVE, PELVIC,-SLIGHT
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92840 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/03/00 STUDY DAY OF DEATH: 715 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 531.6 GRAMS
DATE AND TIME OF NECROPSY: 04/03/00 14:32 PROSECTOR: NANCY DIEDRICH RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,- MODERATELY SEVERE ADRENAL, CORTEX (AC) : -PIGMENT,-MINIMAL THYMUS (TH) : >SECTION EXAMINED; TISSUE NOT PRESENT HEART (HT) : -CARDIOMYOPATHY,-SLIGHT
	PITUITARY (PI) : -MASS(ES); 12 X 10 X 8 MM, RED, GRAY, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN AREAS, UP TO 2 X 1 MM	STOMACH, GL (ST) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT -ULCERATION,-MINIMAL
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: MULTIPLE RED AND TAN ERODED AREAS, UP TO 5 X 2 MM -THICKENED WALL; DIFFUSE	STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,- MODERATELY SEVERE -ULCERATION,-MODERATE -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE URINARY BLADDER (UB) : -HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
	PROSTATE (PR) : -NODULAR; PROXIMAL, SURROUNDING URETHRA: GREEN AND FIRM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SEVERE SEMINAL VESICLES (SV) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92840 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/03/00 STUDY DAY OF DEATH: 715 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 531.6 GRAMS
DATE AND TIME OF NECROPSY: 04/03/00 14:32 PROSECTOR: NANCY DIEDRICH RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-STAINS-PERINEUM/PERIANAL; BROWN AND
MOIST MATERIAL

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-NEOPLASM, PITUITARY,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92840 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/03/00 STUDY DAY OF DEATH: 715 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 531.6 GRAMS
DATE AND TIME OF NECROPSY: 04/03/00 14:32 PROSECTOR: NANCY DIEDRICH RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92841 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 08/08/99 STUDY DAY OF DEATH: 476 STUDY WEEK OF DEATH: 68 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 08/08/99 8:16 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : >UNREMARKABLE LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-MINIMAL PANCREAS (PA) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE
	PITUITARY (PI) : -MASS(ES); 8 X 7 X 7 MM, RED, DARK RED AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		JEJUNUM (JE) : >AUTOLYTIC ILEUM (IL) : >AUTOLYTIC CECUM (CE) : >AUTOLYTIC PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92841 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 08/08/99 STUDY DAY OF DEATH: 476 STUDY WEEK OF DEATH: 68 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 08/08/99 8:16 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), KIDNEY (KD), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92842 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/12/00 STUDY DAY OF DEATH: 633 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: 689.8 GRAMS
DATE AND TIME OF NECROPSY: 01/12/00 7:45 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>WART LIKE LESION(S); DORSAL; WEEK 77; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: OBSERVED >BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE >APPEARANCE; CONVULSIONS; VERIFIED AT NECROPSY: NOT APPLICABLE	TESTIS (TE) : -SMALL; BILATERAL: LEFT IS 20 X 17 X 5 MM, RIGHT IS 20 X 14 X 4 MM; BOTH ARE SOFT	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-SLIGHT ADRENAL, CORTEX (AC) : -PIGMENT,-MINIMAL TESTIS (TE) : -ATROPHY/DEGENERATION,-MODERATELY SEVERE MARROW, FEMUR (FM) : -HYPOCELLULAR, MARROW,-SEVERE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92842 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/12/00 STUDY DAY OF DEATH: 633 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: 689.8 GRAMS
DATE AND TIME OF NECROPSY: 01/12/00 7:45 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LUNG (LU) : -UNCOLLAPSED; ALL LOBES	LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-MODERATE MUSCLE, SKELETAL (SM) : -ATROPHY,-SLIGHT NERVE, SCIATIC (SN) : -DEGENERATION,-SLIGHT
	SKIN (SK) : -CRUSTED AREA(S); MID DORSAL THORACIC REGION: SINGLE DARK RED, DRY, AND RAISED AREA, 10 X 8 X 6 MM (CAP 22)	SKIN (SK) : -B-KERATOACANTHOMA,-NEOPLASM PRESENT
		URINARY BLADDER (UB) : -PROTEINACEOUS MATERIAL, LUMINAL,-PRESENT PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT EPIDIDYMIDES (EP) : -HYPOSPERMIA,-PRESENT CAUSE OF DEATH (CD) : -UNDETERMINED MICROSCOPICALLY,-PRESENT
	CAVITY, ABDOM (PC) : -MASS(ES); ATTACHED TO ADIPOSE TISSUE, CRANIAL TO RIGHT TESTIS: SINGLE MASS, 25 X 25 X 20 MM, YELLOW, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (LUMBAR) NORMAL (CAP 23) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	CAVITY, ABDOM (PC) : -INFLAMMATION / NECROSIS, FAT,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92842 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/12/00 STUDY DAY OF DEATH: 633 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: 689.8 GRAMS
DATE AND TIME OF NECROPSY: 01/12/00 7:45 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-DISCHARGE-NASAL; CLEAR AND MOIST
-STAINS - SKIN/HAIRCOAT; ENTIRE HEAD:
RED AND MOIST

HISTOPATHOLOGY

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SEMINAL VESICLES (SV), HEMATO NEOPLASIA (HN), LN, LUMBAR/ILIAC (LM)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92843 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/08/99 STUDY DAY OF DEATH: 537 STUDY WEEK OF DEATH: 77 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/08/99 13:44 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -DEGENERATION, CYSTIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL
	KIDNEY (KD) : -LARGE PELVIS(ES); BILATERAL	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -DILATATION, PELVIC,-SLIGHT
		SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MINIMAL
		ADRENAL, CORTEX (AC) : -VACUOLATION, FOCAL,-MINIMAL
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE
		LUNG (LU) : -INFLAMMATION, GRANULOMATOUS,-MINIMAL
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); RIGHT ASPECT: SINGLE DARK RED AREA, 3 MM IN DIAMETER	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT -ANGIECTASIS,-PRESENT
		ILEUM (IL) : >AUTOLYTIC

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92843 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/08/99 STUDY DAY OF DEATH: 537 STUDY WEEK OF DEATH: 77 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/08/99 13:44 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CECUM (CE) : >AUTOLYTIC COLON (CO) : >AUTOLYTIC EPIDIDYMIDES (EP) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL CAUSE OF DEATH (CD) : -UNDETERMINED MICROSCOPICALLY,-PRESENT
	GENERAL COMMENT (GC) : -ANIMAL OBESE	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92843 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/08/99 STUDY DAY OF DEATH: 537 STUDY WEEK OF DEATH: 77 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/08/99 13:44 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92844 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/19/99 STUDY DAY OF DEATH: 579 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: 473.5 GRAMS
DATE AND TIME OF NECROPSY: 11/19/99 9:50 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>EYES; RED DISCHARGE; EYE-RIGHT; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)
LIVER (LI) :
-LIGHT FOCUS(I)/AREA(S); ALONG MARGIN OF RIGHT MEDIAN LOBE: SINGLE TAN, SLIGHTLY RAISED AREA, 6 X 4 X 4 MM; COLLECTED ON ROUTINE SECTION

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT
-DEGENERATION, CYSTIC,-MODERATELY SEVERE
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-MODERATE
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SEVERE
LUNG (LU) :
-MINERALIZATION, VASCULAR,-MINIMAL
-INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL
HEART (HT) :
-CARDIOMYOPATHY,-SLIGHT
PARATHYROID (PT) :
>SECTION EXAMINED; TISSUE NOT PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92844 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/19/99 STUDY DAY OF DEATH: 579 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: 473.5 GRAMS
DATE AND TIME OF NECROPSY: 11/19/99 9:50 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 12 X 9 X 8 MM, RED, DARK RED, TAN, GRAY, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL
	SEMINAL VESICLES (SV) : -LARGE; BILATERAL: EACH IS 30 X 20 X 5 MM	SEMINAL VESICLES (SV) : >UNREMARKABLE
		EPIDIDYMIDES (EP) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; RIGHT: DARK RED AND DRY CRUSTED MATERIAL -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92844 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/19/99 STUDY DAY OF DEATH: 579 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: 473.5 GRAMS
DATE AND TIME OF NECROPSY: 11/19/99 9:50 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), KIDNEY (KD), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92845 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/12/00 STUDY DAY OF DEATH: 664 STUDY WEEK OF DEATH: 95 TERMINAL BODY WEIGHT: 653.2 GRAMS
DATE AND TIME OF NECROPSY: 02/12/00 8:13 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; RECUMBENT; LATERAL; VERIFIED AT NECROPSY: NOT APPLICABLE
>RESPIRATION; IRREGULAR; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
>UNREMARKABLE
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MINIMAL
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
-DEGENERATION, CYSTIC,-MINIMAL
-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL
-HYPERPLASIA, BILE DUCT,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE
ADRENAL, CORTEX (AC) :
-MINERALIZATION,-MINIMAL
-FIBROSIS,-SLIGHT
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL
HEART (HT) :
-CARDIOMYOPATHY,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92845 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/12/00 STUDY DAY OF DEATH: 664 STUDY WEEK OF DEATH: 95 TERMINAL BODY WEIGHT: 653.2 GRAMS
DATE AND TIME OF NECROPSY: 02/12/00 8:13 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYROID (TY) : -HYPERPLASIA, C-CELL,-MODERATE
	PITUITARY (PI) : -MASS(ES); 7 X 6 X 6 MM, DARK RED, TAN AND SOFT	PITUITARY (PI) : -ANGIECTASIS,-PRESENT
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
		EPIDIDYMIDES (EP) : -VACUOLATION, TUBULAR EPITHELIUM,-SLIGHT
		CAUSE OF DEATH (CD) : -NEPHROPATHY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -STAINS-PERINEUM/PERIANAL; YELLOW AND MOIST	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92845 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/12/00 STUDY DAY OF DEATH: 664 STUDY WEEK OF DEATH: 95 TERMINAL BODY WEIGHT: 653.2 GRAMS
DATE AND TIME OF NECROPSY: 02/12/00 8:13 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92846 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/09/00 STUDY DAY OF DEATH: 721 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/09/00 7:25 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED >WART LIKE LESION(S); DORSAL; WEEK 80; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -MOTTLED; ALL LOBES: RED AND TAN	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-SLIGHT -DEGENERATION, CYSTIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-SLIGHT -FIBROSIS, PERIBILIARY,-SLIGHT
	KIDNEY (KD) : -CYST(S); BILATERAL CORTICAL SURFACES, EXTENDING TO MEDULLA: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 3 MM IN DIAMETER -LARGE PELVIS(ES); BILATERAL -ROUGH SURFACE, DIFFUSE; BILATERAL -LARGE; BILATERAL: EACH IS 32 X 22 X 14 MM -DIFFUSELY LIGHT; BILATERAL: TAN	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SEVERE -DILATATION, PELVIC,-SLIGHT -CYST,-PRESENT -B-PAPILLOMA, TRANSITIONAL CELL,-NEOPLASM PRESENT
		SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE
	PANCREAS (PA) : -LARGE VESSELS; DIFFUSE: UP TO 6 MM IN DIAMETER (CAP 24)	PANCREAS (PA) : -INFLAMMATION, VASCULAR,-SLIGHT -THROMBUS,-PRESENT
		ADRENAL, CORTEX (AC) : -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92846 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/09/00 STUDY DAY OF DEATH: 721 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/09/00 7:25 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-MODERATELY SEVERE -PIGMENT,-SLIGHT ADRENAL, MEDULLA (MA) : -HYPERPLASIA, MEDULLARY,-MODERATE LN, MESENTERIC (MS) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATELY SEVERE TESTIS (TE) : -ATROPHY/DEGENERATION,-SLIGHT -INFLAMMATION, VASCULAR,-SLIGHT MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,-MODERATELY SEVERE MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-SLIGHT -MYELOFIBROSIS,-MINIMAL THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE
	LUNG (LU) : -UNCOLLAPSED; ALL LOBES HEART (HT) : -LARGE; 30 X 20 X 14 MM	LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-SLIGHT THYROID (TY) : -DILATATION / CYST, FOLLICULAR,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92846 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/09/00 STUDY DAY OF DEATH: 721 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/09/00 7:25 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	THYROID (TY) : -LARGE; BILATERAL: EACH IS 7 X 3 X 2 MM	
	PARATHYROID (PT) : -LARGE; BILATERAL: EACH IS 2 MM IN DIAMETER	PARATHYROID (PT) : -HYPERPLASIA,-MODERATELY SEVERE
	PITUITARY (PI) : -LARGE; 4 X 4 X 3 MM; APPEARS SWOLLEN	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -THICKENED WALL; MUCOSA	STOMACH, GL (ST) : -HYPERPLASIA, EPITHELIAL, GLANDULAR,-MODERATE -MINERALIZATION, GLANDULAR MUCOSA,-SLIGHT ILEUM (IL) : >AUTOLYTIC
	SKIN (SK) : -CRUSTED AREA(S); RIGHT DORSAL SHOULDER REGION: SINGLE TAN, DRY AND CAULIFLOWER- LIKE CRUSTED AREA, 25 X 20 MM (CAP 30)	SKIN (SK) : -B-KERATOACANTHOMA,-NEOPLASM PRESENT
	PROSTATE (PR) : -NODULAR; PROXIMAL, TISSUE SURROUNDING URETHRA: GREEN -LARGE; 33 X 23 X 9 MM	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
	SEMINAL VESICLES (SV) : -LARGE; BILATERAL: EACH IS 43 X 33 X 22 MM	SEMINAL VESICLES (SV) : >UNREMARKABLE
		EPIDIDYMIDES (EP) : -IMMATURE SPERM FORMS,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92846 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/09/00 STUDY DAY OF DEATH: 721 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/09/00 7:25 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : -NEPHROPATHY,-PRESENT
	LN, MEDIASTINAL (ML) : -LARGE; UP TO 5 X 3 X 2 MM (CAP 22) -DIFFUSELY RED	LN, MEDIASTINAL (ML) : -HEMORRHAGE,-PRESENT -LYMPHANGIECTASIS,-MODERATELY SEVERE
	LN, RENAL (RL) : -LARGE; RIGHT: 4 X 3 X 3 MM (LEFT, SEE CYST COMMENT) (CAP 26) -CYST(S); INVOLVING ENTIRE LEFT: SINGLE CLEAR FLUID FILLED CYST, 6 X 3 X 3 MM (CAP 26)	LN, RENAL (RL) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE -HEMORRHAGE,-PRESENT -LYMPHANGIECTASIS,-MODERATE
	LN, LUMBAR/ILIAC (LM) : -CYST(S); ATTACHED TO CRANIAL END OF LEFT: SINGLE CLEAR FLUID FILLED CYST, 3 X 3 X 2 MM (RIGHT IS NORMAL) (CAP 29)	LN, LUMBAR/ILIAC (LM) : -LYMPHANGIECTASIS,-PRESENT -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATELY SEVERE
	CAVITY, ABDOM (PC) : -LARGE VESSELS; MESENTERY, DIFFUSE: UP TO 6 MM IN DIAMETER (CAP 25)	CAVITY, ABDOM (PC) : -INFLAMMATION, VASCULAR,-MODERATE -THROMBUS,-PRESENT
	AORTA (AO) : -LARGE; DIFFUSE: UP TO 5 MM IN DIAMETER (CAP 23) -FIRM; DIFFUSE	AORTA (AO) : >UNREMARKABLE
	URETER (UE) : -LARGE; BILATERAL: EACH IS UP TO 2 MM IN DIAMETER (CAP 27)	URETER (UE) : -UNILATERALLY EXAMINED,-PRESENT
	VAS DEFERENS (VS) : -LARGE; BILATERAL: EACH IS UP TO 3 MM IN DIAMETER (CAP 28)	VAS DEFERENS (VS) : >UNREMARKABLE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92846 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/09/00 STUDY DAY OF DEATH: 721 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/09/00 7:25 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -MALOCCLUSION; BILATERAL, UPPER INCISORS -FLUID-ABDOMINAL CAVITY; DARK RED MATERIAL	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), EPIDIDYMIDES (EP), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92847 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/28/00 STUDY DAY OF DEATH: 680 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: 579.0 GRAMS
DATE AND TIME OF NECROPSY: 02/28/00 15:08 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>SKIN & PELAGE; SORE/SCAB; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>EYES; RED DISCHARGE; EYE-LEFT; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

KIDNEY (KD) :
-ROUGH SURFACE, DIFFUSE; LEFT
-SMALL; LEFT: 20 X 10 X 10 MM (RIGHT IS 25 X 17 X 15 MM)

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE
-DILATATION, PELVIC,-SLIGHT
PANCREAS (PA) :
-ATROPHY, ACINAR,-MINIMAL
ADRENAL, CORTEX (AC) :
-PIGMENT,-MINIMAL
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE
LUNG (LU) :
-MINERALIZATION, VASCULAR,-MINIMAL
HEART (HT) :
-CARDIOMYOPATHY,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92847 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/28/00 STUDY DAY OF DEATH: 680 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: 579.0 GRAMS
DATE AND TIME OF NECROPSY: 02/28/00 15:08 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	HEART (HT) : -LIGHT FOCUS(I)/AREA(S); EPICARDIUM OF LEFT VENTRICLE: MULTIPLE GREY AREAS, UP TO 5 X 2 MM	
		THYROID (TY) : -B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 12 X 9 X 9 MM, DARK RED, LOBULATED, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -THICKENED WALL; DIFFUSE	STOMACH, GL (ST) : -HYPERPLASIA, EPITHELIAL, GLANDULAR,-SLIGHT
		PROSTATE (PR) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	FOOT/FOOTPAD (FP) : -CRUSTED AREA(S); RIGHT, HIND FOOT: SINGLE RED AND DARK RED CRUSTED AREA, 11 MM IN DIAMETER, COLLECTED	FOOT/FOOTPAD (FP) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE -ULCERATION,-MODERATE -ACANTHOSIS / HYPERKERATOSIS,-MODERATE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY RED MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92847 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/28/00 STUDY DAY OF DEATH: 680 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: 579.0 GRAMS
DATE AND TIME OF NECROPSY: 02/28/00 15:08 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92848 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 406.9 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 8:35 PROSECTOR: JAMES T. CALLEN RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; SWOLLEN; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
>APPEARANCE; LIMITED USE; PAW-HIND-LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE	KIDNEY (KD) : -LARGE PELVIS(ES); RIGHT	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -DILATATION, PELVIC,-MODERATE
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-MODERATE
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); RIGHT ASPECT: SINGLE DARK RED FOCUS, 2 MM IN DIAMETER	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, LUMBAR/ILIAC (LM) : -LARGE; LEFT: 11 X 9 X 6 MM (RIGHT IS 4 X 3 X 2 MM) (CAP 23)	LN, LUMBAR/ILIAC (LM) : -LYMPHANGIECTASIS,-PRESENT
	JOINT, OTHER (JT) : -LARGE; LEFT TARSAL: 16 MM IN DIAMETER; COLLECTED	JOINT, OTHER (JT) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT -FIBROSIS,-MODERATELY SEVERE -HYPERPLASIA, BONE,-SEVERE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92848 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 406.9 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 8:35 PROSECTOR: JAMES T. CALLEN RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), LUNG (LU), THYROID (TY), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92849 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/16/99 STUDY DAY OF DEATH: 484 STUDY WEEK OF DEATH: 70 TERMINAL BODY WEIGHT: 476.9 GRAMS
DATE AND TIME OF NECROPSY: 08/16/99 14:45 PROSECTOR: TONY HANFELD RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT -COMPRESSION, VENTRAL,-PRESENT
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) : -NECROSIS, COAGULATIVE,-SLIGHT
>BEHAVIOR; COLD TO TOUCH; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE		-INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
>BEHAVIOR; HYPOACTIVE; MODERATE; VERIFIED AT NECROPSY: NOT APPLICABLE	KIDNEY (KD) : -GRANULAR MATERIAL; RIGHT, WITHIN PELVIS: MULTIPLE TAN PINPOINT GRANULES	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
		SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT
		PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-SLIGHT -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
		ADRENAL, CORTEX (AC) : -PIGMENT,-MINIMAL
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 10 X 8 X 8 MM, TAN, RED, DARK RED, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92849 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/16/99 STUDY DAY OF DEATH: 484 STUDY WEEK OF DEATH: 70 TERMINAL BODY WEIGHT: 476.9 GRAMS
DATE AND TIME OF NECROPSY: 08/16/99 14:45 PROSECTOR: TONY HANFELD RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: SINGLE DARK BROWN AREA, 2 X 1 MM	STOMACH, GL (ST) : -EDEMA,-MODERATE -INFLAMMATION, ACUTE,-SLIGHT -EROSION,-MINIMAL PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92849 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/16/99 STUDY DAY OF DEATH: 484 STUDY WEEK OF DEATH: 70 TERMINAL BODY WEIGHT: 476.9 GRAMS
DATE AND TIME OF NECROPSY: 08/16/99 14:45 PROSECTOR: TONY HANFELD RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92850 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/18/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 482.8 GRAMS
DATE AND TIME OF NECROPSY: 04/18/00 7:26 PROSECTOR: JODI THIEREN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LIVER (LI) : -DIFFUSELY LIGHT; ALL LOBES: TAN	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-SLIGHT -VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR,-MODERATE -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT -DEGENERATION, CYSTIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-SEVERE -INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
	SPLEEN (SP) : -MASS(ES); INVOLVING ENTIRE SPLEEN: SINGLE MASS, 55 X 33 X 33 MM, RED, DARK RED, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (SEE PANCREATIC)	SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE -M-HEMANGIOSARCOMA,-NEOPLASM PRESENT PANCREAS (PA) : -M-CARCINOMA, ISLET CELL,-NEOPLASM PRESENT -INFLAMMATION, VASCULAR,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92850 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/18/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 482.8 GRAMS
DATE AND TIME OF NECROPSY: 04/18/00 7:26 PROSECTOR: JODI THIEREN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -VACUOLATION, FOCAL,-MINIMAL -HYPERTROPHY, CORTICAL CELL,-SLIGHT -PIGMENT,-SLIGHT THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE HEART (HT) : -CARDIOMYOPATHY,-MODERATE MUSCLE, SKELETAL (SM) : -ATROPHY,-SLIGHT PITUITARY (PI) : -HYPERPLASIA,-MINIMAL -CYST,-PRESENT
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN AREAS, UP TO 1 MM IN DIAMETER	STOMACH, GL (ST) : -EROSION,-MINIMAL
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE SEMINAL VESICLES (SV) : -SECRETION, DECREASED,-PRESENT CAUSE OF DEATH (CD) : -NEOPLASM, SPLEEN,-PRESENT
	LN, ANT MES/PANC (AP) : -LARGE; PANCREATIC: UP TO 7 X 5 X 5 MM (CAP 22) -DIFFUSELY RED; PANCREATIC: DARK RED	LN, ANT MES/PANC (AP) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL >NOTE:>SEE PANCREAS FOR DIAGNOSIS OF MASS. LYMPH NODE NOT INVOLVED.

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92850 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/18/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 482.8 GRAMS
DATE AND TIME OF NECROPSY: 04/18/00 7:26 PROSECTOR: JODI THIEREN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN -STAINS-PERINEUM/PERIANAL; MOIST, YELLOW MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92850 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/18/00 STUDY DAY OF DEATH: 730 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 482.8 GRAMS
DATE AND TIME OF NECROPSY: 04/18/00 7:26 PROSECTOR: JODI THIEREN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92851 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 788.7 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 9:53 PROSECTOR: LAURIE J. SCHULLER RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>WART LIKE LESION(S); VENTRAL-ABDOMINAL; WEEK 102; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 3 X 2 MM; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MODERATE -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT
	SPLEEN (SP) : -ADHESION(S); PARIETAL SURFACE ATTACHED TO SURROUNDING ADIPOSE TISSUE: MULTIPLE GRAY FIBROUS ADHESIONS; COLLECTED INTACT	SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT -FIBROSIS, CAPSULAR,-PRESENT PANCREAS (PA) : -HYPERTROPHY / BASOPHILIA, ACINAR CELL,-MINIMAL
	LUNG (LU) : -LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN AREAS, UP TO 3 MM IN DIAMETER; SOME ARE FIRM	LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92851 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 788.7 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 9:53 PROSECTOR: LAURIE J. SCHULLER RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	THYROID (TY) : -MASS(ES); RIGHT: SINGLE MASS, 6 X 4 X 3 MM, RED, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (MEDIASTINAL) NORMAL (CAP 23)	THYROID (TY) : -M-CARCINOMA, FOLLICULAR CELL,-NEOPLASM PRESENT
	SKIN (SK) : -CRUSTED AREA(S); MID ABDOMINAL REGION: SINGLE BROWN, TAN, DRY CRUSTED AREA, 6 MM IN DIAMETER (CAP 24)	SKIN (SK) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT -B-PAPILLOMA, SQUAMOUS CELL,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
		LN, MEDIASTINAL (ML) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MINIMAL
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL; COLLECTED	LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE -HEMORRHAGE,-PRESENT -LYMPHANGIECTASIS,-PRESENT
	TAIL (TI) : -CRUSTED AREA(S); ALONG ENTIRE LENGTH: MULTIPLE DARK BROWN AREAS, UP TO 3 MM IN DIAMETER; COLLECTED	TAIL (TI) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL -ACANTHOSIS / HYPERKERATOSIS,-MINIMAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92851 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 788.7 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 9:53 PROSECTOR: LAURIE J. SCHULLER RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), MAMMARY, MALE (MM), COAGULATING GL (CG), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92852 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/07/99 STUDY DAY OF DEATH: 475 STUDY WEEK OF DEATH: 68 TERMINAL BODY WEIGHT: 544.2 GRAMS
DATE AND TIME OF NECROPSY: 08/07/99 8:05 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE
>RESPIRATION; IRREGULAR; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)
LIVER (LI) :
-RED FOCUS(I)/AREA(S); DIAPHRAGMATIC SURFACE OF LEFT LATERAL LOBE: MULTIPLE DARK RED AREAS, UP TO 2 X 1 MM; COLLECTED ON ROUTINE SECTION

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
-DEGENERATION, CYSTIC,-MINIMAL
-HYPERPLASIA, BILE DUCT,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
ADRENAL, CORTEX (AC) :
-PIGMENT,-MINIMAL
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SEVERE
LUNG (LU) :
-INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92852 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/07/99 STUDY DAY OF DEATH: 475 STUDY WEEK OF DEATH: 68 TERMINAL BODY WEIGHT: 544.2 GRAMS
DATE AND TIME OF NECROPSY: 08/07/99 8:05 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 8 X 7 X 7 MM, RED, DARK RED, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: MULTIPLE DARK BROWN AND BLACK ERODED AREAS, UP TO 6 X 4 MM -THICKENED WALL; DIFFUSE	STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-MODERATE -ULCERATION,-MODERATE -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92852 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/07/99 STUDY DAY OF DEATH: 475 STUDY WEEK OF DEATH: 68 TERMINAL BODY WEIGHT: 544.2 GRAMS
DATE AND TIME OF NECROPSY: 08/07/99 8:05 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92853 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 691.9 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 8:12 PROSECTOR: JAMES T. CALLEN RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL -VACUOLATION, HEPATOCELLULAR,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL PANCREAS (PA) : -HYPERPLASIA, ISLET CELLS,-SLIGHT LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL THYROID (TY) : -B-ADENOMA, C-CELL,- 2 NEOPLASMS PRESENT
	PITUITARY (PI) : -MASS(ES); 12 X 8 X 6 MM, RED, DARK RED, TAN AND FIRM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -EROSION/ULCERATION; MUCOSA: SINGLE DARK RED ERODED AREA, 5 MM IN DIAMETER	STOMACH, GL (ST) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE -ULCERATION,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92853 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 691.9 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 8:12 PROSECTOR: JAMES T. CALLEN RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		STOMACH, GL (ST) : -HYPERPLASIA, EPITHELIAL, GLANDULAR,- MODERATE CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92854 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/24/00 STUDY DAY OF DEATH: 705 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/24/00 7:29 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -DEGENERATION, CYSTIC,-MINIMAL -NECROSIS, COAGULATIVE,-SLIGHT -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATELY SEVERE PANCREAS (PA) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-MINIMAL TESTIS (TE) : -B-INTERSTITIAL CELL TUMOR,-NEOPLASM PRESENT THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92854 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/24/00 STUDY DAY OF DEATH: 705 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/24/00 7:29 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LUNG (LU) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT HEART (HT) : -CARDIOMYOPATHY,-MODERATE THYROID (TY) : -B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT PITUITARY (PI) : -HYPERPLASIA,-MINIMAL -CYST,-PRESENT
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: TWO DARK BROWN AREAS, EACH IS 2 X 1 MM	STOMACH, GL (ST) : >UNREMARKABLE
		JEJUNUM (JE) : >AUTOLYTIC ILEUM (IL) : >AUTOLYTIC CECUM (CE) : >AUTOLYTIC COLON (CO) : >AUTOLYTIC RECTUM (RE) : >AUTOLYTIC SKIN (SK) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92854 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/24/00 STUDY DAY OF DEATH: 705 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/24/00 7:29 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		EPIDIDYMIDES (EP) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT HEMATO NEOPLASIA (HN) : -M-SARCOMA, HISTIOCYTIC,-NEOPLASM PRESENT CAUSE OF DEATH (CD) : -NEOPLASM, HEMATOPOIETIC,-PRESENT
	GENERAL COMMENT (GC) : -DISCHARGE-OCULAR; BILATERAL: DARK RED, DRY MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92854 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/24/00 STUDY DAY OF DEATH: 705 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/24/00 7:29 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92855 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/16/99 STUDY DAY OF DEATH: 484 STUDY WEEK OF DEATH: 70 TERMINAL BODY WEIGHT: 448.1 GRAMS
DATE AND TIME OF NECROPSY: 08/16/99 9:46 PROSECTOR: TONY HANFELD RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: NOT OBSERVED		EYE (EY) : -DYSTROPHY, CORNEAL IN EARLY STAGES, CONSISTS PRIMARILY OF FOCAL MINERALIZATION,-MINIMAL
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE		BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT
>WART LIKE LESION(S); VENTRAL-ABDOMINAL-LEFT; WEEK 69; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE		SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		PANCREAS (PA) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
	TESTIS (TE) : -CONTAINS FLUID; BILATERAL, BENEATH TUNICA: CLEAR FLUID	TESTIS (TE) : -ATROPHY/DEGENERATION,-SEVERE
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE
		LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92855 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/16/99 STUDY DAY OF DEATH: 484 STUDY WEEK OF DEATH: 70 TERMINAL BODY WEIGHT: 448.1 GRAMS
DATE AND TIME OF NECROPSY: 08/16/99 9:46 PROSECTOR: TONY HANFELD RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PARATHYROID (PT) : >SECTION EXAMINED; TISSUE NOT PRESENT
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 10 X 7 X 5 MM, RED, DARK RED, TAN, SOFT AND LOBULATED	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-SLIGHT
		RECTUM (RE) : -PARASITISM,-PRESENT
	SKIN (SK) : -CRUSTED AREA(S); VENTRAL ABDOMINAL REGION: SINGLE TAN AND RAISED AREA, 3 X 3 X 2 MM (CAP 21); COLLECTED; POSSIBLY CONSISTENT WITH WART-LIKE LESION AS NOTED IN CLINICAL OBSERVATIONS	SKIN (SK) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT -B-KERATOACANTHOMA,-NEOPLASM PRESENT
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	CAVITY, ABDOM (PC) : -MASS(ES); ATTACHED TO ADIPOSE TISSUE NEAR LEFT EPIDIDYMIS: SINGLE MASS, 11 X 4 X 3 MM, TAN, YELLOW AND FIRM; SAME ON CUT SURFACE (CAP 22); REGIONAL LN (MESENTERIC) NORMAL	CAVITY, ABDOM (PC) : -INFLAMMATION / NECROSIS, FAT,-MODERATE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92855 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/16/99 STUDY DAY OF DEATH: 484 STUDY WEEK OF DEATH: 70 TERMINAL BODY WEIGHT: 448.1 GRAMS
DATE AND TIME OF NECROPSY: 08/16/99 9:46 PROSECTOR: TONY HANFELD RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -TEETH MISSING/BROKEN/WORN; BILATERAL, UPPER INCISORS: BROKEN OFF NEAR BASE -DISCHARGE-OCULAR; BILATERAL: RED AND DRY	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92855 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/16/99 STUDY DAY OF DEATH: 484 STUDY WEEK OF DEATH: 70 TERMINAL BODY WEIGHT: 448.1 GRAMS
DATE AND TIME OF NECROPSY: 08/16/99 9:46 PROSECTOR: TONY HANFELD RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LIVER (LI), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), URINARY BLADDER (UB), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92856 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 606.4 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 8:37 PROSECTOR: JOHN S. HALFORD RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; BENT TAIL; VERIFIED AT NECROPSY: OBSERVED >MASS(ES); INGUINAL REGION-LEFT; WEEK 99; VERIFIED AT NECROPSY: NOT OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT -HYPERPLASIA, BILE DUCT,-MINIMAL -FIBROSIS, PERIBILIARY,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
	KIDNEY (KD) : -CYST(S); LEFT CORTICAL SURFACE: SINGLE CLEAR FLUID FILLED CYST, 3 MM IN DIAMETER -ROUGH SURFACE, DIFFUSE; BILATERAL -DIFFUSELY LIGHT; BILATERAL: TAN	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATELY SEVERE
	PANCREAS (PA) : -LARGE VESSELS; UP TO 3 MM IN DIAMETER (CAP 24)	PANCREAS (PA) : -INFLAMMATION, VASCULAR,-SEVERE
	LUNG (LU) : -MOTTLED; ALL LOBES: RED AND TAN	LUNG (LU) : >UNREMARKABLE
		THYROID (TY) : -B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT
		PARATHYROID (PT) : -HYPERPLASIA,-SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92856 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 606.4 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 8:37 PROSECTOR: JOHN S. HALFORD RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -CYST(S); LEFT POSTERIOR ASPECT: SINGLE CLEAR FLUID FILLED CYST, 3 MM IN DIAMETER STOMACH, GL (ST) : -THICKENED WALL; DIFFUSE LN, MEDIASTINAL (ML) : -LARGE; UP TO 4 X 4 X 3 MM (CAP 22) LN, RENAL (RL) : -LARGE; BILATERAL: EACH IS UP TO 5 X 4 X 3 MM (CAP 23) -MOTTLED; BILATERAL: RED AND TAN CAVITY, ABDOM (PC) : -LARGE VESSELS; MESENTERY: UP TO 4 MM IN DIAMETER (CAP 25) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -TAIL - BENT/MISSING; 20 MM AND 40 MM FROM TIP: TWO BENT AREAS; COLLECTED -BONE MARROW SMEAR TAKEN	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT STOMACH, GL (ST) : -HYPERPLASIA, EPITHELIAL, GLANDULAR,-SLIGHT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT LN, MEDIASTINAL (ML) : -LYMPHANGIECTASIS,-MODERATE LN, RENAL (RL) : -INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT -LYMPHANGIECTASIS,-MODERATELY SEVERE CAVITY, ABDOM (PC) : -INFLAMMATION, VASCULAR,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92856 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 606.4 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 8:37 PROSECTOR: JOHN S. HALFORD RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
TESTIS (TE), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92857 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/16/99 STUDY DAY OF DEATH: 576 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: 570.5 GRAMS
DATE AND TIME OF NECROPSY: 11/16/99 9:35 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; RECUMBENT; STERNAL; VERIFIED AT NECROPSY: NOT APPLICABLE
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MINIMAL
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
-HYPERPLASIA, BILE DUCT,-SLIGHT
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-SLIGHT
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
ADRENAL, CORTEX (AC) :
-VACUOLATION, FOCAL,-SLIGHT
-HYPERTROPHY, CORTICAL CELL,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92857 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/16/99 STUDY DAY OF DEATH: 576 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: 570.5 GRAMS
DATE AND TIME OF NECROPSY: 11/16/99 9:35 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

PITUITARY (PI) :
-MASS(ES); SINGLE MASS, 9 X 8 X 7 MM, RED, DARK RED, TAN AND SOFT

URINARY BLADDER (UB) :
-CALCULUS(I); WITHIN LUMEN: SINGLE TAN AND HARD CALCULUS, 6 MM IN DIAMETER
PROSTATE (PR) :
-NODULAR; PROXIMAL SURROUNDING URETHRA: GREEN AND FIRM
SEMINAL VESICLES (SV) :
-LARGE; BILATERAL: EACH IS 30 X 20 X 6 MM

LN, LUMBAR/ILIAC (LM) :
-LARGE; BILATERAL: EACH IS UP TO 12 X 7 X 4 MM (CAP 22)
GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY MATERIAL

HISTOPATHOLOGY

THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SEVERE
THYROID (TY) :
-B-ADENOMA, C-CELL,-NEOPLASM PRESENT
PITUITARY (PI) :
-B-ADENOMA,-NEOPLASM PRESENT

HARDERIAN GLAND (HG) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
URINARY BLADDER (UB) :
>UNREMARKABLE

PROSTATE (PR) :
-INFLAMMATION, CHRONIC-ACTIVE,-MODERATE

SEMINAL VESICLES (SV) :
-SECRETION, INCREASED,-PRESENT

CAUSE OF DEATH (CD) :
-NEOPLASM, PITUITARY,-PRESENT
LN, LUMBAR/ILIAC (LM) :
>TISSUE MISSING

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92857 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/16/99 STUDY DAY OF DEATH: 576 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: 570.5 GRAMS
DATE AND TIME OF NECROPSY: 11/16/99 9:35 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92858 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/21/00 STUDY DAY OF DEATH: 673 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 526.8 GRAMS
DATE AND TIME OF NECROPSY: 02/21/00 14:44 PROSECTOR: DAVID SCHUETTE RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>WART LIKE LESION(S); DORSAL; WEEK 87; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 91; 15 X 20MM; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED
>RESPIRATION; AUDIBLE; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)
LIVER (LI) :
-MOTTLED; ALL LOBES: BROWN AND TAN
-ROUGH SURFACE, DIFFUSE; ALL LOBES

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-SLIGHT
-NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MODERATELY SEVERE
-HYPERPLASIA, BILE DUCT,-MODERATELY SEVERE
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT
SPLEEN (SP) :
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE
PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-SLIGHT
-INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT
-HYPERPLASIA, ISLET CELLS,-SLIGHT
-HYPERTROPHY / BASOPHILIA, ACINAR CELL,-MINIMAL
ADRENAL, CORTEX (AC) :
-PIGMENT,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92858 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/21/00 STUDY DAY OF DEATH: 673 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 526.8 GRAMS
DATE AND TIME OF NECROPSY: 02/21/00 14:44 PROSECTOR: DAVID SCHUETTE RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-SLIGHT THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL -HEMORRHAGE,-PRESENT -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL -INFLAMMATION, GRANULOMATOUS,-SLIGHT >NOTE:>SOME INFLAMMATORY FOCI CONTAIN REFRACTILE FOREIGN MATERIAL HEART (HT) : -CARDIOMYOPATHY,-MINIMAL THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT -B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 8 X 5 X 5 MM, DARK RED, TAN, GRAY, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-MINIMAL SKIN (SK) : -B-KERATOACANTHOMA,-NEOPLASM PRESENT -B-RHABOMYOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92858 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/21/00 STUDY DAY OF DEATH: 673 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 526.8 GRAMS
DATE AND TIME OF NECROPSY: 02/21/00 14:44 PROSECTOR: DAVID SCHUETTE RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	SKIN (SK) : -CRUSTED AREA(S); LEFT DORSAL LUMBAR REGION: SINGLE DRY BROWN CRUSTED AREA, 5 MM IN DIAMETER; POSSIBLY CONSISTENT WITH WART-LIKE LESION NOTED IN CLINICAL OBSERVATION (CAP 26)	
	PROSTATE (PR) : -LARGE; 25 X 20 X 12 MM -GELATINOUS; DIFFUSE: TAN	PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SEVERE
	SEMINAL VESICLES (SV) : -GELATINOUS; BILATERAL: TAN	SEMINAL VESICLES (SV) : -EDEMA,-PRESENT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	MAMMARY, MALE (MM) : -CYST(S); BILATERAL, AXILLARY REGION: MULTIPLE TAN CREAMY SEMIFLUID FILLED CYSTS, UP TO 3 MM IN DIAMETER (CAP 22) -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 35 X 25 X 13 MM, TAN AND FIRM; SAME ON CUT SURFACE; SOME SECTIONS EXUDE A TAN CASEOUS SEMISOLID (CAP 24); REGIONAL LN (AXILLARY) NORMAL (CAP 23) -MASS #2; LEFT INGUINAL REGION: SINGLE MASS, 10 X 10 X 6 MM, TAN AND FIRM; SAME ON CUT SURFACE (CAP 25); REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, MALE (MM) : -GALACTOCELE,-PRESENT -M-CARCINOMA,-NEOPLASM PRESENT >NOTE:>MASS #1 IS THE CARCINOMA. SEE SKIN FOR DIAGNOSIS OF MASS #2.
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92858 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/21/00 STUDY DAY OF DEATH: 673 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 526.8 GRAMS
DATE AND TIME OF NECROPSY: 02/21/00 14:44 PROSECTOR: DAVID SCHUETTE RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92859 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/01/99 STUDY DAY OF DEATH: 500 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: 423.6 GRAMS
DATE AND TIME OF NECROPSY: 09/01/99 14:49 PROSECTOR: JERALD W. JOHNSON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE >APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREA, UP TO 3 MM IN DIAMETER; SOME AREAS APPEAR TO BE SUNKEN WITH A STELLATE PATTERN; COLLECTED ON ROUTINE SECTIONS KIDNEY (KD) : -DEPRESSED FOCUS(I)/AREA(S); BILATERAL, CORTICAL SURFACE: MULTIPLE AREAS, UP TO 2 MM IN DIAMETER SPLEEN (SP) : -SMALL; 30 X 7 X 4 MM TESTIS (TE) : >NOTE:>TRIMMING COMMENT: ONE TESTIS MISSING FROM WET TISSUE	BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE ADRENAL, CORTEX (AC) : -PIGMENT,-MINIMAL TESTIS (TE) : -UNILATERALLY EXAMINED,-PRESENT THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92859 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/01/99 STUDY DAY OF DEATH: 500 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: 423.6 GRAMS
DATE AND TIME OF NECROPSY: 09/01/99 14:49 PROSECTOR: JERALD W. JOHNSON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 12 X 8 X 6 MM, DARK RED, LOBULATED AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-MINIMAL
		PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
	EPIDIDYMIDES (EP) : >NOTE:>TRIMMING COMMENT: ONE EPIDIDYMIS MISSING FROM WET TISSUE	EPIDIDYMIDES (EP) : -UNILATERALLY EXAMINED,-PRESENT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92859 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/01/99 STUDY DAY OF DEATH: 500 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: 423.6 GRAMS
DATE AND TIME OF NECROPSY: 09/01/99 14:49 PROSECTOR: JERALD W. JOHNSON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), TESTIS (TE), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), SEMINAL VESICLES (SV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92860 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/26/00 STUDY DAY OF DEATH: 678 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 580.0 GRAMS
DATE AND TIME OF NECROPSY: 02/26/00 7:35 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>WART LIKE LESION(S); VENTRAL-THORACIC-LEFT; WEEK 96; VERIFIED AT NECROPSY: NOT OBSERVED	LIVER (LI) : -DIFFUSELY LIGHT; ALL LOBES: TAN	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MODERATE -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL -VACUOLATION, HEPATOCELLULAR,-MINIMAL
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
>APPEARANCE; LIMITED USE; LIMBS-HIND; VERIFIED AT NECROPSY: NOT APPLICABLE		
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE		
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED	SPLEEN (SP) : -MASS(ES); DIFFUSE: MULTIPLE MASSES, UP TO 10 MM IN DIAMETER, RED, TAN, AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (SEE PANCREATIC) -MASS #2; INVOLVING ENTIRE CRANIAL END: SINGLE MASS, 10 MM IN DIAMETER, RED, TAN, HARD, BONE-LIKE; SAME ON CUT SURFACE, ALTHOUGH MASS WAS VERY DIFFICULT TO SECTION (CAP 25); REGIONAL LN (SEE PANCREATIC)	SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE -M-OSTEOSARCOMA,-NEOPLASM PRESENT
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE		
		PANCREAS (PA) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92860 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/26/00 STUDY DAY OF DEATH: 678 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 580.0 GRAMS
DATE AND TIME OF NECROPSY: 02/26/00 7:35 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

PANCREAS (PA) :
-MASS(ES); ALONG SPLEEN: SINGLE MASS, 8 MM IN DIAMETER, RED, GRAY, AND SOFT; SAME ON CUT SURFACE (CAP 23); REGIONAL LN (SEE PANCREATIC)
ADRENAL, CORTEX (AC) :
-MASS(ES); INVOLVING APPROXIMATELY ONE-HALF OF LEFT: SINGLE MASS, 5 MM IN DIAMETER, TAN, HARD, AND BONE-LIKE; MASS VERY DIFFICULT TO SECTION, PORTION OF REMAINING ADRENAL EXUDED OUT OF CORTEX AREA IN AN ATTEMPT TO SECTION MASS (CAP 26); REGIONAL LN (SEE RENAL)
TESTIS (TE) :
-SMALL; BILATERAL: EACH IS 20 X 13 X 8 MM; BOTH ARE SOFT

HISTOPATHOLOGY

PANCREAS (PA) :
-M-CARCINOMA, ISLET CELL,-NEOPLASM PRESENT
-INFILTRATION, FAT, INTERSTITIAL,-MODERATE
ADRENAL, CORTEX (AC) :
-VACUOLATION, FOCAL,-MINIMAL
-N-SARCOMA,-NEOPLASM PRESENT
TESTIS (TE) :
-ATROPHY/DEGENERATION,-MODERATE
SPINAL CORD (SC) :
-NECROSIS / HEMORRHAGE, WHITE MATTER,-MODERATE
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE
LUNG (LU) :
-N-SARCOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92860 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/26/00 STUDY DAY OF DEATH: 678 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 580.0 GRAMS
DATE AND TIME OF NECROPSY: 02/26/00 7:35 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LUNG (LU) : -MASS(ES); ALL LOBES, INVOLVING MOST OF LUNG TISSUE: MULTIPLE MASSES, UP TO 15 X 10 X 8 MM, RED, DARK RED, TAN, AND FIRM; SAME ON CUT SURFACES; COLLECTED INTACT; REGIONAL LN (SEE TRACHEOBRONCHIAL) -MOTTLED; ALL LOBES: RED, DARK RED, AND TAN -UNCOLLAPSED; ALL LOBES	HEART (HT) : -CARDIOMYOPATHY,-SLIGHT THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL PITUITARY (PI) : -HYPERPLASIA,-SLIGHT
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: MULTIPLE RED AND TAN ERODED AREAS, UP TO 5 MM IN DIAMETER -THICKENED WALL; DIFFUSE	STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-MODERATE -ULCERATION,-MINIMAL -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE PROSTATE (PR) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT SEMINAL VESICLES (SV) : -ATROPHY,-MODERATELY SEVERE CAUSE OF DEATH (CD) : -NEOPLASM, SPLEEN,-PRESENT LN, RENAL (RL) : -N-SARCOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92860 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/26/00 STUDY DAY OF DEATH: 678 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 580.0 GRAMS
DATE AND TIME OF NECROPSY: 02/26/00 7:35 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, RENAL (RL) : -LARGE; LEFT: 10 MM IN DIAMETER (RIGHT IS 5 X 3 X 2 MM) (CAP 27)	
	LN, ANT MES/PANC (AP) : -DIFFUSELY RED; (CAP 24)	LN, ANT MES/PANC (AP) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
	LN, TRACHEOBRON (TB) : -LARGE; UP TO 8 X 5 X 3 MM (CAP 22) -DIFFUSELY RED	LN, TRACHEOBRON (TB) : -DILATATION, SINUSOIDAL,-PRESENT -HEMORRHAGE,-SLIGHT -N-SARCOMA,-NEOPLASM PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED AND CRUSTED -STAINS-PERINEUM/PERIANAL; YELLOW AND MOIST	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92860 SEX: MALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/26/00 STUDY DAY OF DEATH: 678 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 580.0 GRAMS
DATE AND TIME OF NECROPSY: 02/26/00 7:35 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), PROSTATE (PR), SEMINAL VESICLES (SV), EPIDIDYMIDES (EP), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, MANDIBULAR (MN), MAMMARY, MALE (MM), COAGULATING GL (CG), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), PREPUTIAL GLAND (PG), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), VAS DEFERENS (VS), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), EPIDIDYMIDES (EP), HEMATO NEOPLASIA (HN)

COVANCE
THE DEVELOPMENT SERVICES COMPANY

Sponsor:

3M
St. Paul, Minnesota

FINAL REPORT

Study Title:

104-Week Dietary Chronic Toxicity and Carcinogenicity Study with Perfluorooctane Sulfonic Acid Potassium Salt (PFOS; T-6295) in Rats

Author:

Peter J. Thomford, PhD

Study Completion Date:

January 2, 2002

Testing Facility:

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

Laboratory Study Identification:

Covance 6329-183

Sponsor Study Identification:

3M T-6295

CONTENTS

VOLUME VIII OF IX **Page**

APPENDIX 6 (Continued) 2855
Individual Anatomic Pathology Data 2856

APPENDIX 6 (Continued)

Individual Anatomic Pathology Data

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92861 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 226.3 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 8:46 PROSECTOR: JODI THIEREN RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LF KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	7.8642	3.4757 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LF OVARY (OV0)	--------	--------	--------	NOT TAKEN
RT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

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

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92861 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 226.3 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 8:46 PROSECTOR: JODI THIEREN RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92862 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 281.2 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 10:23 PROSECTOR: GREGORY CODDINGTON RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0474	.0169 %	.0231	WEIGHT TAKEN
RT ADRENAL (AD1)	.0341	.0121 %	.0166	WEIGHT TAKEN
BRAIN (BR)	2.0523	.7298 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.1945	.4248 %	.5820	WEIGHT TAKEN
RT KIDNEY (KD1)	1.2160	.4324 %	.5925	WEIGHT TAKEN
LIVER (LI)	9.3278	3.3171 %	4.5450	WEIGHT TAKEN
LUNG (LU)	1.2262	.4361 %	.5975	WEIGHT TAKEN
LF OVARY (OV0)	.0431	.0153 %	.0210	WEIGHT TAKEN
RT OVARY (OV1)	.0686	.0244 %	.0334	WEIGHT TAKEN
SPLEEN (SP)	.3610	.1284 %	.1759	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0145	.0052 %	.0071	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0135	.0048 %	.0066	WEIGHT TAKEN
UTERUS (UT)	.9292	.3304 %	.4528	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MALOCCLUSION; VERIFIED AT
NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

KIDNEY (KD) :
-MINERALIZATION, TUBULAR,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
ADRENAL, CORTEX (AC) :
-INFILTRATE, MACROPHAGE, PIGMENTED,-
MINIMAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN
-MALOCCLUSION; RIGHT UPPER INCISOR

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92862 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 281.2 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 10:23 PROSECTOR: GREGORY CODDINGTON RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92863 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/15/99 STUDY DAY OF DEATH: 575 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: 483.8 GRAMS
DATE AND TIME OF NECROPSY: 11/15/99 13:44 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MISSING; TAIL-DISTAL; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; BLACK SKIN; TAIL; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); DIAPHRAGMATIC SURFACE OF LEFT MEDIAN LOBE: SINGLE DARK RED FOCUS, 3 MM IN DIAMETER (CAP 21) SPLEEN (SP) : -IRREGULAR SHAPE -LIGHT FOCUS(I)/AREA(S); DIFFUSE: MULTIPLE TAN AREAS, UP TO 6 X 3 MM -ADHESION(S); PARIETAL SURFACE TO LEFT OVARY: MULTIPLE TAN AND FIBROUS ADHESIONS; COLLECTED INTACT	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL -ANGIECTASIS,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, TUBULAR,-MINIMAL SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATELY SEVERE -FIBROSIS, CAPSULAR,-PRESENT PANCREAS (PA) : -ATROPHY, ACINAR,-SLIGHT MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,-MODERATE MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92863 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/15/99 STUDY DAY OF DEATH: 575 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: 483.8 GRAMS
DATE AND TIME OF NECROPSY: 11/15/99 13:44 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-SLIGHT -INFLAMMATION, VASCULAR,-SLIGHT
	PITUITARY (PI) : -MASS(ES); ATTACHED TO DORSAL SIDE OF RIGHT ASPECT: SINGLE MASS, 5 X 3 X 2 MM, RED, DARK RED AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		RECTUM (RE) : -INFLAMMATION, VASCULAR,-SLIGHT
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT PECTORAL REGION: SINGLE MASS, 30 X 20 X 10 MM, TAN AND SOFT; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 23) -THICKENED; ALL REGIONS, DIFFUSE: COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT -HYPERPLASIA, GLANDULAR,-MODERATE
		URINARY BLADDER (UB) : -INFLAMMATION, VASCULAR,-MINIMAL VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-SEVERE CAUSE OF DEATH (CD) : -VASCULITIS, SYSTEMIC,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92863 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/15/99 STUDY DAY OF DEATH: 575 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: 483.8 GRAMS
DATE AND TIME OF NECROPSY: 11/15/99 13:44 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	TAIL (TI) : -DIFFUSELY RED; 60 MM FROM REMAINING TIP: DARK RED; COLLECTED LN, ANT MES/PANC (AP) : -DIFFUSELY RED; PANCREATIC (CAP 22) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -TAIL - BENT/MISSING; DISTAL ONE THIRD: MISSING; REMAINING PORTION COLLECTED	TAIL (TI) : -INFLAMMATION, VASCULAR,-SLIGHT LN, ANT MES/PANC (AP) : -HEMORRHAGE,-PRESENT -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92863 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/15/99 STUDY DAY OF DEATH: 575 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: 483.8 GRAMS
DATE AND TIME OF NECROPSY: 11/15/99 13:44 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), SKIN (SK), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92864 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 218.1 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 8:53 PROSECTOR: LYNN HORNER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LF KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	8.3146	3.8124 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LF OVARY (OV0)	--------	--------	--------	NOT TAKEN
RT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

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

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92864 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 218.1 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 8:53 PROSECTOR: LYNN HORNER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92865 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 07/12/99 STUDY DAY OF DEATH: 449 STUDY WEEK OF DEATH: 65 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 07/12/99 9:49 PROSECTOR: DAVID SCHUETTE RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -HEMORRHAGE,-MINIMAL -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL LIVER (LI) : -CONGESTION,-PRESENT SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE PANCREAS (PA) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL ADRENAL, CORTEX (AC) : -CONGESTION,-PRESENT -PIGMENT,-MINIMAL SPINAL CORD (SC) : -HEMORRHAGE,-MINIMAL THYMUS (TH) : -HEMORRHAGE,-PRESENT
	LUNG (LU) : -DIFFUSELY RED; ALL LOBES: DARK RED PITUITARY (PI) : -MASS(ES); SINGLE MASS, 8 X 6 X 5 MM, DARK RED, TAN, AND SOFT	LUNG (LU) : -CONGESTION,-PRESENT PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92865 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 07/12/99 STUDY DAY OF DEATH: 449 STUDY WEEK OF DEATH: 65 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 07/12/99 9:49 PROSECTOR: DAVID SCHUETTE RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -THICKENED; ALL REGIONS, DIFFUSE: TAN; COLLECTED ON ROUTINE SECTION	
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92865 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 07/12/99 STUDY DAY OF DEATH: 449 STUDY WEEK OF DEATH: 65 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 07/12/99 9:49 PROSECTOR: DAVID SCHUETTE RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), KIDNEY (KD), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92866 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 341.4 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 9:52 PROSECTOR: JAMES T. CALLEN RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		EYE (EY) : -DEGENERATION, RETINAL,-MODERATE
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT
		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL
	KIDNEY (KD) : -CYST(S); RIGHT ON CORTICAL SURFACE NEAR CAUDAL POLE: SINGLE CLEAR FLUID FILLED CYST, 1 MM IN DIAMETER	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-MODERATE -HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT
		SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE
		ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE -HYPERTROPHY, CORTICAL CELL,-SLIGHT -DEGENERATION, CYSTIC / HEMORRHAGIC,-SLIGHT -PIGMENT,-SLIGHT
	OVARY (OV) : -CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 8 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92866 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 341.4 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 9:52 PROSECTOR: JAMES T. CALLEN RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, FEMUR (FM) : -HYPOCELLULAR, MARROW,-MODERATE LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 10 X 10 X 5 MM, DARK RED AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT -HYPERPLASIA,-MINIMAL MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT UTERUS (UT) : -DILATATION,-MODERATE CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92866 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 341.4 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 9:52 PROSECTOR: JAMES T. CALLEN RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92867 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 588.2 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 8:37 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL; WEEK 104; 15 X 15MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-SLIGHT -FIBROSIS, PERIBILIARY,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-SLIGHT ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE -HYPERTROPHY, CORTICAL CELL,-MODERATE -PIGMENT,-SLIGHT ADRENAL, MEDULLA (MA) : -UNILATERALLY EXAMINED,-PRESENT MARROW, FEMUR (FM) : -HYPOCELLULAR, MARROW,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92867 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 588.2 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 8:37 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
	PITUITARY (PI) : -LARGE; 5 X 4 X 4 MM, APPEARS SWOLLEN	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT PERINEAL REGION: SINGLE MASS, 20 X 15 X 10 MM, DARK RED, TAN, AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,-NEOPLASM PRESENT -HYPERPLASIA, GLANDULAR,-MODERATE
		VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-MODERATE
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: DARK RED; COLLECTED	LN, MANDIBULAR (MN) : -HEMORRHAGE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92867 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 588.2 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 8:37 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92868 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 551.6 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 11:24 PROSECTOR: TONY HANFELD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL LIVER-OIL RED O (LI0) : -VACUOLES, OIL RED O-POSITIVE, HEPATOCELLULAR,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-MINIMAL ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE -HYPERTROPHY, CORTICAL CELL,-MINIMAL -HYPERPLASIA, CORTICAL,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92868 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 551.6 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 11:24 PROSECTOR: TONY HANFELD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, MESENTERIC (MS) : -DIFFUSELY DARK; DARK GREEN	LN, MESENTERIC (MS) : >UNREMARKABLE
	OVARY (OV) : -CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 8 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE
		HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
		THYROID (TY) : -HYPERPLASIA, C-CELL,-SLIGHT
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); RIGHT ANTERIOR ASPECT: SINGLE DARK RED AREA, 1 MM IN DIAMETER	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT -HYPERPLASIA,-MINIMAL
	MAMMARY, FEMALE (MF) : -CYST(S); ABDOMINAL REGION: MULTIPLE WHITE FLUID FILLED CYSTS, UP TO 10 X 6 X 2 MM (CAP 22)	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE -HYPERPLASIA, GLANDULAR,-SLIGHT
	UTERUS (UT) : -CYST(S); BILATERAL WITHIN WALLS: MULTIPLE CLEAR AND DARK RED FLUID FILLED CYSTS, UP TO 3 MM IN DIAMETER	UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-SLIGHT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92868 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 551.6 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 11:24 PROSECTOR: TONY HANFELD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS | NECROPSY | HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, MEDULLA (MA), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92869 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 435.4 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 8:50 PROSECTOR: TROY ELLENBECKER RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -HYPERPLASIA, BILE DUCT,-SLIGHT -FIBROSIS, PERIBILIARY,-SLIGHT -HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-MODERATE
	KIDNEY (KD) : -LARGE PELVIS(ES); RIGHT	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-SLIGHT -CYST,-PRESENT
		SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT
		ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE -PIGMENT,-MINIMAL
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92869 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 435.4 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 8:50 PROSECTOR: TROY ELLENBECKER RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		HEART (HT) : -CARDIOMYOPATHY,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-SLIGHT PITUITARY (PI) : -HYPERPLASIA,-SLIGHT MAMMARY, FEMALE (MF) : -HYPERPLASIA, GLANDULAR,-SLIGHT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92869 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 435.4 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 8:50 PROSECTOR: TROY ELLENBECKER RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92870 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/17/00 STUDY DAY OF DEATH: 729 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 332.8 GRAMS
DATE AND TIME OF NECROPSY: 04/17/00 8:10 PROSECTOR: JODI THIEREN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>MASS(ES); AXILLARY REGION-LEFT; WEEK 99; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; RECUMBENT; LATERAL; VERIFIED AT NECROPSY: NOT APPLICABLE
>MASS(ES); INGUINAL REGION-LEFT; WEEK 105; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-SLIGHT
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL
-CYST, BILIARY,-PRESENT
KIDNEY (KD) :
-MINERALIZATION, PELVIC,-MINIMAL
-MINERALIZATION, TUBULAR,-MINIMAL
-HYPERPLASIA, TRANSITIONAL CELL,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATELY SEVERE
ADRENAL, CORTEX (AC) :
-VACUOLATION, FOCAL,-SLIGHT
-HYPERTROPHY, CORTICAL CELL,-MODERATE
-DEGENERATION, CYSTIC / HEMORRHAGIC,-MINIMAL
-PIGMENT,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92870 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/17/00 STUDY DAY OF DEATH: 729 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 332.8 GRAMS
DATE AND TIME OF NECROPSY: 04/17/00 8:10 PROSECTOR: JODI THIEREN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	OVARY (OV) : -CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 4 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL -CYST,-PRESENT
		THYROID (TY) : -HYPERPLASIA, C-CELL,-SLIGHT
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 12 X 8 X 8 MM, RED, DARK RED, GRAY AND FIRM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 30 X 30 X 10 MM, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 21) -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION -MASS #2; PERINEAL REGION: SINGLE MASS, 30 X 20 X 15 MM, TAN AND FIRM, SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED; POSSIBLY CONSISTENT WITH MASS (INGUINAL-LEFT) AS NOTED IN CLINICAL OBSERVATIONS	MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT -HYPERPLASIA, GLANDULAR,-MODERATE -B-ADENOMA,-NEOPLASM PRESENT >NOTE:>MASSES 1 AND 2 ARE PRIMARILY FIBROADENOMAS A SMALL ADENOMA WAS ALSO NOTED IN MASS 2

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92870 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/17/00 STUDY DAY OF DEATH: 729 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 332.8 GRAMS
DATE AND TIME OF NECROPSY: 04/17/00 8:10 PROSECTOR: JODI THIEREN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	UTERUS (UT) : -CYST(S); RIGHT HORN, WITHIN WALL: SINGLE CLEAR FLUID FILLED CYST, 18 X 5 X 5 MM	UTERUS (UT) : -B-POLYP, ENDOMETRIAL, STROMAL,-NEOPLASM PRESENT -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-SEVERE CERVIX (CV) : -HYPERPLASIA, MUCINOUS,-MODERATE
	VAGINA (VA) : -SEMIFLUID MATERIAL; WITHIN LUMEN: CONTAINS A TAN MUCOID SEMIFLUID MATERIAL	VAGINA (VA) : >UNREMARKABLE
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL: LOWER INCISORS -DISCHARGE-OCULAR; LEFT: DARK RED AND DRY MATERIAL -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92870 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/17/00 STUDY DAY OF DEATH: 729 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 332.8 GRAMS
DATE AND TIME OF NECROPSY: 04/17/00 8:10 PROSECTOR: JODI THIEREN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92871 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 641.1 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 11:46 PROSECTOR: JARED FISHEL RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-THORACIC-LEFT; WEEK 76; 50 X 50MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>MASS(ES); INGUINAL REGION-LEFT; WEEK 94; 50 X 50MM; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) :	LIVER (LI) :
	-LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN AREAS, UP TO 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
		-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MODERATE
		-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL
		-HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
		LIVER-OIL RED O (LI0) :
		-VACUOLES, OIL RED O-POSITIVE, HEPATOCELLULAR,-SLIGHT
		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT
		-MINERALIZATION, PELVIC,-SLIGHT
		SPLEEN (SP) :
		-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE
	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
	-LARGE; RIGHT: 9 MM IN DIAMETER	-DEGENERATION, CYSTIC / HEMORRHAGIC,-SEVERE
	-SMALL; LEFT: 3 X 2 X 2 MM	-PIGMENT,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92871 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 641.1 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 11:46 PROSECTOR: JARED FISHEL RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, MEDULLA (MA) : -HYPERPLASIA, MEDULLARY,-SLIGHT -B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-SLIGHT
	PITUITARY (PI) : -MASS(ES); 8 X 7 X 5 MM, DARK RED, TAN, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 70 X 60 X 30 MM, TAN, FIRM, AND LOBULATED; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 22) -MASS #2; LEFT PERINEAL REGION: SINGLE MASS, DARK RED, TAN, VASCULAR, FIRM, AND LOBULATED, 60 X 50 X 30 MM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NORMAL (CAP 23); OVERLYING SKIN HAS A SINGLE DARK RED AND MOIST ULCERATED AREA, 10 MM IN DIAMETER; COLLECTED WITH MASS	MAMMARY, FEMALE (MF) : -M-CARCINOMA,-NEOPLASM PRESENT -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT >NOTE:>MASS #2 IS THE CARCINOMA

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92871 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 641.1 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 11:46 PROSECTOR: JARED FISHEL RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS #3; LEFT INGUINAL REGION: SINGLE MASS, 15 X 10 X 5 MM, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NORMAL (CAP 23) UTERUS (UT) : -CYST(S); BILATERAL WITHIN WALLS: MULTIPLE CLEAR AND RED FLUID FILLED CYSTS, UP TO 4 MM IN DIAMETER GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN GENERAL INFORMATION (XX) : >NOTE:>TRIMMING COMMENT: ANIMAL ID MISSING AT TRIMMING	UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-MODERATE VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-MODERATE CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT LN, AXILLARY (AX) : -HEMORRHAGE,-PRESENT LN, INGUINAL (IN) : -N-CARCINOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92871 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 641.1 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 11:46 PROSECTOR: JARED FISHEL RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92872 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/28/99 STUDY DAY OF DEATH: 618 STUDY WEEK OF DEATH: 89 TERMINAL BODY WEIGHT: 485.2 GRAMS
DATE AND TIME OF NECROPSY: 12/28/99 14:48 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL; WEEK 41; 80 X 70MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	>UNREMARKABLE
		LIVER (LI) :
>MASS(ES); INGUINAL REGION-LEFT; WEEK 83; 30 X 20MM; VERIFIED AT NECROPSY: OBSERVED		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
>SKIN & PELAGE; SORE/SCAB; VENTRAL-ABDOMINAL-LEFT; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) :
		-MINERALIZATION, PELVIC,-MODERATE
		SPLEEN (SP) :
		-PIGMENT, INCREASED,-SLIGHT
		-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE
	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
	-LARGE; LEFT: 8 X 6 X 6 MM (RIGHT IS 5 MM IN DIAMETER)	-DEGENERATION, CYSTIC / HEMORRHAGIC,-SEVERE
	OVARY (OV) :	OVARY (OV) :
	-CYST(S); LEFT: SINGLE CLEAR FLUID FILLED CYST, 3 MM IN DIAMETER	-CYST,-PRESENT
		MARROW, FEMUR (FM) :
		-HYPERPLASIA, MYELOID, MARROW,-SLIGHT
		MARROW, STERNUM (SE) :
		-HYPERPLASIA, MYELOID, MARROW,-MODERATE
		LUNG (LU) :
		-INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92872 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/28/99 STUDY DAY OF DEATH: 618 STUDY WEEK OF DEATH: 89 TERMINAL BODY WEIGHT: 485.2 GRAMS
DATE AND TIME OF NECROPSY: 12/28/99 14:48 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LUNG (LU) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 7 X 7 X 5 MM, DARK RED, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		RECTUM (RE) : -PARASITISM,-PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 80 X 75 X 45 MM (138.2 GRAMS), RED, DARK RED, GREY, TAN, LOBULATED, VASCULAR AND FIRM; SAME ON CUT SURFACE; OVERLYING SKIN HAS A SINGLE DARK RED, TAN AND DRY CRUSTED AREA, 30 X 25 MM; COLLECTED INTACT WITH MASS; REGIONAL LN (INGUINAL) NORMAL (CAP 21) -MASS #2; LEFT INGUINAL REGION, CAUDAL TO MASS 1: SINGLE MASS, 25 X 25 X 20 MM, DARK RED, TAN AND FIRM; SAME ON CUT SURFACE (COLLECTED); REGIONAL LN (INGUINAL) NORMAL (CAP 21)	MAMMARY, FEMALE (MF) : -M-CARCINOMA,-NEOPLASM PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT >NOTE:>MASS #1 IS THE FIBROADENOMA
	UTERUS (UT) : -CYST(S); PROXIMAL END OF LEFT HORN, WITHIN LUMEN: SINGLE CLEAR FLUID FILLED CYST, 9 X 5 X 5 MM	UTERUS (UT) : -DILATATION,-MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92872 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/28/99 STUDY DAY OF DEATH: 618 STUDY WEEK OF DEATH: 89 TERMINAL BODY WEIGHT: 485.2 GRAMS
DATE AND TIME OF NECROPSY: 12/28/99 14:48 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-NEOPLASM, MAMMARY GLAND,-PRESENT
LN, INGUINAL (IN) :
>TISSUE MISSING

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92872 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/28/99 STUDY DAY OF DEATH: 618 STUDY WEEK OF DEATH: 89 TERMINAL BODY WEIGHT: 485.2 GRAMS
DATE AND TIME OF NECROPSY: 12/28/99 14:48 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92873 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 441.8 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 7:29 PROSECTOR: TERRI L. WILLIAMS RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; ALOPECIA; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LIVER (LI) : -RED FOCUS(I)/AREA(S); ALONG MARGIN OF RIGHT LATERAL LOBE, NEAR HILUS: SINGLE DARK RED AREA, 10 X 5 MM (CAP 23) -CYST(S); PAPILLARY PROCESS: SINGLE CLEAR FLUID FILLED CYST, 1 MM IN DIAMETER (CAP 22)	BRAIN (BR) : >UNREMARKABLE LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-MINIMAL -CYST, BILIARY,-PRESENT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -INFARCT,-SLIGHT SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-SLIGHT ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE -PIGMENT,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92873 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 441.8 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 7:29 PROSECTOR: TERRI L. WILLIAMS RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT MARROW, FEMUR (FM) : -HYPOCELLULAR, MARROW,-SLIGHT SPINAL CORD (SC) : -DEGENERATION, AXONAL,-SLIGHT -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 10 X 5 X 5 MM, RED, DARK RED, GRAY, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE BLACK AREAS, UP TO 3 X 1 MM	STOMACH, GL (ST) : >UNREMARKABLE
	SKIN (SK) : -ALOPECIA-DIFFUSE; ENTIRE VENTRAL SURFACE: COLLECTED ON ROUTINE SECTION	SKIN (SK) : >UNREMARKABLE
	MAMMARY, FEMALE (MF) : -CYST(S); BILATERAL INGUINAL REGIONS: MULTIPLE TAN CREAMY FLUID FILLED CYSTS, UP TO 10 MM IN DIAMETER (CAP 24)	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT
		UTERUS (UT) : -DILATATION,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92873 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 441.8 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 7:29 PROSECTOR: TERRI L. WILLIAMS RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	UTERUS (UT) : -CYST(S); LEFT HORN WITHIN LUMEN: SINGLE CLEAR FLUID FILLED CYST, 6 X 3 X 3 MM	
		VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-SLIGHT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92873 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 441.8 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 7:29 PROSECTOR: TERRI L. WILLIAMS RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, STERNUM (SE), BONE, STERNUM (SB), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92874 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 544.5 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 8:26 PROSECTOR: CHANESTA ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL; WEEK 93; 40 X 30MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL LIVER-OIL RED O (LI0) : -VACUOLES, OIL RED O-POSITIVE, HEPATOCELLULAR,-MODERATE KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-SEVERE -B-LIPOMA,-NEOPLASM PRESENT SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE -HYPERTROPHY, CORTICAL CELL,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92874 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 544.5 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 8:26 PROSECTOR: CHANESTA ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, FEMUR (FM) : -HYPOCELLULAR, MARROW,-MODERATE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-MODERATE
	PITUITARY (PI) : -MASS(ES); 8 X 6 X 4 MM, DARK RED, TAN, FIRM AND LOBULATED MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT INGUINAL REGION: SINGLE MASS, 40 X 35 X 20 MM, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT
		VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-SLIGHT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92874 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 544.5 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 8:26 PROSECTOR: CHANESTA ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92875 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/24/99 STUDY DAY OF DEATH: 553 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 261.7 GRAMS
DATE AND TIME OF NECROPSY: 10/24/99 7:25 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED
>DISCHARGE; NASAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

ADRENAL, CORTEX (AC) :
-LARGE; LEFT: 8 X 5 X 3 MM (RIGHT IS 4 X 3 X 3 MM)
LN, MESENTERIC (MS) :
-DIFFUSELY DARK; GREEN

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MINIMAL
KIDNEY (KD) :
-MINERALIZATION, PELVIC,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
ADRENAL, CORTEX (AC) :
-ANGIECTASIS,-MODERATE
-PIGMENT,-SLIGHT
LN, MESENTERIC (MS) :
>UNREMARKABLE
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE
LUNG (LU) :
-INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL
PITUITARY (PI) :
-B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92875 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/24/99 STUDY DAY OF DEATH: 553 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 261.7 GRAMS
DATE AND TIME OF NECROPSY: 10/24/99 7:25 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 13 X 8 X 5 MM, RED, DARK RED, TAN, AND SOFT STOMACH, GL (ST) : -EROSION/ULCERATION; MUCOSA: SINGLE BROWN, ERODED AREA, 3 MM IN DIAMETER MAMMARY, FEMALE (MF) : -CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE TAN, CREAMY SEMIFLUID FILLED CYSTS, UP TO 8 MM IN DIAMETER (CAP 21) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL LOWER INCISORS -DISCHARGE-OCULAR; BILATERAL: DARK RED AND CRUSTED -ANIMAL THIN -STAINS-PERINEUM/PERIANAL; YELLOW AND MOIST -DISCHARGE-NASAL; DARK RED AND CRUSTED -STAINS - SKIN/HAIRCOAT; TOP OF HEAD: RED AND DRY	STOMACH, GL (ST) : >UNREMARKABLE MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT URINARY BLADDER (UB) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92875 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/24/99 STUDY DAY OF DEATH: 553 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 261.7 GRAMS
DATE AND TIME OF NECROPSY: 10/24/99 7:25 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92876 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 353.5 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 8:52 PROSECTOR: NANCY DIEDRICH RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0292	.0083 %	.0133	WEIGHT TAKEN
RT ADRENAL (AD1)	.0329	.0093 %	.0150	WEIGHT TAKEN
BRAIN (BR)	2.1997	.6223 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.3059	.3694 %	.5937	WEIGHT TAKEN
RT KIDNEY (KD1)	1.3705	.3877 %	.6230	WEIGHT TAKEN
LIVER (LI)	8.7983	2.4889 %	3.9998	WEIGHT TAKEN
LUNG (LU)	1.6995	.4808 %	.7726	WEIGHT TAKEN
LF OVARY (OV0)	.0538	.0152 %	.0245	WEIGHT TAKEN
RT OVARY (OV1)	.0463	.0131 %	.0210	WEIGHT TAKEN
SPLEEN (SP)	.5329	.1507 %	.2423	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0101	.0029 %	.0046	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0176	.0050 %	.0080	WEIGHT TAKEN
UTERUS (UT)	.5771	.1633 %	.2624	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>MASS(ES); VENTRAL-ABDOMINAL-RIGHT;
WEEK 53; 10 X 10MM; VERIFIED AT
NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL
-HYPERPLASIA, BILE DUCT,-SLIGHT
-VACUOLATION, HEPATOCELLULAR,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-MINERALIZATION, TUBULAR,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92876 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 353.5 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 8:52 PROSECTOR: NANCY DIEDRICH RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MINIMAL ADRENAL, CORTEX (AC) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL THYMUS (TH) : -HEMORRHAGE,-PRESENT PITUITARY (PI) : -HYPERPLASIA,-MINIMAL HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT INGUINAL REGION: SINGLE MASS, 10 X 10 X 5 MM, TAN, FIRM AND GELATINOUS; SAME ON CUT SURFACE (CAP 20); REGIONAL LN (INGUINAL) NORMAL (CAP 21)	MAMMARY, FEMALE (MF) : -M-FIBROSARCOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT LN, INGUINAL (IN) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL -HEMORRHAGE,-PRESENT
	GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92876 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 353.5 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 8:52 PROSECTOR: NANCY DIEDRICH RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92877 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 493.7 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 10:35 PROSECTOR: TROY ELLENBECKER RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, PINPOINT AND UP TO 2 MM; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MODERATE -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MODERATE -CONGESTION,-PRESENT -HYPERPLASIA, BILE DUCT,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,- MINIMAL -MINERALIZATION, PELVIC,-SLIGHT SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT ADRENAL, CORTEX (AC) : -VACUOLATION, FOCAL,-SLIGHT -ANGIECTASIS,-SLIGHT -PIGMENT,-MINIMAL MARROW, FEMUR (FM) : -HYPOCELLULAR, MARROW,-SLIGHT HEART (HT) : -CARDIOMYOPATHY,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92877 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 493.7 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 10:35 PROSECTOR: TROY ELLENBECKER RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PITUITARY (PI) : -HYPERPLASIA,-SLIGHT MAMMARY, FEMALE (MF) : -HYPERPLASIA, GLANDULAR,-MODERATE CERVIX (CV) : -HYPERPLASIA, MUCINOUS,-MODERATE VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-MODERATELY SEVERE CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL; COLLECTED	LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATELY SEVERE -HEMORRHAGE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN GENERAL INFORMATION (XX) : >NOTE:>ANIMAL IDENTIFICATION TRANSPONDER DAMAGED AT NECROPSY	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92877 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 493.7 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 10:35 PROSECTOR: TROY ELLENBECKER RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92878 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/02/99 STUDY DAY OF DEATH: 562 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 510.6 GRAMS
DATE AND TIME OF NECROPSY: 11/02/99 10:17 PROSECTOR: CHANESTA ACKER RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) :
>MASS(ES); VENTRAL-THORACIC; WEEK 45; 100 X 100MM; VERIFIED AT NECROPSY: OBSERVED		-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL
		-HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 60; 35 X 35MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
		-MINERALIZATION, PELVIC,-MINIMAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		-MINERALIZATION, TUBULAR,-MINIMAL
	SPLEEN (SP) :	SPLEEN (SP) :
	-LARGE; 48 X 13 X 9 MM	-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATELY SEVERE
	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
	-LARGE; BILATERAL: EACH IS 9 X 7 X 5 MM	-DEGENERATION, CYSTIC / HEMORRHAGIC,-SEVERE
		MARROW, FEMUR (FM) :
		-HYPERPLASIA, MYELOID, MARROW,-SEVERE
		MARROW, STERNUM (SE) :
		-HYPERPLASIA, MYELOID, MARROW,-SEVERE
		THYMUS (TH) :
		-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92878 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/02/99 STUDY DAY OF DEATH: 562 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 510.6 GRAMS
DATE AND TIME OF NECROPSY: 11/02/99 10:17 PROSECTOR: CHANESTA ACKER RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 7 X 5 X 3 MM, DARK RED, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 50 X 40 X 28 MM, RED, DARK RED, TAN AND FIRM; ON SECTION EXUDES A DARK RED, CREAMY SEMIFLUID; COLLECTED INTACT; REGIONAL (INGUINAL) NORMAL (CAP 21) -MASS #2; MID CERVICAL REGION, EXTENDING TO VENTRAL THORACIC REGION: SINGLE MASS, 95 X 82 X 45 MM, RED, DARK RED, TAN, LOBULATED, VASCULAR AND FIRM; SAME ON CUT SURFACE; PORTIONS COLLECTED; REGIONAL LN (SEE MANDIBULAR)	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT -B-ADENOMA,-NEOPLASM PRESENT >NOTE:>MASS #2 IS THE FIBROADENOMA
		CAUSE OF DEATH (CD) : -NEOPLASM, MAMMARY GLAND,-PRESENT
		LN, INGUINAL (IN) : >TISSUE MISSING
	LN, MANDIBULAR (MN) : -LARGE; BILATERAL: EACH IS UP TO 10 X 8 X 3 MM (CAP 22)	LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SEVERE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92878 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/02/99 STUDY DAY OF DEATH: 562 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 510.6 GRAMS
DATE AND TIME OF NECROPSY: 11/02/99 10:17 PROSECTOR: CHANESTA ACKER RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -MALOCCLUSION; BILATERAL, UPPER INCISORS -ANIMAL THIN	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92879 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/24/00 STUDY DAY OF DEATH: 645 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 312.0 GRAMS
DATE AND TIME OF NECROPSY: 01/24/00 12:09 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-LEFT; WEEK 69; 10 X 10MM; VERIFIED AT NECROPSY: NOT OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-DILATATION, VENTRICULAR,-PRESENT
		-COMPRESSION, VENTRAL,-PRESENT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) :
		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
>MASS(ES); RECTUM; WEEK 92; 15 X 15MM; VERIFIED AT NECROPSY: OBSERVED		-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MODERATE
		-HYPERPLASIA, BILE DUCT,-MINIMAL
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
>APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE		-MINERALIZATION, TUBULAR,-MINIMAL
		SPLEEN (SP) :
		-PIGMENT, INCREASED,-SLIGHT
		ADRENAL, CORTEX (AC) :
		-DEGENERATION, CYSTIC / HEMORRHAGIC,-MODERATE
		-PIGMENT,-SLIGHT
		HEART (HT) :
		-CARDIOMYOPATHY,-MINIMAL
		THYROID (TY) :
		-HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 11 X 9 X 7 MM, DARK RED, TAN AND FIRM	-B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92879 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/24/00 STUDY DAY OF DEATH: 645 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 312.0 GRAMS
DATE AND TIME OF NECROPSY: 01/24/00 12:09 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); PERIANAL REGION EXTENDING TOWARDS LEFT INGUINAL REGION: SINGLE MASS, 33 X 22 X 15 MM, RED, TAN AND FIRM; ON SECTION EXUDES A TAN SEMIFLUID; COLLECTED INTACT; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -HYPERPLASIA, GLANDULAR,-MODERATELY SEVERE -B-ADENOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92879 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/24/00 STUDY DAY OF DEATH: 645 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 312.0 GRAMS
DATE AND TIME OF NECROPSY: 01/24/00 12:09 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92880 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 260.1 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 10:53 PROSECTOR: JODI THIEREN RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0557	.0214 %	.0289	WEIGHT TAKEN
RT ADRENAL (AD1)	.0540	.0208 %	.0280	WEIGHT TAKEN
BRAIN (BR)	1.9264	.7406 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.0967	.4216 %	.5693	WEIGHT TAKEN
RT KIDNEY (KD1)	1.1309	.4348 %	.5871	WEIGHT TAKEN
LIVER (LI)	8.6012	3.3069 %	4.4649	WEIGHT TAKEN
LUNG (LU)	1.3026	.5008 %	.6762	WEIGHT TAKEN
LF OVARY (OV0)	.0727	.0280 %	.0377	WEIGHT TAKEN
RT OVARY (OV1)	.0804	.0309 %	.0417	WEIGHT TAKEN
SPLEEN (SP)	.5075	.1951 %	.2634	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0060	.0023 %	.0031	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0076	.0029 %	.0039	WEIGHT TAKEN
UTERUS (UT)	1.1928	.4586 %	.6192	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

STOMACH, GL (ST) :
-DARK FOCUS(I)/AREA(S); MUCOSA: TWO
DARK BROWN FOCI, EACH IS 1 MM IN
DIAMETER

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-VACUOLATION, HEPATOCELLULAR,
PERIPORTAL,-MINIMAL
KIDNEY (KD) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
STOMACH, GL (ST) :
>NOT REQUIRED TO BE EXAMINED FOR ANIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92880 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 260.1 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 10:53 PROSECTOR: JODI THIEREN RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

UTERUS (UT) :
-LUMEN FILLED WITH FLUID; BILATERAL: CLEAR FLUID

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

UTERUS (UT) :
>NOT REQUIRED TO BE EXAMINED FOR ANIMAL

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92881 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 488.2 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 11:08 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; MISSING; TEETH; VERIFIED AT NECROPSY: OBSERVED >MASS(ES); INGUINAL REGION-LEFT; WEEK 99; 20 X 20MM; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); DIAPHRAGMATIC SURFACE OF LEFT MEDIAN LOBE: SINGLE DARK RED AREA, 4 MM IN DIAMETER; SUNKEN WITH A STELLATE PATTERN (CAP 23) ADRENAL, CORTEX (AC) : -MASS(ES); ATTACHED TO LEFT GLAND: SINGLE MASS, 5 X 5 X 4 MM, DARK RED, BROWN, AND SOFT; COLLECTED INTACT; REGIONAL LN (SEE RENAL) OVARY (OV) : -CYST(S); BILATERAL: SINGLE CLEAR FLUID FILLED CYST ON EACH, LEFT IS 4 MM IN DIAMETER, RIGHT IS 2 MM IN DIAMETER	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -ANGIECTASIS,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE ADRENAL, CORTEX (AC) : -VACUOLATION, FOCAL,-SLIGHT -HYPERTROPHY, CORTICAL CELL,-MODERATE -DEGENERATION, CYSTIC / HEMORRHAGIC,-MODERATE -PIGMENT,-SLIGHT OVARY (OV) : >UNREMARKABLE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92881 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 488.2 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 11:08 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE HEART (HT) : -CARDIOMYOPATHY,-MINIMAL THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); RIGHT ANTERIOR ASPECT: SINGLE DARK RED AND SLIGHTLY RAISED AREA, 4 X 3 X 1 MM	PITUITARY (PI) : -HYPERPLASIA,-MODERATELY SEVERE
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 35 X 25 X 20 MM, DARK RED, RED, GRAY, FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED -MASS #2; RIGHT INGUINAL REGION: SINGLE MASS, 25 X 22 X 12, TAN AND SOFT; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,-NEOPLASM PRESENT -HYPERPLASIA, GLANDULAR,-MODERATE -B-ADENOMA,-NEOPLASM PRESENT >NOTE:>MASS #2 IS THE FIBROADENOMA
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, RENAL (RL) : -MOTTLED; BILATERAL: RED AND TAN (CAP 26)	LN, RENAL (RL) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT
		LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92881 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 488.2 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 11:08 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; RIGHT: DARK RED; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -MALOCCLUSION; LEFT UPPER INCISOR -TEETH MISSING/BROKEN/WORN; RIGHT UPPER INCISOR: MISSING	LN, MANDIBULAR (MN) : -HEMORRHAGE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92881 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 488.2 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 11:08 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92882 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 432.9 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 11:14 PROSECTOR: DAVID SCHUETTE RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-LEFT; WEEK 69; 80 X 65MM; VERIFIED AT NECROPSY: OBSERVED >MASS(ES); AXILLARY REGION-RIGHT; WEEK 100; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -HEMORRHAGE,-SLIGHT -I-CARCINOMA,-FROM PITUITARY LIVER (LI) : -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MINIMAL -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT -ANGIECTASIS,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-SLIGHT SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE
	ADRENAL, CORTEX (AC) : -LARGE; LEFT: 7 X 7 X 4 MM (RIGHT IS 5 X 4 X 3 MM) -DIFFUSELY DARK; LEFT: DARK BROWN	ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE -HYPERTROPHY, CORTICAL CELL,-MODERATE -DEGENERATION, CYSTIC / HEMORRHAGIC,-MODERATE -HYPERPLASIA, CORTICAL,-MINIMAL -PIGMENT,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92882 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 432.9 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 11:14 PROSECTOR: DAVID SCHUETTE RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	OVARY (OV) : -CYST(S); LEFT: SINGLE CLEAR FLUID FILLED CYST, 8 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE
		LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 7 X 7 X 4 MM, DARK RED, TAN, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN AREAS, 3 X 1 MM	STOMACH, GL (ST) : -INFLAMMATION, ACUTE,-SLIGHT
		RECTUM (RE) : >TISSUE MISSING
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 90 X 75 X 40 MM (129.0 GRAMS), TAN, RED, LOBULATED, VASCULAR, AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (AXILLARY) NORMAL (CAP 22)	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT -HYPERPLASIA, GLANDULAR,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92882 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 432.9 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 11:14 PROSECTOR: DAVID SCHUETTE RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS #2; RIGHT AXILLARY REGION: SINGLE MASS, 35 X 30 X 15 MM, TAN AND FIRM; CUT SURFACE EXUDES A TAN CREAMY SEMIFLUID MATERIAL; COLLECTED INTACT; REGIONAL LN (AXILLARY) NORMAL (CAP 22)	
		VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92882 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 432.9 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 11:14 PROSECTOR: DAVID SCHUETTE RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92883 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/14/99 STUDY DAY OF DEATH: 604 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: 426.7 GRAMS
DATE AND TIME OF NECROPSY: 12/14/99 13:51 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); INGUINAL REGION-RIGHT; WEEK 75; 20 X 20MM; VERIFIED AT NECROPSY: OBSERVED
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

EYE (EY) :
-DYSTROPHY, CORNEAL IN EARLY STAGES, CONSISTS PRIMARILY OF FOCAL MINERALIZATION,-SLIGHT
-INFLAMMATION, ACUTE,-SLIGHT
BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
-HYPERPLASIA, BILE DUCT,-SLIGHT
-FIBROSIS, PERIBILIARY,-SLIGHT
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE
-MINERALIZATION, PELVIC,-MODERATE
SPLEEN (SP) :
-PIGMENT, INCREASED,-MINIMAL
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MINIMAL
PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92883 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/14/99 STUDY DAY OF DEATH: 604 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: 426.7 GRAMS
DATE AND TIME OF NECROPSY: 12/14/99 13:51 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	ADRENAL, CORTEX (AC) : -LARGE; LEFT: 6 MM IN DIAMETER (RIGHT IS 4 MM IN DIAMETER)	ADRENAL, CORTEX (AC) : -VACUOLATION, FOCAL,-MINIMAL -ANGIECTASIS,-MODERATELY SEVERE -HYPERTROPHY, CORTICAL CELL,-SLIGHT
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL
	LUNG (LU) : -LIGHT FOCUS(I)/AREA(S); LEFT LOBE AND RIGHT CAUDAL LOBE, ALONG CAUDAL MARGINS: MULTIPLE TAN FOCI, UP TO 2 MM IN DIAMETER	LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL
		HEART (HT) : -CARDIOMYOPATHY,-SLIGHT
	PITUITARY (PI) : -MASS(ES); 13 X 11 X 9 MM, RED, DARK RED, GREY, TAN, LOBULATED AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
	STOMACH, GL (ST) : -EROSION/ULCERATION; MUCOSA, NEAR PYLORIC VALVE: SINGLE TAN ERODED AREA, 2 X 1 MM	STOMACH, GL (ST) : -EDEMA,-MODERATE -INFLAMMATION, ACUTE,-SLIGHT
		MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE -B-FIBROADENOMA,-NEOPLASM PRESENT -HYPERPLASIA, GLANDULAR,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92883 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/14/99 STUDY DAY OF DEATH: 604 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: 426.7 GRAMS
DATE AND TIME OF NECROPSY: 12/14/99 13:51 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT INGUINAL REGION: SINGLE MASS, 55 X 36 X 19 MM, DARK RED, GREY, TAN, LOBULATED AND SOFT; SOME SECTIONS EXUDE A TAN, CREAMY SEMIFLUID MATERIAL AND OTHER SECTIONS EXUDE A DARK RED, MUCOID SEMIFLUID MATERIAL; COLLECTED INTACT; REGIONAL LN (INGUINAL) NOT IDENTIFIED -CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE TAN, CREAMY SEMIFLUID FILLED CYSTS, UP TO 6 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION	UTERUS (UT) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL CERVIX (CV) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT VAGINA (VA) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT HEMATO NEOPLASIA (HN) : -M-SARCOMA, HISTIOCYTIC,-NEOPLASM PRESENT CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; UPPER RIGHT INCISOR	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92883 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/14/99 STUDY DAY OF DEATH: 604 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: 426.7 GRAMS
DATE AND TIME OF NECROPSY: 12/14/99 13:51 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -DISCHARGE-OCULAR; BILATERAL: DRY, RED MATERIAL	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92884 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/14/00 STUDY DAY OF DEATH: 666 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 328.8 GRAMS
DATE AND TIME OF NECROPSY: 02/14/00 13:36 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 65; 25 X 30MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 74; 30 X 25MM POSTERIOR; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 79; 30 X 20MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); AXILLARY REGION-LEFT; WEEK 89; 20 X 15MM; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>EYES; PROTRUDING; EYES; VERIFIED AT NECROPSY: NOT OBSERVED
>SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; SORE/SCAB; AXILLARY REGION-RIGHT; VERIFIED AT NECROPSY: NOT OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
-HEMORRHAGE,-MODERATE
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-NECROSIS, COAGULATIVE,-MINIMAL
-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL
-HYPERPLASIA, BILE DUCT,-MINIMAL
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-MINERALIZATION, PELVIC,-MODERATE
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE
ADRENAL, CORTEX (AC) :
-HYPERTROPHY, CORTICAL CELL,-MODERATELY SEVERE
-DEGENERATION, CYSTIC / HEMORRHAGIC,-SLIGHT
-PIGMENT,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92884 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/14/00 STUDY DAY OF DEATH: 666 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 328.8 GRAMS
DATE AND TIME OF NECROPSY: 02/14/00 13:36 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,-MODERATE MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-MODERATE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT HEART (HT) : -CARDIOMYOPATHY,-MINIMAL THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 11 X 9 X 5 MM, DARK RED, GRAY, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 45 X 30 X 10 MM, TAN, GRAY, YELLOW, AND CYSTIC; ON SECTION EXUDES A TAN AND YELLOW CREAMY SEMIFLUID; COLLECTED; REGIONAL LN (INGUINAL) NORMAL (CAP 21) -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION -MASS #2; RIGHT INGUINAL REGION: SINGLE MASS, 40 X 30 X 25 MM, RED, TAN VASCULAR, AND FIRM; SOME AREAS EXUDE A BROWN, CREAMY SEMIFLUID; COLLECTED; REGIONAL LN (INGUINAL) NORMAL (CAP 21)	MAMMARY, FEMALE (MF) : -M-CARCINOMA,- 3 NEOPLASMS PRESENT -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT >NOTE:>MASS #1 IS THE FIBROADENOMA

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92884 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/14/00 STUDY DAY OF DEATH: 666 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 328.8 GRAMS
DATE AND TIME OF NECROPSY: 02/14/00 13:36 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

MAMMARY, FEMALE (MF) :
-CYST(S); ALL REGIONS, DIFFUSE:
MULTIPLE TAN, YELLOW CREAMY SEMIFLUID
FILLED CYSTS, UP TO 10 MM IN DIAMETER;
COLLECTED ON ROUTINE SECTION
-MASS #3; RIGHT INGUINAL REGION,
POSTERIOR TO MF MASS #2: SINGLE MASS,
45 X 40 X 20 MM, RED, DARK RED, TAN,
LOBULATED, AND VASCULAR; SAME ON CUT
SURFACE; COLLECTED; REGIONAL LN
(INGUINAL) NORMAL
-MASS #4; LEFT AXILLARY REGION: SINGLE
MASS, 40 X 15 X 10 MM, RED, DARK RED,
BROWN, DARK BROWN AND FIRM; SAME ON
CUT SURFACE; COLLECTED; REGIONAL LN
(AXILLARY) NORMAL (CAP 22); OVERLYING
SKIN OF MASS HAS A SINGLE DARK BROWN,
DRY, CRUSTED AREA, 20 X 10 MM;
COLLECTED INTACT WITH MASS

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-ANIMAL THIN

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-NEOPLASM, PITUITARY,-PRESENT
LN, AXILLARY (AX) :
-HYPERPLASIA, LYMPHOPLASMACYTIC,-SEVERE
LN, INGUINAL (IN) :
>TISSUE MISSING

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92884 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/14/00 STUDY DAY OF DEATH: 666 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 328.8 GRAMS
DATE AND TIME OF NECROPSY: 02/14/00 13:36 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-STAINS - SKIN/HAIRCOAT; ENTIRE
VENTRAL SURFACE: DARK RED AND BROWN

HISTOPATHOLOGY

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92885 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 452.2 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 7:48 PROSECTOR: JOHN S. HALFORD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); INGUINAL REGION-LEFT; WEEK 99; 15 X 15MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LIVER (LI) : -LIGHT FOCUS(I)/AREA(S); RIGHT MEDIAN LOBE ALONG MARGIN: SINGLE TAN AREA, 5 X 4 MM (CAP 22) -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 3 X 2 MM; COLLECTED ON ROUTINE SECTIONS	BRAIN (BR) : >UNREMARKABLE LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-MINIMAL -ANGIECTASIS,-SLIGHT -LIPIDOSIS, SUBCAPSULAR (TENSION LIPIDOSIS),-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-MINIMAL -DEGENERATION, CYSTIC / HEMORRHAGIC,-MODERATELY SEVERE -PIGMENT,-SLIGHT ADRENAL, MEDULLA (MA) : -UNILATERALLY EXAMINED,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92885 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 452.2 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 7:48 PROSECTOR: JOHN S. HALFORD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	OVARY (OV) : -CYST(S); BILATERAL: SINGLE CLEAR FLUID FILLED CYST ON EACH, LEFT IS 3 MM IN DIAMETER, RIGHT IS 8 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT
		LUNG (LU) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
		THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 6 X 5 X 4 MM, DARK RED, GRAY, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -THICKENED WALL; MUCOSA, DIFFUSE	STOMACH, GL (ST) : >UNREMARKABLE
	MAMMARY, FEMALE (MF) : -CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE TAN, CREAMY SEMIFLUID FILLED CYSTS, UP TO 2 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -HYPERPLASIA, GLANDULAR,-MODERATELY SEVERE
		VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-SEVERE
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92885 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 452.2 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 7:48 PROSECTOR: JOHN S. HALFORD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	CAVITY, ABDOM (PC) : -MASS(ES); ADIPOSE TISSUE SURROUNDING LEFT KIDNEY: SINGLE MASS, 46 X 42 X 37 MM, RED, DARK RED, GRAY, TAN, VASCULAR, LOBULATED, AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT WITH LEFT KIDNEY; REGIONAL LN (RENAL) NOT IDENTIFIED; POSSIBLY CONSISTENT WITH MASS NOTED IN CLINICAL OBSERVATIONS GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	CAVITY, ABDOM (PC) : -M-LIPOSARCOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92885 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 452.2 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 7:48 PROSECTOR: JOHN S. HALFORD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92886 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/01/99 STUDY DAY OF DEATH: 561 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 676.1 GRAMS
DATE AND TIME OF NECROPSY: 11/01/99 14:50 PROSECTOR: JODI THIEREN RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; AXILLARY REGION-LEFT; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT -COMPRESSION, VENTRAL,-PRESENT
>APPEARANCE; SWOLLEN; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); DIAPHRAGMATIC SURFACE OF LEFT LATERAL LOBE: MULTIPLE RED AREAS, UP TO 2 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION	LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -HEMATOPOIESIS, EXTRAMEDULLARY,-SLIGHT
>EYES; DISCOLORED/LIGHT RED; EYES; VERIFIED AT NECROPSY: NOT APPLICABLE		
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	KIDNEY (KD) : -DIFFUSELY LIGHT; BILATERAL: TAN	KIDNEY (KD) : -MINERALIZATION, PELVIC,-SLIGHT
>SKIN & PELAGE; BLUE SKIN; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: NOT APPLICABLE		SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE
		ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-MINIMAL
		MARROW, FEMUR (FM) : -HYPERPLASIA, ERYTHROID, MARROW,-SLIGHT
		MARROW, STERNUM (SE) : -HYPERPLASIA, ERYTHROID, MARROW,-SLIGHT
	THYMUS (TH) : -GELATINOUS; DIFFUSE: DARK RED AND SOFT	THYMUS (TH) : -EDEMA,-PRESENT
	PITUITARY (PI) : -MASS(ES); 12 X 8 X 8 MM, RED, DARK RED, GRAY, TAN, FIRM, AND LOBULATED	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92886 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/01/99 STUDY DAY OF DEATH: 561 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 676.1 GRAMS
DATE AND TIME OF NECROPSY: 11/01/99 14:50 PROSECTOR: JODI THIEREN RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	SKIN (SK) : -ABRASION(S)/ULCERATION(S); VENTRAL THORACIC REGION: SINGLE RED AND MOIST ULCERATED AREA, 5 X 3 MM (CAP 21); POSSIBLY CONSISTENT WITH (SORE, SCAB LEFT AXILLARY REGION) NOTED IN CLINICAL OBSERVATIONS	SKIN (SK) : -ACANTHOSIS/HYPERKERATOSIS,-MODERATE -ULCERATION,-SLIGHT -FIBROSIS,-MODERATE -M-CARCINOMA, SQUAMOUS CELL,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -HYPERPLASIA, GLANDULAR,-MODERATE
	UTERUS (UT) : -CYST(S); RIGHT, WITHIN LUMEN: SINGLE CLEAR FLUID FILLED CYST, 2 MM IN DIAMETER	UTERUS (UT) : -DILATATION,-MINIMAL
		VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	LN, MEDIASTINAL (ML) : -DIFFUSELY RED; DARK RED (CAP 24)	LN, MEDIASTINAL (ML) : -HEMORRHAGE,-PRESENT -INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT
		ADIPOSE TISSUE (AT) : -M-LIPOSARCOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92886 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/01/99 STUDY DAY OF DEATH: 561 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 676.1 GRAMS
DATE AND TIME OF NECROPSY: 11/01/99 14:50 PROSECTOR: JODI THIEREN RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	ADIPOSE TISSUE (AT) : -CYST(S); INVOLVING ALL ADIPOSE TISSUE THROUGHOUT ABDOMINAL CAVITY: MULTIPLE CYSTS, SOME ARE FILLED WITH CLEAR AND OILY FLUID AND SOME ARE FILLED WITH RED AND OILY FLUID, UP TO 25 MM IN DIAMETER (CAP 22); POSSIBLY CONSISTENT WITH (SWOLLEN ABDOMEN) NOTED IN CLINICAL OBSERVATIONS	
	DIAPHRAGM (DP) : -MASS(ES); VISCERAL SURFACE: MULTIPLE MASSES, UP TO 4 MM IN DIAMETER, TAN FIRM, AND ADIPOSE TISSUE-LIKE (CAP 23); REGIONAL LN (SEE MEDIASTINAL)	DIAPHRAGM (DP) : -I-LIPOSARCOMA,-NEOPLASM PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92886 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/01/99 STUDY DAY OF DEATH: 561 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 676.1 GRAMS
DATE AND TIME OF NECROPSY: 11/01/99 14:50 PROSECTOR: JODI THIEREN RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92887 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 275.7 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 10:02 PROSECTOR: LAURIE J. SCHULLER RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0376	.0136 %	.0188	WEIGHT TAKEN
RT ADRENAL (AD1)	.0317	.0115 %	.0159	WEIGHT TAKEN
BRAIN (BR)	1.9947	.7235 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.2699	.4606 %	.6366	WEIGHT TAKEN
RT KIDNEY (KD1)	1.2956	.4699 %	.6495	WEIGHT TAKEN
LIVER (LI)	9.7028	3.5193 %	4.8643	WEIGHT TAKEN
LUNG (LU)	1.5519	.5629 %	.7780	WEIGHT TAKEN
LF OVARY (OV0)	.0775	.0281 %	.0389	WEIGHT TAKEN
RT OVARY (OV1)	.0731	.0265 %	.0366	WEIGHT TAKEN
SPLEEN (SP)	.4733	.1717 %	.2373	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0050	.0018 %	.0025	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0075	.0027 %	.0038	WEIGHT TAKEN
UTERUS (UT)	.7463	.2707 %	.3741	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

KIDNEY (KD) :
-CYST(S); RIGHT CORTICAL SURFACE EXTENDING TO CORTEX: SINGLE CLEAR FLUID FILLED CYST, 3 MM IN DIAMETER

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-SLIGHT
-NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL
KIDNEY (KD) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL

SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92887 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 275.7 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 10:02 PROSECTOR: LAURIE J. SCHULLER RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92888 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/24/99 STUDY DAY OF DEATH: 553 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 545.7 GRAMS
DATE AND TIME OF NECROPSY: 10/24/99 7:52 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>EYES; RED DISCHARGE; EYE-RIGHT;
VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; HEAD TILT; RIGHT; VERIFIED
AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT
NECROPSY: NOT APPLICABLE
>EXCRETION; FEW FECES; VERIFIED AT
NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-VACUOLATION, HEPATOCELLULAR, MIDZONAL
/ CENTRILOBULAR,-SLIGHT
-HYPERPLASIA, BILE DUCT,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR,
PERIPORTAL,-SLIGHT
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-
MINIMAL
-MINERALIZATION, PELVIC,-SLIGHT
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
PANCREAS (PA) :
-HYPERPLASIA, ISLET CELLS,-SLIGHT
-INFILTRATION, FAT, INTERSTITIAL,-
MODERATE
ADRENAL, CORTEX (AC) :
-PIGMENT,-MINIMAL
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY
COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-
MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92888 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/24/99 STUDY DAY OF DEATH: 553 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 545.7 GRAMS
DATE AND TIME OF NECROPSY: 10/24/99 7:52 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
		THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 15 X 5 X 5 MM, RED, DARK RED, TAN, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	VAGINA (VA) : -SEMIFLUID MATERIAL; LIGHT GREEN, CREAMY SEMIFLUID	VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; RIGHT: DARK RED AND CRUSTED -ANIMAL OBESE	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92888 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/24/99 STUDY DAY OF DEATH: 553 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 545.7 GRAMS
DATE AND TIME OF NECROPSY: 10/24/99 7:52 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92889 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 367.3 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 9:49 PROSECTOR: JOHN S. HALFORD RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0321	.0087 %	.0168	WEIGHT TAKEN
RT ADRENAL (AD1)	.0277	.0075 %	.0145	WEIGHT TAKEN
BRAIN (BR)	1.9141	.5211 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.1397	.3103 %	.5954	WEIGHT TAKEN
RT KIDNEY (KD1)	1.2457	.3392 %	.6508	WEIGHT TAKEN
LIVER (LI)	9.4841	2.5821 %	4.9549	WEIGHT TAKEN
LUNG (LU)	1.9131	.5209 %	.9995	WEIGHT TAKEN
LF OVARY (OV0)	.0753	.0205 %	.0393	WEIGHT TAKEN
RT OVARY (OV1)	.0475	.0129 %	.0248	WEIGHT TAKEN
SPLEEN (SP)	.4549	.1238 %	.2377	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0284	.0077 %	.0148	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0181	.0049 %	.0095	WEIGHT TAKEN
UTERUS (UT)	.6258	.1704 %	.3269	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MINIMAL
-INFLAMMATION, SUBACUTE,-SLIGHT
KIDNEY (KD) :
-MINERALIZATION, PELVIC,-MINIMAL
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92889 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 367.3 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 9:49 PROSECTOR: JOHN S. HALFORD RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -UNILATERALLY EXAMINED,-PRESENT -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL ADRENAL, MEDULLA (MA) : -UNILATERALLY EXAMINED,-PRESENT HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
	PITUITARY (PI) : -DARK FOCUS(I)/AREA(S); RIGHT POSTERIOR ASPECT: SINGLE DARK FOCUS, 2 MM IN DIAMETER	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT -ANGIECTASIS,-PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92889 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 367.3 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 9:49 PROSECTOR: JOHN S. HALFORD RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92890 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 510.2 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 9:55 PROSECTOR: DAVID SCHUETTE RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
	KIDNEY (KD) : -MASS(ES); RIGHT CORTICAL SURFACE: SINGLE MASS, 5 MM IN DIAMETER, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (RENAL) NORMAL (CAP 22)	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -M-CARCINOMA, TUBULAR CELL,-NEOPLASM PRESENT
		SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE
		PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-SLIGHT
	ADRENAL, CORTEX (AC) : -LARGE; RIGHT: 7 X 7 X 5 MM (LEFT IS 5 X 4 X 3 MM)	ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-MODERATELY SEVERE -DEGENERATION, CYSTIC / HEMORRHAGIC,-MODERATELY SEVERE -PIGMENT,-MINIMAL
		OVARY (OV) : -CYST,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92890 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 510.2 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 9:55 PROSECTOR: DAVID SCHUETTE RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	OVARY (OV) : -CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 5 MM IN DIAMETER	
		BONE, STERNUM (SB) : -HYPERPLASIA, CARTILAGINOUS,-MODERATE
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL
		LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); RIGHT MID ASPECT: SINGLE DARK RED AREA, 2 MM IN DIAMETER	PITUITARY (PI) : -HYPERPLASIA,-MODERATE
	COLON (CO) : -DIVERTICULUM(A); NEAR JUNCTION OF CECUM: SINGLE BROWN DIVERTICULUM, 5 X 5 X 3 MM; COLLECTED ON ROUTINE SECTION	COLON (CO) : -DIVERTICULUM,-PRESENT
	MAMMARY, FEMALE (MF) : -THICKENED; ALL REGIONS DIFFUSE: TAN; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -HYPERPLASIA, GLANDULAR,-MODERATE
		CERVIX (CV) : -HYPERPLASIA, MUCINOUS,-SLIGHT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
		LN, RENAL (RL) : -HEMORRHAGE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92890 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 510.2 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 9:55 PROSECTOR: DAVID SCHUETTE RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LN, RENAL (RL) : -INFILTRATE, MACROPHAGE, PIGMENTED,- SLIGHT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -MALOCCLUSION; BILATERAL UPPER INCISORS	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92890 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 510.2 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 9:55 PROSECTOR: DAVID SCHUETTE RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92891 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/01/99 STUDY DAY OF DEATH: 591 STUDY WEEK OF DEATH: 85 TERMINAL BODY WEIGHT: 314.7 GRAMS
DATE AND TIME OF NECROPSY: 12/01/99 8:08 PROSECTOR: DONIA MEYER RECORDER: DONIA MEYER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) :	BRAIN (BR) :
>BEHAVIOR; RECUMBENT; LATERAL; VERIFIED AT NECROPSY: NOT APPLICABLE	-COMPRESSED (HYPOTHALAMUS)	-DILATATION, VENTRICULAR,-PRESENT
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) :	-COMPRESSION, VENTRAL,-PRESENT
>RESPIRATION; AUDIBLE; VERIFIED AT NECROPSY: NOT APPLICABLE	-RED FOCUS(I)/AREA(S); RIGHT MEDIAN LOBE: SINGLE DARK RED FOCUS, 4 MM IN DIAMETER, SUNKEN WITH A STELLATE PATTERN; COLLECTED ON ROUTINE SECTION	LIVER (LI) :
>RESPIRATION; IRREGULAR; VERIFIED AT NECROPSY: NOT APPLICABLE		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT
		-ANGIECTASIS,-MINIMAL
		KIDNEY (KD) :
		-MINERALIZATION, PELVIC,-MINIMAL
		ADRENAL, CORTEX (AC) :
		-ANGIECTASIS,-MODERATE
		-PIGMENT,-SLIGHT
		ADRENAL, MEDULLA (MA) :
		-B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT
		LUNG (LU) :
		-INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 10 X 10 X 8 MM, DARK RED AND SOFT	-B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) :
		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		MAMMARY, FEMALE (MF) :
		-CYST / GALACTOCELE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92891 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/01/99 STUDY DAY OF DEATH: 591 STUDY WEEK OF DEATH: 85 TERMINAL BODY WEIGHT: 314.7 GRAMS
DATE AND TIME OF NECROPSY: 12/01/99 8:08 PROSECTOR: DONIA MEYER RECORDER: DONIA MEYER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MAMMARY, FEMALE (MF) : -HYPERPLASIA, GLANDULAR,-SLIGHT CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	LN, MEDIASTINAL (ML) : -DIFFUSELY RED; DARK RED (CAP 22)	LN, MEDIASTINAL (ML) : -HEMORRHAGE,-PRESENT -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
	LN, MANDIBULAR (MN) : -MOTTLED; BILATERAL: DARK RED AND TAN (CAP 21)	LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE -HEMORRHAGE,-PRESENT
	CAVITY, THORACIC (TA) : -MASS(ES); ATTACHED TO PLEURA, BETWEEN VERTEBRAE AND RIBS: SINGLE MASS, 20 X 10 X 10 MM, RED, TAN, AND SOFT; SAME ON CUT SURFACE; COLLECTED INTACT WITH SPINAL CORDD; REGIONAL LN (SEE MEDIASTINAL) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN	CAVITY, THORACIC (TA) : -B-HIBERNOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92891 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/01/99 STUDY DAY OF DEATH: 591 STUDY WEEK OF DEATH: 85 TERMINAL BODY WEIGHT: 314.7 GRAMS
DATE AND TIME OF NECROPSY: 12/01/99 8:08 PROSECTOR: DONIA MEYER RECORDER: DONIA MEYER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92892 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 688.1 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 8:50 PROSECTOR: TONY HANFELD RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; OBES; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : >UNREMARKABLE LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-SLIGHT -HYPERPLASIA, BILE DUCT,-MINIMAL -FIBROSIS, PERIBILIARY,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-MINIMAL ADRENAL, CORTEX (AC) : -PIGMENT,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92892 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 688.1 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 8:50 PROSECTOR: TONY HANFELD RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-MODERATE -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 6 X 6 X 4 MM, RED, DARK RED AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 55 X 38 X 14 MM, RED, DARK RED, TAN AND SOFT; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,-NEOPLASM PRESENT -HYPERPLASIA, GLANDULAR,-MODERATE
		VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-MODERATE CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -ANIMAL OBESE	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92892 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 688.1 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 8:50 PROSECTOR: TONY HANFELD RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92893 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/20/99 STUDY DAY OF DEATH: 610 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: 367.4 GRAMS
DATE AND TIME OF NECROPSY: 12/20/99 15:24 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 74; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	>UNREMARKABLE
>MASS(ES); VENTRAL-THORACIC-LEFT; WEEK 74; 40 X 40MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) :
>SKIN & PELAGE; SORE/SCAB; VENTRAL-THORACIC-LEFT; VERIFIED AT NECROPSY: OBSERVED		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE		-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL
		-HEMATOPOIESIS, EXTRAMEDULLARY,-SLIGHT
		-HYPERPLASIA, BILE DUCT,-SLIGHT
		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
		-MINERALIZATION, PELVIC,-MINIMAL
	SPLEEN (SP) :	SPLEEN (SP) :
	-LARGE; 50 X 17 X 10 MM	-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATELY SEVERE
		ADRENAL, CORTEX (AC) :
		-HYPERTROPHY, CORTICAL CELL,-MODERATE
		-DEGENERATION, CYSTIC / HEMORRHAGIC,-MODERATELY SEVERE
		-PIGMENT,-SLIGHT
		OVARY (OV) :
		-B-GRANULOSA/THECA CELL TUMOR,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92893 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/20/99 STUDY DAY OF DEATH: 610 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: 367.4 GRAMS
DATE AND TIME OF NECROPSY: 12/20/99 15:24 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,- MODERATELY SEVERE MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,- MODERATELY SEVERE LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,- MINIMAL THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 7 X 6 X 4 MM, DARK RED, TAN, GRAY, AND SOFT MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 20 X 10 X 10 MM, DARK RED, TAN, AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (SEE AXILLARY) -MASS #2; LEFT AXILLARY REGION: SINGLE MASS, 55 X 50 X 40 MM, DARK RED, TAN, AND FIRM; SOME SECTIONS CONTAIN A TAN CASEOUS SEMISOLID; COLLECTED; REGIONAL LN (SEE AXILLARY); OVERLYING SKIN HAS A SINGLE DARK RED AND TAN ULCERATION, 30 MM IN DIAMETER; COLLECTED	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT MAMMARY, FEMALE (MF) : -M-CARCINOMA,-NEOPLASM PRESENT -CYST / GALACTOCELE,-PRESENT >NOTE:>MASS #1 IS AN ENLARGED SUBCUTANEOUS LYMPH NODE AND GALACTOCELES

PAGE: 1202

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92893 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/20/99 STUDY DAY OF DEATH: 610 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: 367.4 GRAMS
DATE AND TIME OF NECROPSY: 12/20/99 15:24 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE TAN AND CREAMY SEMIFLUID FILLED CYSTS, UP TO 5 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION	
	UTERUS (UT) : -THICKENED WALL; BILATERAL: DIFFUSE	UTERUS (UT) : >UNREMARKABLE
		CAUSE OF DEATH (CD) : -NEOPLASM, MAMMARY GLAND,-PRESENT
	LN, AXILLARY (AX) : -LARGE; LEFT: UP TO 15 X 8 X 5 MM (RIGHT IS UP TO 7 X 6 X 3 MM) (CAP 23)	LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,- MODERATELY SEVERE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL, UPPER INCISORS	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92893 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/20/99 STUDY DAY OF DEATH: 610 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: 367.4 GRAMS
DATE AND TIME OF NECROPSY: 12/20/99 15:24 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92894 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 335.4 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 10:01 PROSECTOR: GREGORY CODDINGTON RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.1249	.0372 %	.0583	WEIGHT TAKEN
RT ADRENAL (AD1)	.0492	.0147 %	.0230	WEIGHT TAKEN
BRAIN (BR)	2.1413	.6384 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.2732	.3796 %	.5946	WEIGHT TAKEN
RT KIDNEY (KD1)	1.3419	.4001 %	.6267	WEIGHT TAKEN
LIVER (LI)	10.7609	3.2084 %	5.0254	WEIGHT TAKEN
LUNG (LU)	1.7755	.5294 %	.8292	WEIGHT TAKEN
LF OVARY (OV0)	.0539	.0161 %	.0252	WEIGHT TAKEN
RT OVARY (OV1)	.0463	.0138 %	.0216	WEIGHT TAKEN
SPLEEN (SP)	.4753	.1417 %	.2220	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0096	.0029 %	.0045	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0161	.0048 %	.0075	WEIGHT TAKEN
UTERUS (UT)	1.4655	.4369 %	.6844	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

ADRENAL, CORTEX (AC) :
-LARGE; LEFT: 7 MM IN DIAMETER (FOR COMPARISON, RIGHT IS 4 MM IN DIAMETER)

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL
KIDNEY (KD) :
-MINERALIZATION, TUBULAR,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
ADRENAL, CORTEX (AC) :
-HEMORRHAGE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92894 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 335.4 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 10:01 PROSECTOR: GREGORY CODDINGTON RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL LUNG (LU) : -HEMORRHAGE,-PRESENT
	ESOPHAGUS (ES) : >NOTE:>TRIMMING COMMENT: NOT FOUND AT TRIMMING	ESOPHAGUS (ES) : >TISSUE MISSING
	GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN	CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92894 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 335.4 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 10:01 PROSECTOR: GREGORY CODDINGTON RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92895 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 458.9 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 11:10 PROSECTOR: TONY HANFELD RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-LEFT; WEEK 87; 45 X 40MM; VERIFIED AT NECROPSY: OBSERVED		BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-SLIGHT SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATELY SEVERE PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-MINIMAL ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE -HYPERTROPHY, CORTICAL CELL,-MINIMAL -HYPERPLASIA, CORTICAL,-MINIMAL -PIGMENT,-SLIGHT OVARY (OV) : -CYST,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92895 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 458.9 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 11:10 PROSECTOR: TONY HANFELD RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	OVARY (OV) : -CYST(S); LEFT: SINGLE CLEAR FLUID FILLED CYST, 3 MM IN DIAMETER	
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE
		PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 50 X 40 X 14 MM, RED, DARK RED, TAN AND SOFT; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 22) -THICKENED; ALL REGIONS, DIFFUSE: COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,-NEOPLASM PRESENT -HYPERPLASIA, GLANDULAR,-MODERATE
		CERVIX (CV) : -HYPERPLASIA, MUCINOUS,-MODERATE
		VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-SEVERE
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92895 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 458.9 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 11:10 PROSECTOR: TONY HANFELD RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92896 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 528.7 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 11:48 PROSECTOR: DAVID SCHUETTE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>MASS(ES); INGUINAL REGION-RIGHT; WEEK 76; 60 X 40MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); VENTRAL-THORACIC; WEEK 104; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL
LIVER-OIL RED O (LI0) :
-VACUOLES, OIL RED O-POSITIVE, HEPATOCELLULAR,-SLIGHT
KIDNEY (KD) :
-MINERALIZATION, PELVIC,-MINIMAL
-MINERALIZATION, TUBULAR,-MINIMAL
SPLEEN (SP) :
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE
PANCREAS (PA) :
-B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT
ADRENAL, CORTEX (AC) :
-ANGIECTASIS,-MODERATE
-PIGMENT,-SLIGHT
OVARY (OV) :
-CYST,-PRESENT
MARROW, FEMUR (FM) :
-HYPERPLASIA, MYELOID, MARROW,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92896 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 528.7 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 11:48 PROSECTOR: DAVID SCHUETTE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-SLIGHT
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE
		HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 7 X 7 X 3 MM, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); BILATERAL VENTRAL CERVICAL REGIONS: MULTIPLE MASSES, UP TO 10 X 9 X 9 MM, ALL ARE TAN AND FIRM; SAME ON CUT SURFACES; REGIONAL LN (AXILLARY) RIGHT (NORMAL) (CAP 23) LEFT (NOT IDENTIFIED) -MASS #2; RIGHT INGUINAL REGION: SINGLE MASS, 75 X 55 X 35 MM, DARK BROWN, TAN, SOFT, LOBULATED, AND VASCULAR; CUT SURFACE EXUDES A DARK BROWN FLUID; COLLECTED; REGIONAL LN (INGUINAL) NORMAL (CAP 24)	MAMMARY, FEMALE (MF) : -M-CARCINOMA,-NEOPLASM PRESENT -CYST / GALACTOCELE,-PRESENT -B-ADENOMA,-NEOPLASM PRESENT >NOTE:>MASS #1 IS THE ADENOMA
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92896 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 528.7 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 11:48 PROSECTOR: DAVID SCHUETTE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX), LN, INGUINAL (IN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92897 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 296.7 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 7:46 PROSECTOR: TONY HANFELD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED >EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE >EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 4 X 3 MM; COLLECTED ON ROUTINE SECTIONS	BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-SLIGHT LIVER-OIL RED O (LI0) : -VACUOLES, OIL RED O-POSITIVE, HEPATOCELLULAR,-MINIMAL KIDNEY (KD) : -MINERALIZATION, TUBULAR,-MINIMAL -INFLAMMATION, SUPPURATIVE, PELVIC,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE PANCREAS (PA) : -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92897 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 296.7 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 7:46 PROSECTOR: TONY HANFELD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -VACUOLATION, FOCAL,-MINIMAL -ANGIECTASIS,-SLIGHT -PIGMENT,-SLIGHT
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE
		THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 10 X 10 X 8 MM, RED, DARK RED, TAN, LOBULATED, AND FIRM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT
		URINARY BLADDER (UB) : -DIVERTICULUM,-PRESENT
		UTERUS (UT) : -DILATATION,-SLIGHT
	VAGINA (VA) : -SEMIFLUID MATERIAL; WITHIN LUMEN: GREEN MUCOID MATERIAL	VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92897 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 296.7 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 7:46 PROSECTOR: TONY HANFELD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92898 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 284.2 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 10:52 PROSECTOR: TROY ELLENBECKER RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0386	.0136 %	.0185	WEIGHT TAKEN
RT ADRENAL (AD1)	.0332	.0117 %	.0159	WEIGHT TAKEN
BRAIN (BR)	2.0817	.7325 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	.9699	.3413 %	.4659	WEIGHT TAKEN
RT KIDNEY (KD1)	1.0336	.3637 %	.4965	WEIGHT TAKEN
LIVER (LI)	8.3705	2.9453 %	4.0210	WEIGHT TAKEN
LUNG (LU)	1.6120	.5672 %	.7744	WEIGHT TAKEN
LF OVARY (OV0)	.0858	.0302 %	.0412	WEIGHT TAKEN
RT OVARY (OV1)	.0637	.0224 %	.0306	WEIGHT TAKEN
SPLEEN (SP)	.4762	.1676 %	.2288	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0083	.0029 %	.0040	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0080	.0028 %	.0038	WEIGHT TAKEN
UTERUS (UT)	.4686	.1649 %	.2251	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
KIDNEY (KD) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-REGENERATION, TUBULAR EPITHELIUM,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92898 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 284.2 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 10:52 PROSECTOR: TROY ELLENBECKER RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92899 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 435.3 GRAMS
DATE AND TIME OF NECROPSY: 04/02/99 9:15 PROSECTOR: KEVIN BILLINGS RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0446	.0102 %	.0206	WEIGHT TAKEN
RT ADRENAL (AD1)	.0404	.0093 %	.0186	WEIGHT TAKEN
BRAIN (BR)	2.1677	.4980 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.4659	.3368 %	.6762	WEIGHT TAKEN
RT KIDNEY (KD1)	1.5078	.3464 %	.6956	WEIGHT TAKEN
LIVER (LI)	13.0348	2.9944 %	6.0132	WEIGHT TAKEN
LUNG (LU)	2.0543	.4719 %	.9477	WEIGHT TAKEN
LF OVARY (OV0)	.0505	.0116 %	.0233	WEIGHT TAKEN
RT OVARY (OV1)	.8172	.1877 %	.3770	WEIGHT TAKEN
SPLEEN (SP)	.6569	.1509 %	.3030	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0086	.0020 %	.0040	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0095	.0022 %	.0044	WEIGHT TAKEN
UTERUS (UT)	1.0497	.2411 %	.4842	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>SKIN & PELAGE; SORE/SCAB; PAW-HIND-
LEFT; VERIFIED AT NECROPSY: NOT
OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-VACUOLATION, HEPATOCELLULAR,-MINIMAL
KIDNEY (KD) :
-MINERALIZATION, PELVIC,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATELY SEVERE
ADRENAL, CORTEX (AC) :
-INFILTRATE, MACROPHAGE, PIGMENTED,-
MINIMAL
-DEGENERATION, CYSTIC / HEMORRHAGIC,-
MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92899 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 435.3 GRAMS
DATE AND TIME OF NECROPSY: 04/02/99 9:15 PROSECTOR: KEVIN BILLINGS RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	OVARY (OV) : -CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 8 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT
		THYMUS (TH) : -HEMORRHAGE,-PRESENT
	MAMMARY, FEMALE (MF) : -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -HYPERPLASIA, GLANDULAR,-SLIGHT -SECRETORY MATERIAL,-PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92899 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 435.3 GRAMS
DATE AND TIME OF NECROPSY: 04/02/99 9:15 PROSECTOR: KEVIN BILLINGS RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92900 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 09/05/99 STUDY DAY OF DEATH: 504 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 09/05/99 13:22 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; MISSING; TEETH; VERIFIED AT NECROPSY: OBSERVED		EYE (EY) : -DYSTROPHY, CORNEAL IN EARLY STAGES, CONSISTS PRIMARILY OF FOCAL MINERALIZATION,-SLIGHT
	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT -COMPRESSION, VENTRAL,-PRESENT
		KIDNEY (KD) : -MINERALIZATION, PELVIC,-SLIGHT -MINERALIZATION, TUBULAR,-MINIMAL
		SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT
	ADRENAL, CORTEX (AC) : -LARGE; LEFT: 6 MM IN DIAMETER (RIGHT IS 3 MM IN DIAMETER)	ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC / HEMORRHAGIC,-SEVERE
	OVARY (OV) : -CYST(S); BILATERAL: SINGLE CLEAR FLUID FILLED CYST ON EACH, EACH IS 3 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT
		THYMUS (TH) : -CYST,-PRESENT
	PITUITARY (PI) : -MASS(ES); 10 X 6 X 5 MM, DARK RED AND FIRM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92900 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 09/05/99 STUDY DAY OF DEATH: 504 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 09/05/99 13:22 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CECUM (CE) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL -LARGE; BILATERAL: EACH IS 8 X 4 X 2 MM GENERAL COMMENT (GC) : -MALOCCLUSION; BILATERAL, LOWER INCISORS -TEETH MISSING/BROKEN/WORN; MISSING, LEFT UPPER INCISOR	LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92900 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 09/05/99 STUDY DAY OF DEATH: 504 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 09/05/99 13:22 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LIVER (LI), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92901 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/22/99 STUDY DAY OF DEATH: 551 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 268.1 GRAMS
DATE AND TIME OF NECROPSY: 10/22/99 15:15 PROSECTOR: JARED FISHEL RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); RECTUM; WEEK 76; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) :
>EYES; RED DISCHARGE; EYE-LEFT; VERIFIED AT NECROPSY: OBSERVED		-MINERALIZATION, PELVIC,-MINIMAL
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE		SPLEEN (SP) :
>DISCHARGE; NASAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED		-PIGMENT, INCREASED,-MODERATE
		ADRENAL, CORTEX (AC) :
		-ANGIECTASIS,-MODERATE
		THYMUS (TH) :
		-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE
		LUNG (LU) :
		-INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL
		THYROID (TY) :
		-HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 12 X 8 X 6 MM, DARK RED, GRAY, SOFT AND LOBULATED	-B-ADENOMA,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) :
		-CYST / GALACTOCELE,-PRESENT
		-INFLAMMATION, CHRONIC-ACTIVE,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92901 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/22/99 STUDY DAY OF DEATH: 551 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 268.1 GRAMS
DATE AND TIME OF NECROPSY: 10/22/99 15:15 PROSECTOR: JARED FISHEL RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -CYST(S); RIGHT PERIANAL REGION: SINGLE GREEN SEMIFLUID FILLED CYST, 11 MM IN DIAMETER; COLLECTED; POSSIBLY CONSISTENT WITH MASS (RECTUM) NOTED IN CLINICAL OBSERVATIONS	
	UTERUS (UT) : -CYST(S); LEFT HORN, WITHIN WALL: MULTIPLE CLEAR FLUID FILLED CYSTS; UP TO 3 MM IN DIAMETER -MASS(ES); ATTACHED TO ENDOMETRIUM OF DISTAL RIGHT HORN: SINGLE MASS, 27 X 7 X 7 MM, RED, DARK RED, GRAY AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT WITH UTERUS; REGIONAL LN (LUMBAR) NORMAL (CAP 22)	UTERUS (UT) : -DILATATION,-MINIMAL -B-POLYP, ENDOMETRIAL, STROMAL,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT LN, LUMBAR/ILIAC (LM) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; LEFT: DRY RED MATERIAL -DISCHARGE-NASAL; BILATERAL: DRY RED MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92901 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/22/99 STUDY DAY OF DEATH: 551 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 268.1 GRAMS
DATE AND TIME OF NECROPSY: 10/22/99 15:15 PROSECTOR: JARED FISHEL RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92902 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/27/99 STUDY DAY OF DEATH: 617 STUDY WEEK OF DEATH: 89 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/27/99 10:23 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -LIGHT FOCUS(I)/AREA(S); DIAPHRAGMATIC SURFACE OF LEFT LATERAL LOBE: SINGLE TAN AREA, 9 X 2 MM; COLLECTED ON ROUTINE SECTION -RED FOCUS(I)/AREA(S); DIAPHRAGMATIC SURFACE OF LEFT LATERAL LOBE: MULTIPLE DARK RED AREAS, UP TO 8 MM IN DIAMETER; SOME ARE SUNKEN WITH A STELLATE PATTERN; COLLECTED ON ROUTINE SECTION	LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -NECROSIS, COAGULATIVE,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT -MINERALIZATION, PELVIC,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MINIMAL PANCREAS (PA) : -M-CARCINOMA, ISLET CELL,-NEOPLASM PRESENT ADRENAL, CORTEX (AC) : -PIGMENT,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92902 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/27/99 STUDY DAY OF DEATH: 617 STUDY WEEK OF DEATH: 89 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/27/99 10:23 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SEVERE >NOTE:>SEE SLIDE #16
		THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -LARGE; 6 X 5 X 4 MM; APPEARS SWOLLEN	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		JEJUNUM (JE) : >AUTOLYTIC
		CECUM (CE) : >AUTOLYTIC
	MAMMARY, FEMALE (MF) : -THICKENED; VENTRAL CERVICAL REGION: TAN AND FIRM (CAP 21)	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -HYPERPLASIA, GLANDULAR,-MODERATE -B-ADENOMA,-NEOPLASM PRESENT
		VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT
		CAUSE OF DEATH (CD) : -NEOPLASM, PANCREAS,-PRESENT
		CAVITY, ABDOM (PC) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL >NOTE:>SEE PANCREAS FOR DIAGNOSIS

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92902 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/27/99 STUDY DAY OF DEATH: 617 STUDY WEEK OF DEATH: 89 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/27/99 10:23 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	CAVITY, ABDOM (PC) : -MASS(ES); ATTACHED TO ADIPOSE TISSUE OF COLON AND ILEUM: SINGLE MASS, 30 X 20 X 15 MM, RED, DARK RED, TAN, GRAY, VASCULAR AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (MESENTERIC) NORMAL GENERAL COMMENT (GC) : -STAINS - SKIN/HAIRCOAT; ENTIRE VENTRAL SURFACE: YELLOW, RED AND MOIST	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92902 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/27/99 STUDY DAY OF DEATH: 617 STUDY WEEK OF DEATH: 89 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/27/99 10:23 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), ILEUM (IL), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92903 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 349.9 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 11:35 PROSECTOR: STEVE VAN ADESTINE RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0438	.0125 %	.0204	WEIGHT TAKEN
RT ADRENAL (AD1)	.0435	.0124 %	.0202	WEIGHT TAKEN
BRAIN (BR)	2.1518	.6150 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.2498	.3572 %	.5808	WEIGHT TAKEN
RT KIDNEY (KD1)	1.2691	.3627 %	.5898	WEIGHT TAKEN
LIVER (LI)	11.8895	3.3980 %	5.5254	WEIGHT TAKEN
LUNG (LU)	1.5288	.4369 %	.7105	WEIGHT TAKEN
LF OVARY (OV0)	.0645	.0184 %	.0300	WEIGHT TAKEN
RT OVARY (OV1)	.0745	.0213 %	.0346	WEIGHT TAKEN
SPLEEN (SP)	.5819	.1663 %	.2704	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0084	.0024 %	.0039	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0099	.0028 %	.0046	WEIGHT TAKEN
UTERUS (UT)	.7114	.2033 %	.3306	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

ADRENAL, CORTEX (AC) :
>NOTE:>EMBEDDING COMMENT: ONE ADRENAL PRESENT AT EMBEDDING
ADRENAL, MEDULLA (MA) :
>NOTE:>EMBEDDING COMMENT: ONE ADRENAL PRESENT AT EMBEDDING

HISTOPATHOLOGY

SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
PANCREAS (PA) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
ADRENAL, CORTEX (AC) :
-UNILATERALLY EXAMINED,-PRESENT
ADRENAL, MEDULLA (MA) :
-UNILATERALLY EXAMINED,-PRESENT
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92903 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 349.9 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 11:35 PROSECTOR: STEVE VAN ADESTINE RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS -BONE MARROW SMEAR TAKEN	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), LN, MESENTERIC (MS), OVARY (OV)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92904 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/21/00 STUDY DAY OF DEATH: 702 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: 470.7 GRAMS
DATE AND TIME OF NECROPSY: 03/21/00 14:04 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); INGUINAL REGION-RIGHT; WEEK 70; 40 X 35MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	>UNREMARKABLE
>MASS(ES); VENTRAL-THORACIC-LEFT; WEEK 73; 30 X 35MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) :
		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT
>MASS(ES); AXILLARY REGION-LEFT; WEEK 69; 55 X 65MM; VERIFIED AT NECROPSY: OBSERVED		-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-SLIGHT
		-NECROSIS, COAGULATIVE,-SLIGHT
>WART LIKE LESION(S); MOUTH; WEEK 89; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) :
		-MINERALIZATION, PELVIC,-MINIMAL
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 97; 30 X 20MM; VERIFIED AT NECROPSY: OBSERVED		SPLEEN (SP) :
		-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE
	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
	-LARGE; BILATERAL: EACH IS 6 X 5 X 4 MM	-HYPERTROPHY, CORTICAL CELL,-SLIGHT
		-DEGENERATION, CYSTIC / HEMORRHAGIC,-MODERATE
	-MOTTLED; BILATERAL: RED, BROWN AND TAN	
		THYMUS (TH) :
		-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92904 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/21/00 STUDY DAY OF DEATH: 702 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: 470.7 GRAMS
DATE AND TIME OF NECROPSY: 03/21/00 14:04 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-SLIGHT
	PITUITARY (PI) : -MASS(ES); 6 X 5 X 3 MM, RED, DARK RED, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
	SKIN (SK) : -RAISED FOCUS(I)/AREA(S); LEFT UPPER LIP: SINGLE RED, TAN, FIRM RAISED AREA, 4 X 2 X 2 MM (CAP 23)	SKIN (SK) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE -B-PAPILLOMA, SQUAMOUS CELL,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 45 X 40 X 22 MM, RED, TAN AND FIRM; SAME ON CUT SURFACE (CAP 24); REGIONAL LN (INGUINAL) NOT IDENTIFIED -MASS #2; RIGHT ABDOMINAL REGION: SINGLE MASS, 45 X 30 X 20 MM, RED, TAN, FIRM AND LOBULATED; SAME ON CUT SURFACE (CAP 25); REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,- 3 NEOPLASMS PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92904 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/21/00 STUDY DAY OF DEATH: 702 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: 470.7 GRAMS
DATE AND TIME OF NECROPSY: 03/21/00 14:04 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS #3; LEFT AXILLARY REGION EXTENDS LEFT INGUINAL REGION: MULTIPLE MASSES, UP TO 65 X 55 X 40 MM (130.6 GRAMS), RED, DARK RED, TAN, FIRM AND LOBULATED; SAME ON CUT SURFACE (CAP 26,27); REGIONAL LN (SEE AXILLARY)	
	UTERUS (UT) : -CYST(S); BILATERAL, WITHIN WALLS: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 1 MM IN DIAMETER	UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-MODERATE
		VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-SLIGHT
		CAUSE OF DEATH (CD) : -NEOPLASM, MAMMARY GLAND,-PRESENT
	LN, AXILLARY (AX) : -DIFFUSELY DARK; BILATERAL: BROWN (CAP 22)	LN, AXILLARY (AX) : -HEMORRHAGE,-PRESENT -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT -INFILTRATE, MACROPHAGE, PIGMENTED,-MODERATE
	LN, MANDIBULAR (MN) : -LARGE; LEFT: 12 X 6 X 4 MM (RIGHT IS 4 X 3 X 2 MM) (CAP 21)	LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SEVERE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92904 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/21/00 STUDY DAY OF DEATH: 702 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: 470.7 GRAMS
DATE AND TIME OF NECROPSY: 03/21/00 14:04 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92905 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 250.0 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 13:02 PROSECTOR: JOHN S. HALFORD RECORDER: MATTHEW AXTMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0460	.0184 %	.0219	WEIGHT TAKEN
RT ADRENAL (AD1)	.0463	.0185 %	.0221	WEIGHT TAKEN
BRAIN (BR)	2.0984	.8394 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.2015	.4806 %	.5726	WEIGHT TAKEN
RT KIDNEY (KD1)	1.2025	.4810 %	.5731	WEIGHT TAKEN
LIVER (LI)	7.9055	3.1622 %	3.7674	WEIGHT TAKEN
LUNG (LU)	1.4232	.5693 %	.6782	WEIGHT TAKEN
LF OVARY (OV0)	.1031	.0412 %	.0491	WEIGHT TAKEN
RT OVARY (OV1)	.0740	.0296 %	.0353	WEIGHT TAKEN
SPLEEN (SP)	.5258	.2103 %	.2506	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0066	.0026 %	.0031	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0153	.0061 %	.0073	WEIGHT TAKEN
UTERUS (UT)	1.2028	.4811 %	.5732	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

UTERUS (UT) :
-LUMEN FILLED WITH FLUID; BILATERAL:
CLEAR FLUID

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
UTERUS (UT) :
>NOT REQUIRED TO BE EXAMINED FOR ANIMAL

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92905 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 250.0 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 13:02 PROSECTOR: JOHN S. HALFORD RECORDER: MATTHEW AXTMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92906 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 343.6 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 7:41 PROSECTOR: GREGORY CODDINGTON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED		EYE (EY) :
		-DYSTROPHY, CORNEAL IN EARLY STAGES, CONSISTS PRIMARILY OF FOCAL MINERALIZATION,-MODERATE
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 95; 40 X 30MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>MASS(ES); AXILLARY REGION-LEFT; WEEK 95; 20 X 20MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) :
		-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT
		-HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
		-MINERALIZATION, PELVIC,-MINIMAL
		SPLEEN (SP) :
		-PIGMENT, INCREASED,-MODERATE
	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
	-LARGE; RIGHT: 8 MM IN DIAMETER (LEFT IS 4 MM IN DIAMETER)	-ANGIECTASIS,-SLIGHT
		-HYPERTROPHY, CORTICAL CELL,-SLIGHT
		-PIGMENT,-SLIGHT
		ADRENAL, MEDULLA (MA) :
		-B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT
		OVARY (OV) :
		-HYPERPLASIA, GRANULOSA CELL,-SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92906 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 343.6 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 7:41 PROSECTOR: GREGORY CODDINGTON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 9 X 7 X 7 MM, RED, DARK RED, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 30 X 25 X 18 MM, TAN AND SOFT; ON SECTION EXUDES A TAN AND CREAMY SEMIFLUID; (CAP 22); REGIONAL LN (LEFT AXILLARY) NORMAL (CAP 23) -MASS #2; RIGHT AXILLARY REGION: SINGLE MASS, 47 X 35 X 25 MM, RED, DARK RED, TAN AND FIRM; SAME ON SURFACE; (CAP 24); REGIONAL LN (SEE AXILLARY)	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT
		UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-MINIMAL VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, AXILLARY (AX) : -DIFFUSELY RED; RIGHT: (CAP 23)	LN, AXILLARY (AX) : -HEMORRHAGE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92906 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 343.6 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 7:41 PROSECTOR: GREGORY CODDINGTON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LN, AXILLARY (AX) : -INFILTRATE, MACROPHAGE, PIGMENTED,- MINIMAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -MALOCCLUSION; RIGHT UPPER INCISOR -DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92906 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 343.6 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 7:41 PROSECTOR: GREGORY CODDINGTON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92907 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 468.7 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 8:17 PROSECTOR: JOHN S. HALFORD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: NOT OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE RED AND DARK RED AREAS, UP TO 4 X 3 MM; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-SLIGHT -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-SLIGHT SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT
	ADRENAL, CORTEX (AC) : -LARGE; LEFT: 6 MM IN DIAMETER (RIGHT IS 4 MM IN DIAMETER)	ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE -HYPERTROPHY, CORTICAL CELL,-MINIMAL -PIGMENT,-SLIGHT ADRENAL, MEDULLA (MA) : -UNILATERALLY EXAMINED,-PRESENT THYMUS (TH) : -HYPERPLASIA, LYMPHORETICULAR,-MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92907 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 468.7 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 8:17 PROSECTOR: JOHN S. HALFORD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	THYMUS (TH) : -MASS(ES); INVOLVING ENTIRE ORGAN: SINGLE TAN AND LOBULATED MASS, 15 X 13 X 6 MM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (MEDIASTINAL) NORMAL (CAP 25)	
		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL
	PITUITARY (PI) : -LARGE; 5 X 4 X 3 MM, APPEARS SWOLLEN	PITUITARY (PI) : -HYPERPLASIA,-SLIGHT
		HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-SLIGHT
	STOMACH, GL (ST) : -LIGHT FOCUS(I)/AREA(S); MUCOSA: MULTIPLE GRAY AREAS, UP TO 2 X 1 MM	STOMACH, GL (ST) : >UNREMARKABLE
		ILEUM (IL) : -HYPERPLASIA, GALT (GUT ASSOCIATED LYMPHOID TISSUE),-MODERATE
		SKIN (SK) : -B-ADENOMA, BASAL CELL/SQUAMOUS/SEBACEOUS,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT
	UTERUS (UT) : -CYST(S); RIGHT HORN WITHIN WALL: MULTIPLE CLEAR FLUID FILLED CYSTS; UP TO 6 MM IN DIAMETER	UTERUS (UT) : -DILATATION,-MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92907 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 468.7 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 8:17 PROSECTOR: JOHN S. HALFORD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT LN, MEDIASTINAL (ML) : -HYPERPLASIA, LYMPHOPLASMACYTIC,- MODERATELY SEVERE LN, INGUINAL (IN) : >TISSUE MISSING
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: DARK RED (CAP 22)	LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,- MODERATE -HEMORRHAGE,-PRESENT
	CLITORAL GLAND (CL) : -MASS(ES); INVOLVING ENTIRE ORGAN: SINGLE MASS, 21 X 18 X 13 MM, RED, DARK RED, BLACK, AND SOFT; SAME ON CUT SURFACE (CAP 23); REGIONAL LN (INGUINAL) NORMAL (CAP 24) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	CLITORAL GLAND (CL) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL >NOTE:>SEE SKIN FOR DIAGNOSIS

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92907 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 468.7 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 8:17 PROSECTOR: JOHN S. HALFORD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92908 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 646 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 349.3 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 7:19 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>MASS(ES); VENTRAL-CERVICAL; WEEK 78; 20 X 20MM; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; RECUMBENT; LATERAL; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL
-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-MINERALIZATION, PELVIC,-MINIMAL
-MINERALIZATION, TUBULAR,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE
PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-SLIGHT
-INFILTRATION, FAT, INTERSTITIAL,-SLIGHT
ADRENAL, CORTEX (AC) :
-ANGIECTASIS,-SLIGHT
-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL
-PIGMENT,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92908 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 646 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 349.3 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 7:19 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, MEDULLA (MA) : -UNILATERALLY EXAMINED,-PRESENT THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT HEART (HT) : -METAPLASIA, OSSEOUS / CARTILAGINOUS,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-SLIGHT
	PITUITARY (PI) : -MASS(ES); 10 X 10 X 8 MM, RED, DARK RED AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT VENTRAL CERVICAL REGION: SINGLE MASS, 26 X 21 X 17 MM, RED, DARK RED, GREY, TAN AND SOFT; ON SECTION EXUDES A TAN, CREAMY SEMIFLUID MATERIAL; COLLECTED; REGIONAL LN (MANDIBULAR) NORMAL (CAP 21) -THICKENED; ALL REGIONS, DIFFUSE: TAN; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -M-CARCINOMA,-NEOPLASM PRESENT -CYST / GALACTOCELE,-PRESENT
		UTERUS (UT) : -DILATATION,-SLIGHT CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92908 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 646 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 349.3 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 7:19 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; RIGHT: DRY, RED MATERIAL -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92908 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/25/00 STUDY DAY OF DEATH: 646 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 349.3 GRAMS
DATE AND TIME OF NECROPSY: 01/25/00 7:19 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92909 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 468.5 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 10:06 PROSECTOR: TROY ELLENBECKER RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 98; 80 X 45MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-SLIGHT -HYPERPLASIA, BILE DUCT,-SLIGHT -FIBROSIS, PERIBILIARY,-MINIMAL
	KIDNEY (KD) : -LARGE PELVIS(ES); BILATERAL -DIFFUSELY LIGHT; BILATERAL: TAN	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT -DILATATION, PELVIC,-SLIGHT -MINERALIZATION, PELVIC,-MINIMAL -VACUOLATION, TUBULAR EPITHELIUM,-MODERATE
		SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATELY SEVERE
		PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-MODERATE -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
		ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-MODERATE -DEGENERATION, CYSTIC / HEMORRHAGIC,-MODERATE -PIGMENT,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92909 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 468.5 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 10:06 PROSECTOR: TROY ELLENBECKER RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LN, MESENTERIC (MS) : -HEMORRHAGE,-PRESENT -INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT THYMUS (TH) : >SECTION EXAMINED; TISSUE NOT PRESENT LUNG (LU) : -N-CARCINOMA,-NEOPLASM PRESENT PITUITARY (PI) : -HYPERPLASIA,-MINIMAL
	SKIN (SK) : >NOTE:>COLLECTED FROM RIGHT INGUINAL REGION DUE TO MF MASS MAMMARY, FEMALE (MF) : -MASS(ES); MID INGUINAL REGION EXTENDING TO PERIANAL REGION: SINGLE MASS, 120 X 50 X 35 MM (127.0 GRAMS), RED, DARK RED, TAN, LOBULATED AND SOFT; SAME ON CUT SURFACE; SOME SECTIONS EXUDE A TAN SEMIFLUID MATERIAL; COLLECTED INTACT; REGIONAL LN (INGUINAL) NOT IDENTIFIED >NOTE:>COLLECTED FROM RIGHT INGUINAL REGION DUE TO MF MASS	MAMMARY, FEMALE (MF) : -M-CARCINOMA,-NEOPLASM PRESENT -HYPERPLASIA, GLANDULAR,-MODERATE
		UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-MINIMAL VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92909 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 468.5 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 10:06 PROSECTOR: TROY ELLENBECKER RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		VAGINA (VA) : -I-CARCINOMA,-FROM MAMMARY, FEMALE
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, LUMBAR/ILIAC (LM) : -MOTTLED; BILATERAL: RED AND TAN (CAP 23)	LN, LUMBAR/ILIAC (LM) : -N-CARCINOMA,-FROM MAMMARY, FEMALE
	URETER (UE) : -LARGE; BILATERAL: EACH IS UP TO 1 MM IN DIAMETER (CAP 24)	URETER (UE) : >TISSUE MISSING
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -URINARY BLADDER-LARGE LUMEN; 40 X 25 X 20 MM	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92909 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 468.5 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 10:06 PROSECTOR: TROY ELLENBECKER RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92910 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 387.5 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 10:35 PROSECTOR: NANCY DIEDRICH RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0472	.0122 %	.0219	WEIGHT TAKEN
RT ADRENAL (AD1)	.0441	.0114 %	.0205	WEIGHT TAKEN
BRAIN (BR)	2.1542	.5559 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.3866	.3578 %	.6437	WEIGHT TAKEN
RT KIDNEY (KD1)	1.3904	.3588 %	.6454	WEIGHT TAKEN
LIVER (LI)	10.9820	2.8341 %	5.0979	WEIGHT TAKEN
LUNG (LU)	1.7913	.4623 %	.8315	WEIGHT TAKEN
LF OVARY (OV0)	.0259	.0067 %	.0120	WEIGHT TAKEN
RT OVARY (OV1)	.0379	.0098 %	.0176	WEIGHT TAKEN
SPLEEN (SP)	.5683	.1467 %	.2638	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0124	.0032 %	.0058	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0103	.0027 %	.0048	WEIGHT TAKEN
UTERUS (UT)	1.1855	.3059 %	.5503	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MALOCCLUSION; VERIFIED AT
NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

KIDNEY (KD) :
-MINERALIZATION, PELVIC,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MINIMAL
ADRENAL, CORTEX (AC) :
-DEGENERATION, CYSTIC / HEMORRHAGIC,-MODERATE
LUNG (LU) :
-INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92910 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 387.5 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 10:35 PROSECTOR: NANCY DIEDRICH RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LUNG (LU) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
	PITUITARY (PI) : -DARK FOCUS(I)/AREA(S); MID ASPECT: SINGLE DARK BROWN AREA, 5 X 2 MM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT -ANGIECTASIS,-PRESENT MAMMARY, FEMALE (MF) : -HYPERPLASIA, GLANDULAR,-MINIMAL -SECRETORY MATERIAL,-PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: DARK RED (CAP 20) GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN -MALOCCLUSION; BILATERAL UPPER INCISORS	LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,- MODERATELY SEVERE -HEMORRHAGE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92910 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 387.5 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 10:35 PROSECTOR: NANCY DIEDRICH RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92911 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 357.5 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 8:05 PROSECTOR: CHANESTA ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: NOT OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LIVER (LI) : -RED FOCUS(I)/AREA(S); DIAPHRAGMATIC SURFACE OF LEFT LATERAL LOBE: SINGLE DARK RED AREA, 9 X 6 MM; COLLECTED ON ROUTINE SECTION	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT -HYPERPLASIA, BILE DUCT,-MINIMAL -ANGIECTASIS,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-MINIMAL -MINERALIZATION, TUBULAR,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE -HYPERTROPHY, CORTICAL CELL,-SLIGHT -DEGENERATION, CYSTIC / HEMORRHAGIC,-SLIGHT -HYPERPLASIA, CORTICAL,-MINIMAL -PIGMENT,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92911 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 357.5 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 8:05 PROSECTOR: CHANESTA ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		HEART (HT) : -CARDIOMYOPATHY,-MINIMAL THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 6 X 5 X 3 MM, DARK RED, TAN, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT INGUINAL REGION: SINGLE MASS, 25 X 17 X 10 MM, DARK RED, RED, TAN, FIRM, AND GELATINOUS; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED -THICKENED; ALL REGIONS DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION -CYST(S); ALL REGIONS DIFFUSE: MULTIPLE WHITE CREAMY FLUID FILLED CYSTS; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -M-CARCINOMA,-NEOPLASM PRESENT -CYST / GALACTOCELE,-PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT
		UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-MINIMAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92911 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 357.5 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 8:05 PROSECTOR: CHANESTA ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92912 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 704.5 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 8:30 PROSECTOR: JAMES T. CALLEN RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 80; 90 X 100MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT
>SKIN & PELAGE; SORE/SCAB; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-MODERATE
		KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL
		SPLEEN (SP) : -PIGMENT, INCREASED,-MINIMAL -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE
		ADRENAL, CORTEX (AC) : -VACUOLATION, FOCAL,-MINIMAL -HYPERTROPHY, CORTICAL CELL,-MODERATE -DEGENERATION, CYSTIC / HEMORRHAGIC,-MODERATE -PIGMENT,-SLIGHT
	OVARY (OV) : -CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 5 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT -HYPERPLASIA, GRANULOSA CELL,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92912 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 704.5 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 8:30 PROSECTOR: JAMES T. CALLEN RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,-MODERATE MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-SLIGHT THYMUS (TH) : >TISSUE MISSING LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 7 X 7 X 5 MM, DARK RED AND FIRM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); EXTENDS FROM RIGHT INGUINAL TO LEFT INGUINAL REGION: SINGLE MASS, 115 X 75 X 30 MM (190.6 GRAMS), TAN, RED, LOBULATED, VASCULAR AND FIRM; SAME ON CUT SURFACE; PORTION COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED; OVERLYING SKIN HAS A TAN DRY CRUSTED AREA, 30 X 20 MM; COLLECTED INTACT WITH MASS	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT -HYPERPLASIA, GLANDULAR,-MINIMAL
	VAGINA (VA) : -SEMIFLUID MATERIAL; WITHIN LUMEN: CONTAINS A LIGHT GREEN SEMIFLUID MATERIAL	VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92912 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 704.5 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 8:30 PROSECTOR: JAMES T. CALLEN RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS | NECROPSY | HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-BONE MARROW SMEAR TAKEN

- - - -

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92913 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 406.9 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 7:38 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL; WEEK 91; 50 X 45MM; VERIFIED AT NECROPSY: OBSERVED		BRAIN (BR) :
		-COMPRESSION, VENTRAL,-PRESENT
		LIVER (LI) :
>SKIN & PELAGE; SORE/SCAB; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED		-INFILTRATE, LYMPHOHISTIOCYTIC,-SLIGHT
		-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MODERATE
		-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-SLIGHT
		-HYPERPLASIA, BILE DUCT,-SLIGHT
		-FIBROSIS, PERIBILIARY,-SLIGHT
		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
		-MINERALIZATION, PELVIC,-MINIMAL
		-HYPERPLASIA, TRANSITIONAL CELL,-MINIMAL
		SPLEEN (SP) :
		-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATELY SEVERE
	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
	-LARGE; RIGHT: 7 X 6 X 4 MM (LEFT IS 4 X 4 X 3 MM)	-HEMATOPOIESIS, EXTRAMEDULLARY,-SLIGHT
		-HYPERTROPHY, CORTICAL CELL,-SLIGHT
		-DEGENERATION, CYSTIC / HEMORRHAGIC,-MODERATE
		-PIGMENT,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92913 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 406.9 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 7:38 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,-MODERATE MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-MODERATE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -LARGE; 7 X 5 X 4 MM; APPEARS SWOLLEN	PITUITARY (PI) : >UNREMARKABLE HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
	SKIN (SK) : >NOTE:>ROUTINE SECTION COLLECTED FROM RIGHT INGUINAL REGION DUE TO MASS	
		MAMMARY, FEMALE (MF) : -M-CARCINOMA,-NEOPLASM PRESENT -CYST / GALACTOCELE,-PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92913 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 406.9 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 7:38 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 55 X 35 X 30 MM, RED, DARK RED, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED; OVERLYING SKIN HAS A SINGLE DARK RED AND MOIST ULCERATED AREA, 45 X 20 MM; COLLECTED INTACT WITH MASS; REGIONAL LN (INGUINAL) NOT IDENTIFIED >NOTE:>ROUTINE SECTION COLLECTED FROM RIGHT INGUINAL REGION DUE TO MASS	UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,- MODERATE VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-SEVERE CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92913 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 406.9 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 7:38 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92914 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 181.3 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 10:53 PROSECTOR: LYNN HORNER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LF KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	7.2302	3.9878 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LF OVARY (OV0)	--------	--------	--------	NOT TAKEN
RT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

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

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92914 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 181.3 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 10:53 PROSECTOR: LYNN HORNER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92915 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/18/00 STUDY DAY OF DEATH: 670 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 292.7 GRAMS
DATE AND TIME OF NECROPSY: 02/18/00 8:20 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>SKIN & PELAGE; SORE/SCAB; PAWS-HIND;
VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; NO FECES; VERIFIED AT
NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT
NECROPSY: NOT APPLICABLE
>EYES; RED DISCHARGE; EYES; VERIFIED AT
NECROPSY: OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-NECROSIS, INDIVIDUAL HEPATOCYTE,-
MINIMAL
-VACUOLATION, HEPATOCELLULAR,
PERIPORTAL,-MODERATE
-HYPERPLASIA, BILE DUCT,-MINIMAL
-FIBROSIS, PERIBILIARY,-MINIMAL
KIDNEY (KD) :
-MINERALIZATION, PELVIC,-SEVERE
-HYPERPLASIA, TRANSITIONAL CELL,-
MODERATE
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
-HEMATOPOIESIS, EXTRAMEDULLARY,
INCREASED,-SLIGHT
PANCREAS (PA) :
-HYPERPLASIA, ISLET CELLS,-MINIMAL
ADRENAL, CORTEX (AC) :
-VACUOLATION, FOCAL,-MINIMAL
-HYPERTROPHY, CORTICAL CELL,-SLIGHT
-PIGMENT,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92915 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/18/00 STUDY DAY OF DEATH: 670 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 292.7 GRAMS
DATE AND TIME OF NECROPSY: 02/18/00 8:20 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT HEART (HT) : -CARDIOMYOPATHY,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 11 X 10 X 6 MM, RED, DARK RED, TAN, GRAY, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) : -HYPERPLASIA, GLANDULAR,-SLIGHT
	CERVIX (CV) : -FIRM; DIFFUSE -LARGE; 10 X 6 X 5 MM	CERVIX (CV) : >UNREMARKABLE
		VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT -HYPERPLASIA, MUCINOUS,-SLIGHT CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	FOOT/FOOTPAD (FP) : -ABRASION(S)/ULCERATION(S); BILATERAL HINDFEET: SINGLE TAN AND MOIST AREA ON EACH, EACH IS 4 X 3 X 3 MM; BOTH COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	FOOT/FOOTPAD (FP) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE -ULCERATION,-SLIGHT -ACANTHOSIS / HYPERKERATOSIS,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92915 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/18/00 STUDY DAY OF DEATH: 670 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 292.7 GRAMS
DATE AND TIME OF NECROPSY: 02/18/00 8:20 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-DISCHARGE-OCULAR; BILATERAL: DARK RED
AND DRY

HISTOPATHOLOGY

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92916 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/28/00 STUDY DAY OF DEATH: 649 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 407.5 GRAMS
DATE AND TIME OF NECROPSY: 01/28/00 11:15 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 46; 15 X 15MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>MASS(ES); AXILLARY REGION-LEFT; WEEK 70; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>WART LIKE LESION(S); MOUTH; WEEK 75; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) :
>MASS(ES); INGUINAL REGION-RIGHT; WEEK 75; 50 X 40MM; VERIFIED AT NECROPSY: OBSERVED		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
>MASS(ES); INGUINAL REGION-LEFT; WEEK 84; 20 X 20MM; VERIFIED AT NECROPSY: OBSERVED		-HYPERPLASIA, BILE DUCT,-MINIMAL
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) :
>APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE		-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT
		-MINERALIZATION, PELVIC,-SLIGHT
		-MINERALIZATION, TUBULAR,-SLIGHT
		-HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT
		PANCREAS (PA) :
		-ATROPHY, ACINAR,-MINIMAL
	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
	-LARGE; LEFT: 4 X 3 X 3 MM (RIGHT IS 4 X 3 X 3 MM)	-HYPERTROPHY, CORTICAL CELL,-SLIGHT
		-DEGENERATION, CYSTIC / HEMORRHAGIC,-SLIGHT
		-PIGMENT,-SLIGHT
		ADRENAL, MEDULLA (MA) :
		-B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT
		MARROW, FEMUR (FM) :
		-HYPERPLASIA, MYELOID, MARROW,-MODERATE
		MARROW, STERNUM (SE) :
		-HYPERPLASIA, MYELOID, MARROW,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92916 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/28/00 STUDY DAY OF DEATH: 649 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 407.5 GRAMS
DATE AND TIME OF NECROPSY: 01/28/00 11:15 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE LUNG (LU) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-MINIMAL THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 10 X 5 X 4 MM, RED, DARK RED, GREY, TAN, LOBULATED AND SOFT; PORTIONS ADHERED TO BRAIN WITH MULTIPLE TAN FIBROUS ADHESIONS; COLLECTED INTACT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	SKIN (SK) : -CRUSTED AREA(S); ATTACHED TO LOWER RIGHT LIP: SINGLE DRY, BROWN CRUSTED AREA, 2 X 2 X 1 MM (CAP 21)	SKIN (SK) : -B-PAPILLOMA, SQUAMOUS CELL,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE TAN AND SOFT MASS, 16 X 11 X 7 MM; SAME ON CUT SURFACE (CAP 25); REGIONAL LN (AXILLARY) NORMAL (CAP 24)	MAMMARY, FEMALE (MF) : -M-CARCINOMA,- 3 NEOPLASMS PRESENT -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT -HYPERPLASIA, GLANDULAR,-MODERATE >NOTE:>MASS #1 IS THE FIBROADENOMA

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92916 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/28/00 STUDY DAY OF DEATH: 649 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 407.5 GRAMS
DATE AND TIME OF NECROPSY: 01/28/00 11:15 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS #2; RIGHT AXILLARY REGION: SINGLE MASS, 21 X 15 X 9 MM, RED, DARK RED, GREY, TAN, LOBULATED AND SOFT; ON SECTION EXUDES A DARK RED FLUID (CAP 26); REGIONAL LN (AXILLARY) NORMAL (CAP 24) -MASS #3; LEFT INGUINAL REGION: SINGLE MASS, 31 X 25 X 14 MM, RED, DARK RED, GREY, TAN, LOBULATED AND SOFT; SAME ON CUT SURFACE (CAP 27); REGIONAL LN (INGUINAL) LEFT NOT IDENTIFIED, RIGHT IS NORMAL (CAP 23) -MASS #4; RIGHT INGUINAL REGION: SINGLE MASS, 58 X 43 X 28 MM, RED, DARK RED, GREY, TAN, LOBULATED AND SOFT; SOME SECTIONS EXUDE A TAN, CREAMY SEMIFLUID; COLLECTED INTACT; REGIONAL LN (INGUINAL) NORMAL (CAP 23)	CAUSE OF DEATH (CD) : -NEOPLASM, MAMMARY GLAND,-PRESENT LN, INGUINAL (IN) : >TISSUE MISSING >NOTE:>PIECE OF TISSUE THOUGHT TO BE LYMPH NODE IS ACTUALLY A PORTION OF THE MAMMARY TUMOR FOOT/FOOTPAD (FP) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE -B-FIBROMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92916 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/28/00 STUDY DAY OF DEATH: 649 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 407.5 GRAMS
DATE AND TIME OF NECROPSY: 01/28/00 11:15 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	FOOT/FOOTPAD (FP) : -CRUSTED AREA(S); RIGHT HINDFOOT: SINGLE DRY, DARK RED CRUSTED AREA, 6 X 5 X 3 MM; SURROUNDING TISSUE APPEARS SWOLLEN (CAP 22) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY, RED MATERIAL -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92916 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/28/00 STUDY DAY OF DEATH: 649 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 407.5 GRAMS
DATE AND TIME OF NECROPSY: 01/28/00 11:15 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92917 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 523.6 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 10:16 PROSECTOR: JOHN S. HALFORD RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0691	.0132 %	.0319	WEIGHT TAKEN
RT ADRENAL (AD1)	.0419	.0080 %	.0194	WEIGHT TAKEN
BRAIN (BR)	2.1639	.4133 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.5698	.2998 %	.7254	WEIGHT TAKEN
RT KIDNEY (KD1)	1.5702	.2999 %	.7256	WEIGHT TAKEN
LIVER (LI)	14.4167	2.7534 %	6.6624	WEIGHT TAKEN
LUNG (LU)	1.8308	.3497 %	.8461	WEIGHT TAKEN
LF OVARY (OV0)	.0734	.0140 %	.0339	WEIGHT TAKEN
RT OVARY (OV1)	.1023	.0195 %	.0473	WEIGHT TAKEN
SPLEEN (SP)	.6282	.1200 %	.2903	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0112	.0021 %	.0052	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0154	.0029 %	.0071	WEIGHT TAKEN
UTERUS (UT)	1.5030	.2871 %	.6946	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-
MINIMAL
-MINERALIZATION, PELVIC,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATELY SEVERE
-HEMATOPOIESIS, EXTRAMEDULLARY,
INCREASED,-SLIGHT
PANCREAS (PA) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92917 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 523.6 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 10:16 PROSECTOR: JOHN S. HALFORD RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

PANCREAS (PA) :
-MASS(ES); AT CRANIAL END: SINGLE MASS, 19 X 15 X 8 MM, TAN LOBULATED AND FIRM; SAME ON CUT SURFACE (CAP 20); REGIONAL LN (PANCREATIC) NOT IDENTIFIED
ADRENAL, CORTEX (AC) :
-CYST(S); TRIMMING COMMENT: ADRENAL HAS A SINGLE CYST, 2 MM IN DIAMETER
PITUITARY (PI) :
-LARGE; 5 X 4 X 4 MM; APPEARS SWOLLEN
MAMMARY, FEMALE (MF) :
-CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE WHITE AND CREAMY SEMIFLUID FILLED CYSTS, UP TO 6 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION
UTERUS (UT) :
-THICKENED WALL; BILATERAL, DIFFUSE
LN, MANDIBULAR (MN) :
-DIFFUSELY RED; BILATERAL: DARK RED; COLLECTED
GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

PANCREAS (PA) :
-NECROSIS / INFLAMMATION, ADIPOSE TISSUE,-PRESENT
ADRENAL, CORTEX (AC) :
-DEGENERATION, CYSTIC / HEMORRHAGIC,-MODERATE
LUNG (LU) :
-MINERALIZATION, VASCULAR,-MINIMAL
PITUITARY (PI) :
-B-ADENOMA,-NEOPLASM PRESENT
-ANGIECTASIS,-PRESENT
MAMMARY, FEMALE (MF) :
-CYST / GALACTOCELE,-PRESENT
-HYPERPLASIA, GLANDULAR,-MODERATE
-SECRETORY MATERIAL,-PRESENT
UTERUS (UT) :
>UNREMARKABLE
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT
LN, MANDIBULAR (MN) :
-HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE
-HEMORRHAGE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92917 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 523.6 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 10:16 PROSECTOR: JOHN S. HALFORD RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92918 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/09/99 STUDY DAY OF DEATH: 508 STUDY WEEK OF DEATH: 73 TERMINAL BODY WEIGHT: 347.3 GRAMS
DATE AND TIME OF NECROPSY: 09/09/99 14:24 PROSECTOR: TONY HANFELD RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE >EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED >BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE >APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) PITUITARY (PI) : -MASS(ES); SINGLE MASS, 11 X 9 X 5 MM, DARK RED, TAN AND SOFT	BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -CYST, BILIARY,-PRESENT KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE ADRENAL, CORTEX (AC) : -PIGMENT,-MINIMAL THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92918 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/09/99 STUDY DAY OF DEATH: 508 STUDY WEEK OF DEATH: 73 TERMINAL BODY WEIGHT: 347.3 GRAMS
DATE AND TIME OF NECROPSY: 09/09/99 14:24 PROSECTOR: TONY HANFELD RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-DISCHARGE-OCULAR; BILATERAL: DRY RED MATERIAL
-ANIMAL THIN

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-NEOPLASM, PITUITARY,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92918 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/09/99 STUDY DAY OF DEATH: 508 STUDY WEEK OF DEATH: 73 TERMINAL BODY WEIGHT: 347.3 GRAMS
DATE AND TIME OF NECROPSY: 09/09/99 14:24 PROSECTOR: TONY HANFELD RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92919 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 234.6 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 9:13 PROSECTOR: LYNN HORNER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LF KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	9.0816	3.8714 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LF OVARY (OV0)	--------	--------	--------	NOT TAKEN
RT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

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

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92919 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 234.6 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 9:13 PROSECTOR: LYNN HORNER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92920 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/30/99 STUDY DAY OF DEATH: 498 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: 299.2 GRAMS
DATE AND TIME OF NECROPSY: 08/30/99 13:55 PROSECTOR: DENNIS HOFFMAN RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE >APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LIVER (LI) : -DIFFUSELY LIGHT; ALL LOBES: TAN -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE RED AREAS, UP TO 3 X 4 MM; COLLECTED ON ROUTINE SECTIONS KIDNEY (KD) : -CYST(S); RIGHT, CORTICAL SURFACE: SINGLE CLEAR FLUID FILLED CYST, 2 MM IN DIAMETER PITUITARY (PI) : -MASS(ES); SINGLE MASS, 7 X 9 X 9 MM, SOFT, RED, DARK RED, TAN AND BROWN	BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MODERATELY SEVERE KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92920 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/30/99 STUDY DAY OF DEATH: 498 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: 299.2 GRAMS
DATE AND TIME OF NECROPSY: 08/30/99 13:55 PROSECTOR: DENNIS HOFFMAN RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: MULTIPLE TAN ERODED AREAS, UP TO 1 X 3 MM	STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-MODERATE -ULCERATION,-MINIMAL -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
	MAMMARY, FEMALE (MF) : -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION -CYST(S); ALL REGION, DIFFUSE: MULTIPLE WHITE FLUID FILLED CYSTS, UP TO 4 MM IN DIAMETER (CAP 20)	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
	VAGINA (VA) : -SEMIFLUID MATERIAL; WITHIN LUMEN: LIGHT GREEN MUCOID MATERIAL	VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92920 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/30/99 STUDY DAY OF DEATH: 498 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: 299.2 GRAMS
DATE AND TIME OF NECROPSY: 08/30/99 13:55 PROSECTOR: DENNIS HOFFMAN RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92921 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/17/99 STUDY DAY OF DEATH: 393 STUDY WEEK OF DEATH: 57 TERMINAL BODY WEIGHT: 299.9 GRAMS
DATE AND TIME OF NECROPSY: 05/17/99 14:22 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>MASS(ES); AXILLARY REGION-LEFT; WEEK 48; 15 X 15MM; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: NOT OBSERVED
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: NOT OBSERVED
>SKIN & PELAGE; SORE/SCAB; AXILLARY REGION-LEFT; VERIFIED AT NECROPSY: OBSERVED
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

PITUITARY (PI) :
-MASS(ES); 15 X 8 X 8 MM, DARK RED, GREY AND SOFT

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL
KIDNEY (KD) :
-MINERALIZATION, PELVIC,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
ADRENAL, CORTEX (AC) :
-ANGIECTASIS,-MODERATELY SEVERE
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT
THYROID (TY) :
-B-ADENOMA, C-CELL,-NEOPLASM PRESENT
PITUITARY (PI) :
-B-ADENOMA,-NEOPLASM PRESENT

SKIN (SK) :
>UNREMARKABLE
>NOTE:>SEE MAMMARY GLAND FOR DIAGNOSIS

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92921 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/17/99 STUDY DAY OF DEATH: 393 STUDY WEEK OF DEATH: 57 TERMINAL BODY WEIGHT: 299.9 GRAMS
DATE AND TIME OF NECROPSY: 05/17/99 14:22 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	SKIN (SK) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 30 X 20 X 18 MM, RED, TAN AND SOFT; SAME ON CUT SURFACE; COLLECTED INTACT; OVERLYING SKIN IS BLACK AND CRUSTED; COLLECTED WITH MASS; REGIONAL LN (AXILLARY) NORMAL (CAP 20)	
		MAMMARY, FEMALE (MF) : -M-CARCINOMA,-NEOPLASM PRESENT -CYST / GALACTOCELE,-PRESENT -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL -HYPERPLASIA, GLANDULAR,-MINIMAL CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92921 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/17/99 STUDY DAY OF DEATH: 393 STUDY WEEK OF DEATH: 57 TERMINAL BODY WEIGHT: 299.9 GRAMS
DATE AND TIME OF NECROPSY: 05/17/99 14:22 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92922 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 454.9 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 10:53 PROSECTOR: KEVIN BILLINGS RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0303	.0067 %	.0136	WEIGHT TAKEN
RT ADRENAL (AD1)	.0315	.0069 %	.0141	WEIGHT TAKEN
BRAIN (BR)	2.2274	.4896 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.3199	.2902 %	.5926	WEIGHT TAKEN
RT KIDNEY (KD1)	1.4231	.3128 %	.6389	WEIGHT TAKEN
LIVER (LI)	11.3904	2.5039 %	5.1138	WEIGHT TAKEN
LUNG (LU)	1.6016	.3521 %	.7190	WEIGHT TAKEN
LF OVARY (OV0)	.0896	.0197 %	.0402	WEIGHT TAKEN
RT OVARY (OV1)	.0890	.0196 %	.0400	WEIGHT TAKEN
SPLEEN (SP)	.6828	.1501 %	.3065	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0105	.0023 %	.0047	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0145	.0032 %	.0065	WEIGHT TAKEN
UTERUS (UT)	.7457	.1639 %	.3348	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL
-VACUOLATION, HEPATOCELLULAR,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE
ADRENAL, CORTEX (AC) :
-DEGENERATION, CYSTIC / HEMORRHAGIC,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92922 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 454.9 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 10:53 PROSECTOR: KEVIN BILLINGS RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LUNG (LU) : -HEMORRHAGE,-PRESENT -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT -SECRETORY MATERIAL,-PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92922 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 454.9 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 10:53 PROSECTOR: KEVIN BILLINGS RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92923 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 374.6 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 9:35 PROSECTOR: TODD ACKER RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0305	.0081 %	.0143	WEIGHT TAKEN
RT ADRENAL (AD1)	.0273	.0073 %	.0128	WEIGHT TAKEN
BRAIN (BR)	2.1318	.5691 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.0985	.2932 %	.5153	WEIGHT TAKEN
RT KIDNEY (KD1)	1.1508	.3072 %	.5398	WEIGHT TAKEN
LIVER (LI)	9.0597	2.4185 %	4.2498	WEIGHT TAKEN
LUNG (LU)	1.3671	.3649 %	.6413	WEIGHT TAKEN
LF OVARY (OV0)	.0361	.0096 %	.0169	WEIGHT TAKEN
RT OVARY (OV1)	.0412	.0110 %	.0193	WEIGHT TAKEN
SPLEEN (SP)	.5812	.1552 %	.2726	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0102	.0027 %	.0048	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0114	.0030 %	.0053	WEIGHT TAKEN
UTERUS (UT)	1.1680	.3118 %	.5479	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>SKIN & PELAGE; SORE/SCAB; DORSAL-
THORACIC-RIGHT; VERIFIED AT NECROPSY:
OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERPLASIA, BILE DUCT,-MINIMAL
-INFLAMMATION, SUBACUTE,-MINIMAL
KIDNEY (KD) :
-MINERALIZATION, PELVIC,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATELY SEVERE
STOMACH, GL (ST) :
-EDEMA,-MINIMAL
-INFLAMMATION, ACUTE,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92923 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 374.6 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 9:35 PROSECTOR: TODD ACKER RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	SKIN (SK) : -CRUSTED AREA(S); RIGHT DORSAL LUMBAR REGION: SINGLE RED AND TAN AREA, 12 X 8 MM (CAP 20)	SKIN (SK) : -ACANTHOSIS/HYPERKERATOSIS,-MINIMAL -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT -ULCERATION,-MODERATE MAMMARY, FEMALE (MF) : -SECRETORY MATERIAL,-PRESENT
	CERVIX (CV) : -MASS(ES); RIGHT SIDE OF SEROSAL SURFACE, SINGLE MASS, 4 MM IN DIAMETER, TAN AND FIRM, SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (LUMBAR) NOT IDENTIFIED	CERVIX (CV) : -CYST, SQUAMOUS,-PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92923 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 374.6 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 9:35 PROSECTOR: TODD ACKER RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92924 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/29/99 STUDY DAY OF DEATH: 589 STUDY WEEK OF DEATH: 85 TERMINAL BODY WEIGHT: 477.2 GRAMS
DATE AND TIME OF NECROPSY: 11/29/99 15:04 PROSECTOR: TERRI L. WILLIAMS RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); LIMB-HIND-LEFT; WEEK 83; 80 X 60MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : >UNREMARKABLE LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-SLIGHT SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-SLIGHT
	ADRENAL, CORTEX (AC) : -DARK FOCUS(I)/AREA(S); RIGHT, CORTEX: TWO BROWN SLIGHTLY RAISED AREAS, EACH IS 2 MM IN DIAMETER	ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC / HEMORRHAGIC,-MODERATE -PIGMENT,-MODERATE -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92924 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/29/99 STUDY DAY OF DEATH: 589 STUDY WEEK OF DEATH: 85 TERMINAL BODY WEIGHT: 477.2 GRAMS
DATE AND TIME OF NECROPSY: 11/29/99 15:04 PROSECTOR: TERRI L. WILLIAMS RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,-MODERATE MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-SLIGHT THYMUS (TH) : >SECTION EXAMINED; TISSUE NOT PRESENT HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
	MUSCLE, SKELETAL (SM) : >NOTE:>THIGH MUSCLE: ROUTINE SECTION TAKEN FROM RIGHT THIGH, DUE TO MASS	
	NERVE, SCIATIC (SN) : >NOTE:>ROUTINE SECTION TAKEN FROM RIGHT SIDE DUE TO MASS	NERVE, SCIATIC (SN) : >TISSUE MISSING
	PITUITARY (PI) : -MASS(ES); 7 X 7 X 5 MM, RED, DARK RED, TAN, GREY, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL SKIN (SK) : -M-FIBROSARCOMA,-NEOPLASM PRESENT MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT >NOTE:>ALSO SEE CLITORAL GLAND SEE SKIN FOR DIAGNOSIS OF MASS

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92924 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/29/99 STUDY DAY OF DEATH: 589 STUDY WEEK OF DEATH: 85 TERMINAL BODY WEIGHT: 477.2 GRAMS
DATE AND TIME OF NECROPSY: 11/29/99 15:04 PROSECTOR: TERRI L. WILLIAMS RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL AREA, EXTENDING OVER LEFT FLANK: SINGLE MASS, 70 X 70 X 55 MM, RED, DARK RED, TAN, LOBULATED, AND CYSTIC; SOME SECTIONS EXUDE A DARK RED FLUID; PORTION COLLECTED; REGIONAL LN (INGUINAL) NORMAL (CAP 21); OVERLYING SKIN HAS A SINGLE BLACK CRUSTED AREA, 40 X 25; COLLECTED INTACT WITH MASS -THICKENED; ALL REGIONS DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION -CYST(S); ALL REGIONS DIFFUSE: MULTIPLE TAN CREAMY FLUID FILLED CYSTS, UP TO 8 MM IN DIAMETER; COLLECTED	
		VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-MODERATELY SEVERE CAUSE OF DEATH (CD) : -NEOPLASM, SKIN/MUSCLE/SUBCUTIS,-PRESENT LN, INGUINAL (IN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT CLITORAL GLAND (CL) : -ECTASIA, DUCTAL,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92924 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/29/99 STUDY DAY OF DEATH: 589 STUDY WEEK OF DEATH: 85 TERMINAL BODY WEIGHT: 477.2 GRAMS
DATE AND TIME OF NECROPSY: 11/29/99 15:04 PROSECTOR: TERRI L. WILLIAMS RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92925 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 551.5 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 7:28 PROSECTOR: TROY ELLENBECKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>MASS(ES); INGUINAL REGION-RIGHT; WEEK 84; 80 X 80MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); VENTRAL-ABDOMINAL; WEEK 92; 15 X 15MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 99; 20 X 20MM; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; SORE/SCAB; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT
-HYPERPLASIA, BILE DUCT,-SLIGHT
-FIBROSIS, PERIBILIARY,-SLIGHT
-HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT
-MINERALIZATION, PELVIC,-MODERATE
-HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT
SPLEEN (SP) :
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATELY SEVERE
PANCREAS (PA) :
-HYPERTROPHY / BASOPHILIA, ACINAR CELL,-MINIMAL
ADRENAL, CORTEX (AC) :
-PIGMENT,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92925 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 551.5 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 7:28 PROSECTOR: TROY ELLENBECKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,-MODERATELY SEVERE MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-MODERATE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-SLIGHT THYROID (TY) : -HYPERPLASIA, C-CELL,-SLIGHT
	PITUITARY (PI) : -MASS(ES); 10 X 8 X 6 MM, RED, DARK RED, TAN, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT -HYPERPLASIA,-SLIGHT
		HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE BROWN LINEAR AREAS, UP TO 3 X 1 MM	STOMACH, GL (ST) : >UNREMARKABLE
		MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT -B-ADENOMA,- 2 NEOPLASMS PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92925 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 551.5 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 7:28 PROSECTOR: TROY ELLENBECKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 25 X 15 X 10 MM, RED, TAN, AND SOFT; ON SECTION EXUDES A TAN CASEOUS SEMIFLUID (CAP 22); REGIONAL LN (AXILLARY) NORMAL (CAP 23) -MASS #2; LEFT INGUINAL REGION: SINGLE MASS, 35 X 20 X 10 MM, RED, TAN, AND FIRM; SAME ON CUT SURFACE (CAP 24); REGIONAL LN (INGUINAL) NOT IDENTIFIED -MASS #3; MID INGUINAL REGION EXTENDING TO PERIANAL REGION: SINGLE MASS, 110 X 85 X 30 MM (155.0 GRAMS), RED, DARK RED, AND FIRM; SAME ON CUT SURFACE; OVERLYING SKIN HAS MULTIPLE MOIST BROWN ERODED AREAS, UP TO 25 MM IN DIAMETER; COLLECTED WITH MASS; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : >NOTE:>MASS #1 IS AN ADENOMA MASS #3 IS A FIBROADENOMA MASS #2 CONTAINS BOTH FIBROADENOMA AND ADENOMA VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; RIGHT; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	LN, MANDIBULAR (MN) : -HEMORRHAGE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92925 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 551.5 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 7:28 PROSECTOR: TROY ELLENBECKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS | NECROPSY | HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92926 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 203.0 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 10:34 PROSECTOR: JODI THIEREN RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LF KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	7.4195	3.6553 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LF OVARY (OV0)	--------	--------	--------	NOT TAKEN
RT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

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

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92926 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 203.0 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 10:34 PROSECTOR: JODI THIEREN RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92927 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 389.3 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 11:15 PROSECTOR: JERALD W. JOHNSON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 88; 40 X 40MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -MINERALIZATION,-MINIMAL
>MASS(ES); VENTRAL-THORACIC-RIGHT; WEEK 91; 80 X 50MM MASSES APPEAR TO HAVE GROWN TOGETHER; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -HEMATOPOIESIS, EXTRAMEDULLARY,-SLIGHT -HYPERPLASIA, BILE DUCT,-SLIGHT -FIBROSIS, PERIBILIARY,-SLIGHT
>MASS(ES); INGUINAL REGION-RIGHT; WEEK 94; 25 X 20MM; VERIFIED AT NECROPSY: OBSERVED		
>SKIN & PELAGE; BLACK SKIN; VENTRAL-THORACIC; VERIFIED AT NECROPSY: OBSERVED	KIDNEY (KD) : -LARGE PELVIS(ES); BILATERAL -DIFFUSELY DARK; BILATERAL: DARK BROWN	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -DILATATION, PELVIC,-SEVERE -DEGENERATION TUBULAR,-SLIGHT
>MASS(ES); INGUINAL REGION-LEFT; WEEK 105; 15 X 15MM; VERIFIED AT NECROPSY: OBSERVED	SPLEEN (SP) : -LARGE; 57 X 15 X 8 MM	SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SEVERE
	ADRENAL, CORTEX (AC) : -LARGE; LEFT: 9 X 7 X 7 MM (RIGHT IS 5 X 3 X 3 MM) -DIFFUSELY RED; LEFT: DARK RED	ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-MODERATELY SEVERE -DEGENERATION, CYSTIC / HEMORRHAGIC,-SEVERE -PIGMENT,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92927 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 389.3 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 11:15 PROSECTOR: JERALD W. JOHNSON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,-SEVERE MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-SEVERE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
	PITUITARY (PI) : -LARGE; 7 X 5 X 5 MM; APPEARS SWOLLEN -RED FOCUS(I)/AREA(S); DIFFUSE: MULTIPLE DARK RED AREAS, UP TO 1 MM IN DIAMETER	PITUITARY (PI) : -HYPERPLASIA,-MODERATE
	MAMMARY, FEMALE (MF) : -MASS(ES); VENTRAL THORACIC REGION: SINGLE MASS, 70 X 35 X 20 MM, RED, DARK RED, TAN, GREY, LOBULATED AND FIRM; SAME ON CUT SURFACE; OVERLYING SKIN HAS A SINGLE ULCERATED AREA, 50 X 30 MM; COLLECTED INTACT WITH MASS (CAP 22); REGIONAL LN (SEE AXILLARY) -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT -FIBROSIS,-MODERATELY SEVERE >NOTE:>MASS #1 CONSISTS OF INFLAMMATION AND FIBROSIS

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92927 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 389.3 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 11:15 PROSECTOR: JERALD W. JOHNSON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS #2; RIGHT AXILLARY REGION: SINGLE MASS, 50 X 50 X 35 MM, RED, TAN, GREY, FIRM AND LOBULATED; SAME ON CUT SURFACE; PORTION COLLECTED; REGIONAL LN (SEE AXILLARY) -MASS #3; RIGHT INGUINAL REGION AND LEFT PERIANAL REGION: TWO MASSES, RIGHT INGUINAL IS 40 X 25 X 20 MM, LEFT PERIANAL IS 25 X 20 X 15 MM, BOTH ARE RED, TAN, GREY AND FIRM; BOTH ARE SAME ON CUT SURFACE; RIGHT INGUINAL COLLECTED; REGIONAL LN (LEFT INGUINAL) NORMAL (CAP 23); RIGHT NOT IDENTIFIED	
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, AXILLARY (AX) : -LARGE; BILATERAL: EACH IS 10 X 8 X 3 MM (CAP 24)	LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SEVERE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -GI TRACT-DARK FLUID CONTENT; DUODENUM, JEJUNUM, ILEUM, CECUM AND COLON: FILLED WITH A DARK GREEN SEMIFLUID MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92927 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 389.3 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 11:15 PROSECTOR: JERALD W. JOHNSON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN), LN, INGUINAL (IN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92928 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/15/99 STUDY DAY OF DEATH: 575 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: 460.4 GRAMS
DATE AND TIME OF NECROPSY: 11/15/99 13:18 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>EYES; RED DISCHARGE; EYES; VERIFIED AT
NECROPSY: OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT
NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT
NECROPSY: NOT APPLICABLE
>BEHAVIOR; ATAXIC; VERIFIED AT
NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

EYE (EY) :
-DYSTROPHY, CORNEAL IN EARLY STAGES, CONSISTS PRIMARILY OF FOCAL MINERALIZATION,-MINIMAL
-INFLAMMATION, ACUTE,-MINIMAL
BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
-HEMORRHAGE,-MINIMAL
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MODERATE
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
KIDNEY (KD) :
-MINERALIZATION, PELVIC,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
PANCREAS (PA) :
-INFILTRATION, FAT, INTERSTITIAL,-MINIMAL
ADRENAL, CORTEX (AC) :
-HYPERTROPHY, CORTICAL CELL,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92928 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/15/99 STUDY DAY OF DEATH: 575 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: 460.4 GRAMS
DATE AND TIME OF NECROPSY: 11/15/99 13:18 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE ESOPHAGUS (ES) : -HYPERKERATOSIS,-MODERATE THYROID (TY) : -HYPERPLASIA, C-CELL,-SLIGHT
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 15 X 10 X 8 MM, DARK RED, RED, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: SINGLE RED ERODED AREA, 10 X 4 MM	STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-SLIGHT -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT MAMMARY, FEMALE (MF) : -HYPERPLASIA, GLANDULAR,-SLIGHT CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	LN, MANDIBULAR (MN) : -MOTTLED; LEFT: RED AND TAN; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY	LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92928 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/15/99 STUDY DAY OF DEATH: 575 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: 460.4 GRAMS
DATE AND TIME OF NECROPSY: 11/15/99 13:18 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92929 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/08/99 STUDY DAY OF DEATH: 415 STUDY WEEK OF DEATH: 60 TERMINAL BODY WEIGHT: 279.4 GRAMS
DATE AND TIME OF NECROPSY: 06/08/99 14:55 PROSECTOR: GREGORY CODDINGTON RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-DILATATION, VENTRICULAR,-PRESENT
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED		-COMPRESSION, VENTRAL,-PRESENT
		LIVER (LI) :
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		KIDNEY (KD) :
		-MINERALIZATION, PELVIC,-MINIMAL
		SPLEEN (SP) :
		-PIGMENT, INCREASED,-MINIMAL
		ADRENAL, CORTEX (AC) :
		-VACUOLATION, FOCAL,-MINIMAL
		-HYPERTROPHY, CORTICAL CELL,-MINIMAL
		MARROW, STERNUM (SE) :
		-HYPERPLASIA, MYELOID, MARROW,-SLIGHT
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 13 X 8 X 8 MM, RED, DARK RED, TAN AND SOFT	-B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) :
		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		CAUSE OF DEATH (CD) :
		-NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) :	
	-BLOOD FILM TAKEN	
	-MALOCCLUSION; RIGHT UPPER INCISOR	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92929 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/08/99 STUDY DAY OF DEATH: 415 STUDY WEEK OF DEATH: 60 TERMINAL BODY WEIGHT: 279.4 GRAMS
DATE AND TIME OF NECROPSY: 06/08/99 14:55 PROSECTOR: GREGORY CODDINGTON RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92930 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 631.8 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 9:35 PROSECTOR: GREGORY CODDINGTON RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0457	.0072 %	.0214	WEIGHT TAKEN
RT ADRENAL (AD1)	.0386	.0061 %	.0180	WEIGHT TAKEN
BRAIN (BR)	2.1404	.3388 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.8673	.2956 %	.8724	WEIGHT TAKEN
RT KIDNEY (KD1)	1.9836	.3140 %	.9267	WEIGHT TAKEN
LIVER (LI)	18.5142	2.9304 %	8.6499	WEIGHT TAKEN
LUNG (LU)	1.5595	.2468 %	.7286	WEIGHT TAKEN
LF OVARY (OV0)	.0605	.0096 %	.0283	WEIGHT TAKEN
RT OVARY (OV1)	.0605	.0096 %	.0283	WEIGHT TAKEN
SPLEEN (SP)	.6350	.1005 %	.2967	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0206	.0033 %	.0096	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0220	.0035 %	.0103	WEIGHT TAKEN
UTERUS (UT)	.9256	.1465 %	.4324	WEIGHT TAKEN

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

LAST CLINICAL OBSERVATIONS

>SKIN & PELAGE; SORE/SCAB; DORSAL-THORACIC-RIGHT; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
>NOTE:>SOME EXTENSION OF THE PITUITARY MASS INTO WHAT APPEARS TO BE A RECESS OF THE PIA MATER. THIS WAS NOT INTERPRETED TO BE ACTUAL INVASION OF THE BRAIN.
LIVER (LI) :
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92930 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 631.8 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 9:35 PROSECTOR: GREGORY CODDINGTON RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT -MINERALIZATION, PELVIC,-MODERATE -MINERALIZATION, TUBULAR,-MINIMAL -PIGMENT, TUBULAR,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE ADRENAL, CORTEX (AC) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
	PITUITARY (PI) : -LARGE; 8 X 7 X 5 MM; APPEARS SWOLLEN	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	SKIN (SK) : -CRUSTED AREA(S); RIGHT DORSAL LUMBAR: SINGLE TAN, DRY CRUSTED AREA, 23 X 7 MM (CAP 21) -LIGHT AREA(S)/FOCUS(I); MID DORSAL LUMBAR REGION: SINGLE TAN AREA, 25 X 7 MM (CAP 22)	STOMACH, GL (ST) : -INFLAMMATION, ACUTE,-MINIMAL SKIN (SK) : -ACANTHOSIS/HYPERKERATOSIS,-SLIGHT -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT -ULCERATION,-SLIGHT -HEMORRHAGE,-PRESENT -DEGENERATION, MUSCLE, SUBCUTANEOUS,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92930 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 631.8 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 9:35 PROSECTOR: GREGORY CODDINGTON RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE TAN CREAMY SEMIFLUID FILLED CYSTS, UP TO 12 X 10 X 8 MM (CAP 20)	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -SECRETORY MATERIAL,-PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92930 SEX: FEMALE DOSE GROUP: 1 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 631.8 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 9:35 PROSECTOR: GREGORY CODDINGTON RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92931 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 08/22/99 STUDY DAY OF DEATH: 490 STUDY WEEK OF DEATH: 70 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 08/22/99 14:45 PROSECTOR: KEVIN BILLINGS RECORDER: KEVIN BILLINGS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS

>MASS(ES); AXILLARY REGION-RIGHT; WEEK 69; 15 X 15MM; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-CONGESTION,-PRESENT
-VACUOLATION, HEPATOCELLULAR,-MODERATE
KIDNEY (KD) :
-MINERALIZATION, PELVIC,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
PANCREAS (PA) :
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
ADRENAL, CORTEX (AC) :
-ANGIECTASIS,-MODERATE
-HYPERTROPHY, CORTICAL CELL,-MINIMAL
THYMUS (TH) :
-HEMORRHAGE,-PRESENT
-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT
LUNG (LU) :
-CONGESTION,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92931 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 08/22/99 STUDY DAY OF DEATH: 490 STUDY WEEK OF DEATH: 70 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 08/22/99 14:45 PROSECTOR: KEVIN BILLINGS RECORDER: KEVIN BILLINGS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 8 X 6 X 6 MM, RED, GRAY, SOFT AND LOBULATED	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 15 X 10 X 8 MM, RED, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 21)	MAMMARY, FEMALE (MF) : -B-ADENOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92931 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 08/22/99 STUDY DAY OF DEATH: 490 STUDY WEEK OF DEATH: 70 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 08/22/99 14:45 PROSECTOR: KEVIN BILLINGS RECORDER: KEVIN BILLINGS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92932 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/29/99 STUDY DAY OF DEATH: 285 STUDY WEEK OF DEATH: 41 TERMINAL BODY WEIGHT: 260.1 GRAMS
DATE AND TIME OF NECROPSY: 01/29/99 15:03 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 18; 45 X 35MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) :
		-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL
		-HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-MODERATE
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 25; 50 X 50MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) :
		-MINERALIZATION, PELVIC,-MINIMAL
		-REGENERATION, TUBULAR EPITHELIUM,-MINIMAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		
		-VACUOLATION, TUBULAR EPITHELIUM,-MINIMAL
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		
		-KARYOMEGALY, TUBULAR CELL,-SLIGHT
>SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE		SPLEEN (SP) :
		-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE
>SKIN & PELAGE; SORE/SCAB; VENTRAL-ABDOMINAL-LEFT; VERIFIED AT NECROPSY: OBSERVED	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
	-LARGE; BILATERAL: EACH IS 6 MM IN DIAMETER	-ANGIECTASIS,-MODERATE
		ADRENAL, MEDULLA (MA) :
		-HYPERPLASIA, MEDULLARY,-MINIMAL
		LN, MESENTERIC (MS) :
		-HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE
		MARROW, FEMUR (FM) :
		-HYPERPLASIA, ERYTHROID, MARROW,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92932 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/29/99 STUDY DAY OF DEATH: 285 STUDY WEEK OF DEATH: 41 TERMINAL BODY WEIGHT: 260.1 GRAMS
DATE AND TIME OF NECROPSY: 01/29/99 15:03 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE
	PITUITARY (PI) : -LARGE; 5 X 5 X 3 MM, APPEARS SWOLLEN -DARK FOCUS(I)/AREA(S); MID POSTERIOR ASPECT: SINGLE GREY FOCUS, 1 MM IN DIAMETER	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT -ANGIECTASIS,-PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); ENTIRE ABDOMINAL REGION, EXTENDING TO VULVA AND LEFT HIND LEG: SINGLE MASS, 90 X 50 X 30 MM, RED, DARK RED, TAN, BROWN, FIRM, AND LOBULATED; SAME ON CUT SURFACE; ON SECTION, SOME AREAS EXUDED A DARK BROWN SEMIFLUID; COLLECTED; OVERLYING SKIN HAS MULTIPLE DARK RED AND BROWN ABRADED AREAS, UP TO 40 X 20 MM; COLLECTED INTACT WITH MASS; REGIONAL LN (INGUINAL) NORMAL	MAMMARY, FEMALE (MF) : -M-CARCINOMA,-NEOPLASM PRESENT -CYST / GALACTOCELE,-PRESENT -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE
	VAGINA (VA) : -SEMIFLUID MATERIAL; TAN AND MUCOID	VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT
		CAUSE OF DEATH (CD) : -NEOPLASM, MAMMARY GLAND,-PRESENT
	LN, INGUINAL (IN) : >NOTE:>INGUINAL LYMPH NODE THAT IS REGIONAL TO MAMMARY GLAND MASS IS COLLECTED (CAP 20)	LN, INGUINAL (IN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92932 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/29/99 STUDY DAY OF DEATH: 285 STUDY WEEK OF DEATH: 41 TERMINAL BODY WEIGHT: 260.1 GRAMS
DATE AND TIME OF NECROPSY: 01/29/99 15:03 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-ANIMAL THIN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), OVARY (OV), BONE, FEMUR (FE), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92933 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/21/00 STUDY DAY OF DEATH: 642 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: 541.0 GRAMS
DATE AND TIME OF NECROPSY: 01/21/00 14:38 PROSECTOR: DAVID SCHUETTE RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-LEFT; WEEK 64; 50 X 50MM; VERIFIED AT NECROPSY: OBSERVED		EYE (EY) : -INFLAMMATION, ACUTE,-SLIGHT
	BRAIN (BR) :	BRAIN (BR) :
>MASS(ES); INGUINAL REGION-RIGHT; WEEK 74; 70 X 70MM; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS) LIVER (LI) :	>UNREMARKABLE LIVER (LI) :
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: NOT OBSERVED	-RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE AREAS, UP TO 5 X 4 MM; COLLECTED ON ROUTINE SECTIONS	-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -HEMATOPOIESIS, EXTRAMEDULLARY,-SLIGHT
>SKIN & PELAGE; SORE/SCAB; VENTRAL-ABDOMINAL-RIGHT; VERIFIED AT NECROPSY: OBSERVED		-HYPERPLASIA, BILE DUCT,-SLIGHT KIDNEY (KD) :
>SKIN & PELAGE; BLACK SKIN; VENTRAL-ABDOMINAL-RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE -MINERALIZATION, PELVIC,-SEVERE -MINERALIZATION, TUBULAR,-MODERATE
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		-HYPERPLASIA, TRANSITIONAL CELL,-MODERATE
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE		SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SEVERE
>BEHAVIOR; COLD TO TOUCH; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE		PANCREAS (PA) :
>EYES; PALE; EYES; VERIFIED AT NECROPSY: NOT APPLICABLE		-HYPERTROPHY / BASOPHILIA, ACINAR CELL,-MINIMAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	ADRENAL, CORTEX (AC) : -LARGE; LEFT: 8 X 5 X 5 MM (RIGHT IS 5 X 4 X 3 MM)	ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92933 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/21/00 STUDY DAY OF DEATH: 642 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: 541.0 GRAMS
DATE AND TIME OF NECROPSY: 01/21/00 14:38 PROSECTOR: DAVID SCHUETTE RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) :
		-DEGENERATION, CYSTIC / HEMORRHAGIC,-SEVERE
		-PIGMENT,-SLIGHT
		MARROW, FEMUR (FM) :
		-HYPERPLASIA, MYELOID, MARROW,-MODERATELY SEVERE
		MARROW, STERNUM (SE) :
		-HYPERPLASIA, MYELOID, MARROW,-MODERATELY SEVERE
		THYMUS (TH) :
		-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE
		LUNG (LU) :
		-HYPERPLASIA, TYPE II PNEUMOCYTE,-SLIGHT
		-MINERALIZATION, SEPTAL,-MINIMAL
		HEART (HT) :
		-CARDIOMYOPATHY,-MODERATELY SEVERE
		TRACHEA (TR) :
		-EXUDATE, LUMINAL,-PRESENT
		-INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
		PARATHYROID (PT) :
		-HYPERPLASIA,-MODERATE
	PITUITARY (PI) :	PITUITARY (PI) :
	-LARGE; 7 X 6 X 4 MM	-B-ADENOMA,-NEOPLASM PRESENT
	-MOTTLED; BROWN, DARK BROWN AND TAN	-CYST,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92933 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/21/00 STUDY DAY OF DEATH: 642 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: 541.0 GRAMS
DATE AND TIME OF NECROPSY: 01/21/00 14:38 PROSECTOR: DAVID SCHUETTE RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
	STOMACH, GL (ST) : -EROSION/ULCERATION; MUCOSA: SINGLE DARK RED ULCERATED AREA, 4 X 2 MM	STOMACH, GL (ST) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT -MINERALIZATION, GLANDULAR MUCOSA,-MODERATELY SEVERE
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 50 X 40 X 25 MM, TAN, FIRM AND LOBULATED; SAME ON CUT SURFACE; SOME SECTIONS EXUDE A TAN CREAMY SEMIFLUID MATERIAL; COLLECTED INTACT; REGIONAL LN (SEE AXILLARY) -THICKENED; ALL REGIONS, DIFFUSE: TAN; COLLECTED ON ROUTINE SECTION -MASS #2; RIGHT INGUINAL REGION, EXTENDING TO MID VENTRAL ABDOMINAL REGION: SINGLE MASS, 70 X 70 X 25 MM, DARK BROWN, BROWN, TAN, FIRM AND LOBULATED; SAME ON CUT SURFACE; ON SECTION EXUDES A DARK BROWN FLUID MATERIAL; OVERLYING SKIN HAS MULTIPLE DRY DARK BROWN CRUSTED AREAS, UP TO 6 MM IN DIAMETER; COLLECTED INTACT; REGIONAL LN (SEE AXILLARY)	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT -B-ADENOMA,-NEOPLASM PRESENT >NOTE:>MASS 2 IS THE FIBROADENOMA
		CAUSE OF DEATH (CD) : -NEOPLASM, MAMMARY GLAND,-PRESENT >NOTE:>CAUSE OF DEATH IS THE ADENOMA

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92933 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/21/00 STUDY DAY OF DEATH: 642 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: 541.0 GRAMS
DATE AND TIME OF NECROPSY: 01/21/00 14:38 PROSECTOR: DAVID SCHUETTE RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, AXILLARY (AX) : -MOTTLED; BILATERAL: BROWN AND TAN (CAP 22) LN, MANDIBULAR (MN) : -LARGE; RIGHT: 15 X 8 X 5 MM (LEFT IS 5 X 3 X 2 MM) (CAP 21) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: MOIST, BROWN MATERIAL	LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATELY SEVERE -ABSCESS,-MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92933 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/21/00 STUDY DAY OF DEATH: 642 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: 541.0 GRAMS
DATE AND TIME OF NECROPSY: 01/21/00 14:38 PROSECTOR: DAVID SCHUETTE RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), ESOPHAGUS (ES), THYROID (TY), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92934 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/13/99 STUDY DAY OF DEATH: 603 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: 327.4 GRAMS
DATE AND TIME OF NECROPSY: 12/13/99 8:05 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>APPEARANCE; MISSING; TEETH; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-DILATATION, VENTRICULAR,-PRESENT
>APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE		-COMPRESSION, VENTRAL,-PRESENT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) :
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE		-LIPIDOSIS, SUBCAPSULAR (TENSION LIPIDOSIS),-SLIGHT
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE		SPLEEN (SP) :
		-PIGMENT, INCREASED,-SLIGHT
		PANCREAS (PA) :
		-ATROPHY, ACINAR,-SLIGHT
		-HYPERTROPHY / BASOPHILIA, ACINAR CELL,-MINIMAL
		ADRENAL, CORTEX (AC) :
		-ANGIECTASIS,-MODERATE
		-PIGMENT,-MINIMAL
		LUNG (LU) :
		-MINERALIZATION, VASCULAR,-MINIMAL
		THYROID (TY) :
		-HYPERPLASIA, C-CELL,-MODERATE
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 9 X 8 X 8 MM, DARK RED AND SOFT	-B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) :
		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92934 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/13/99 STUDY DAY OF DEATH: 603 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: 327.4 GRAMS
DATE AND TIME OF NECROPSY: 12/13/99 8:05 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	LN, MANDIBULAR (MN) : -LARGE; RIGHT: UP TO 4 X 4 X 3 MM (LEFT IS UP TO 3 X 2 X 2 MM) (CAP 21) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL LOWER INCISORS -TEETH MISSING/BROKEN/WORN; RIGHT UPPER INCISOR: BROKEN OFF AT BASE -DISCHARGE-OCULAR; BILATERAL: DRY, RED MATERIAL -ANIMAL THIN -DISCHARGE-NASAL; DRY, RED MATERIAL	LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92934 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/13/99 STUDY DAY OF DEATH: 603 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: 327.4 GRAMS
DATE AND TIME OF NECROPSY: 12/13/99 8:05 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), KIDNEY (KD), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92935 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/22/99 STUDY DAY OF DEATH: 612 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: 356.3 GRAMS
DATE AND TIME OF NECROPSY: 12/22/99 11:11 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-DILATATION, VENTRICULAR,-PRESENT
		-COMPRESSION, VENTRAL,-PRESENT
>EYES; RED DISCHARGE; EYE-RIGHT; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) :	LIVER (LI) :
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE	-RED FOCUS(I)/AREA(S); LEFT LATERAL LOBE: SINGLE DARK RED AREA, 5 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION	-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MINIMAL
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
		-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MODERATE
		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
		SPLEEN (SP) :
		-PIGMENT, INCREASED,-MODERATE
		-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MINIMAL
	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
	-LARGE; RIGHT: 13 X 10 X 10 MM (LEFT IS 4 X 3 X 3 MM)	-DEGENERATION, CYSTIC / HEMORRHAGIC,-SEVERE
		-PIGMENT,-SLIGHT
		ADRENAL, MEDULLA (MA) :
		-UNILATERALLY EXAMINED,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92935 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/22/99 STUDY DAY OF DEATH: 612 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: 356.3 GRAMS
DATE AND TIME OF NECROPSY: 12/22/99 11:11 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SEVERE LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 11 X 10 X 7 MM, RED, DARK RED, GRAY, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,-NEOPLASM PRESENT
	UTERUS (UT) : -THICKENED WALL; BILATERAL, DIFFUSE -MASS(ES); MID RIGHT HORN: SINGLE PEDUNCULATED MASS, 9 X 6 X 6 MM, TAN, LOBULATED, AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (LUMBAR) NORMAL (CAP 21)	UTERUS (UT) : -DILATATION,-SLIGHT -B-LEIOMYOMA,-NEOPLASM PRESENT
		VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT -HYPERPLASIA, MUCINOUS,-MODERATE CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT LN, LUMBAR/ILIAC (LM) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92935 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/22/99 STUDY DAY OF DEATH: 612 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: 356.3 GRAMS
DATE AND TIME OF NECROPSY: 12/22/99 11:11 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-DISCHARGE-OCULAR; RIGHT: DARK RED AND MOIST

HISTOPATHOLOGY

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92936 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 328.1 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 7:30 PROSECTOR: CHANESTA ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-LEFT; WEEK 63; 50 X 40MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) :
		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
		-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL
		-HYPERPLASIA, BILE DUCT,-SLIGHT
		-FIBROSIS, PERIBILIARY,-MINIMAL
		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
		-MINERALIZATION, PELVIC,-MODERATE
		-HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT
		THYROID (TY) :
		-B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 11 X 10 X 6 MM, DARK RED, TAN, SOFT, AND LOBULATED	-B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, NONGL (SU) :	STOMACH, NONGL (SU) :
	-EROSION/ULCERATION; MUCOSA: MULTIPLE DARK BROWN ERODED AREAS, UP TO 3 MM IN DIAMETER	-ACANTHOSIS / HYPERKERATOSIS,-MODERATELY SEVERE
		-INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92936 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 328.1 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 7:30 PROSECTOR: CHANESTA ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 55 X 35 X 22 MM, TAN, FIRM, AND LOBULATED; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 23) -THICKENED; ALL REGIONS DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
		LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATELY SEVERE -INFILTRATE, MACROPHAGE, PIGMENTED,-MODERATE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	
	GENERAL INFORMATION (XX) : >NOTE:>ANIMAL NECROPSIED OUT OF ORDER DUE TO MORIBUND CONDITION FOLLOWING BLOOD COLLECTION	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92936 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 328.1 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 7:30 PROSECTOR: CHANESTA ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), LUNG (LU), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92937 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/13/99 STUDY DAY OF DEATH: 450 STUDY WEEK OF DEATH: 65 TERMINAL BODY WEIGHT: 270.4 GRAMS
DATE AND TIME OF NECROPSY: 07/13/99 9:45 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

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

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED >MASS(ES); VENTRAL-ABDOMINAL; WEEK 61; 15 X 15MM; VERIFIED AT NECROPSY: OBSERVED >MASS(ES); AXILLARY REGION-LEFT; WEEK 64; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE >BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) PITUITARY (PI) : -MASS(ES); 15 X 10 X 10 MM, DARK RED, TAN, AND SOFT	BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT -COMPRESSION, VENTRAL,-PRESENT KIDNEY (KD) : -MINERALIZATION, PELVIC,-SLIGHT SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT PANCREAS (PA) : -HYPERTROPHY / BASOPHILIA, ACINAR CELL,-MINIMAL -VACUOLATION, FOCAL,-MINIMAL ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92937 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/13/99 STUDY DAY OF DEATH: 450 STUDY WEEK OF DEATH: 65 TERMINAL BODY WEIGHT: 270.4 GRAMS
DATE AND TIME OF NECROPSY: 07/13/99 9:45 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE TAN, CREAMY SEMIFLUID FILLED CYSTS, UP TO 15 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION AND CAP 20; POSSIBLY CONSISTENT WITH MASSES NOTED IN CLINICAL OBSERVATIONS	CERVIX (CV) : >TISSUE MISSING VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL, UPPER INCISORS -DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY -ANIMAL THIN -DISCHARGE-NASAL; DARK RED AND DRY	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92937 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/13/99 STUDY DAY OF DEATH: 450 STUDY WEEK OF DEATH: 65 TERMINAL BODY WEIGHT: 270.4 GRAMS
DATE AND TIME OF NECROPSY: 07/13/99 9:45 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92938 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 650.9 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 10:32 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAWS-HIND; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; SWOLLEN; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-SLIGHT
	ADRENAL, CORTEX (AC) : -LARGE; RIGHT: 8 X 5 X 5 MM (LEFT IS 5 X 4 X 4 MM)	ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-MODERATELY SEVERE -DEGENERATION, CYSTIC / HEMORRHAGIC,-MODERATELY SEVERE -PIGMENT,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 6 X 6 X 4 MM, RED, DARK RED, GREY, AND SOFT MAMMARY, FEMALE (MF) : -CYST(S); MID PERINEAL REGION: MULTIPLE TAN CREAMY SEMIFLUID FILLED CYSTS, UP TO 15 X 10 MM (CAP 22)	PITUITARY (PI) : -HYPERPLASIA,-MODERATELY SEVERE MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -HYPERPLASIA, GLANDULAR,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92938 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 650.9 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 10:32 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT CAVITY, ABDOM (PC) : -INFLAMMATION / NECROSIS, FAT,-MODERATE
	FOOT/FOOTPAD (FP) : -CRUSTED AREA(S); BILATERAL HINDFEET: SINGLE RED, TAN, AND MOIST AREA ON EACH, LEFT IS 5 X 3 MM, RIGHT IS 17 X 13 X 3 MM, SURROUNDING TISSUE APPEARS SWOLLEN; BOTH COLLECTED	FOOT/FOOTPAD (FP) : -INFLAMMATION, CHRONIC-ACTIVE,-SEVERE -ULCERATION,-SEVERE -ACANTHOSIS / HYPERKERATOSIS,-SLIGHT
	ADIPOSE TISSUE (AT) : -GELATINOUS; TISSUE SURROUNDING BOTH UTERINE HORNS, AND BOTH KIDNEYS: CLEAR AND YELLOW (CAP 23)	ADIPOSE TISSUE (AT) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL >NOTE:>SEE PERITONEAL CAVITY FOR DIAGNOSIS OF MASS
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -ANIMAL OBESE	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92938 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 650.9 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 10:32 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), ADRENAL, MEDULLA (MA), LUNG (LU), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92939 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/23/99 STUDY DAY OF DEATH: 491 STUDY WEEK OF DEATH: 71 TERMINAL BODY WEIGHT: 351.3 GRAMS
DATE AND TIME OF NECROPSY: 08/23/99 14:44 PROSECTOR: DAVID SCHUETTE RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>MASS(ES); VENTRAL-CERVICAL-RIGHT; WEEK 47; 30 X 60MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 63; 15 X 15MM; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; SORE/SCAB; VENTRAL-THORACIC; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); AXILLARY REGION-LEFT; WEEK 58; 30 X 30MM; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
KIDNEY (KD) :
-MINERALIZATION, PELVIC,-MINIMAL
-MINERALIZATION, TUBULAR,-MINIMAL
SPLEEN (SP) :
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE
ADRENAL, CORTEX (AC) :
-ANGIECTASIS,-SLIGHT
-PIGMENT,-MINIMAL
MARROW, FEMUR (FM) :
-HYPERPLASIA, MYELOID, MARROW,-SLIGHT
MARROW, STERNUM (SE) :
-HYPERPLASIA, MYELOID, MARROW,-MODERATELY SEVERE
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL
LUNG (LU) :
-N-CARCINOMA,-FROM MAMMARY, FEMALE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92939 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/23/99 STUDY DAY OF DEATH: 491 STUDY WEEK OF DEATH: 71 TERMINAL BODY WEIGHT: 351.3 GRAMS
DATE AND TIME OF NECROPSY: 08/23/99 14:44 PROSECTOR: DAVID SCHUETTE RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LUNG (LU) : -LIGHT FOCUS(I)/AREA(S); TRIMMING COMMENT: RIGHT CRANIAL LOBE: SINGLE TAN AREA, 3 X 4 MM; TRIMMED IN BLOCK 11 WITH ROUTINE SECTIONS	
	PITUITARY (PI) : -MASS(ES); 6 MM IN DIAMETER, DARK RED AND SOFT; PORTION COLLECTED ON BRAIN	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT SHOULDER REGION: SINGLE MASS, 60 X 40 X 25 MM, TAN, RED, LOBULATED, FIRM AND VASCULAR; SAME ON CUT SURFACE; SKIN OVERLYING MASS HAS DARK RED AND BROWN ULCERATED AREA, 30 X 20 MM; COLLECTED INTACT; REGIONAL LN (AXILLARY) NORMAL (CAP 20) -MASS #2; LEFT AXILLARY REGION: SINGLE MASS, 35 X 30 X 20 MM, TAN, DARK RED, RED AND LOBULATED; SAME ON CUT SURFACE; SOME SECTIONS EXUDE A TAN GELATINOUS SEMISOLID MATERIAL; COLLECTED INTACT; REGIONAL LN (AXILLARY) NORMAL (CAP 20) -MASS #3; RIGHT VENTRAL ABDOMINAL: SINGLE MASS, 30 X 30 X 15 MM, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -M-CARCINOMA,- 3 NEOPLASMS PRESENT -CYST / GALACTOCELE,-PRESENT -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92939 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/23/99 STUDY DAY OF DEATH: 491 STUDY WEEK OF DEATH: 71 TERMINAL BODY WEIGHT: 351.3 GRAMS
DATE AND TIME OF NECROPSY: 08/23/99 14:44 PROSECTOR: DAVID SCHUETTE RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	UTERUS (UT) : -CYST(S); BILATERAL, WITHIN WALLS: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 2 MM IN DIAMETER	UTERUS (UT) : -DILATATION,-MODERATELY SEVERE
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
		LN, AXILLARY (AX) : -HEMORRHAGE,-PRESENT -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	
	GENERAL INFORMATION (XX) : >NOTE:>ANIMAL INADVERTENTLY SACRIFICED WITH SODIUM PENTOBARBITAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92939 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/23/99 STUDY DAY OF DEATH: 491 STUDY WEEK OF DEATH: 71 TERMINAL BODY WEIGHT: 351.3 GRAMS
DATE AND TIME OF NECROPSY: 08/23/99 14:44 PROSECTOR: DAVID SCHUETTE RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92940 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/13/99 STUDY DAY OF DEATH: 603 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: 587.6 GRAMS
DATE AND TIME OF NECROPSY: 12/13/99 13:31 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-LEFT; WEEK 50; 100 X 90MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL
>MASS(ES); INGUINAL REGION-LEFT; WEEK 73; 60 X 70MM; VERIFIED AT NECROPSY: OBSERVED		SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE
	ADRENAL, CORTEX (AC) : -LARGE; LEFT: 9 X 5 X 5 MM (RIGHT IS 5 X 3 X 3 MM) -IRREGULAR SHAPE; LEFT: LOBULATED	ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-MODERATE -DEGENERATION, CYSTIC / HEMORRHAGIC,-SEVERE
		MARROW, FEMUR (FM) : -HYPERPLASIA, ERYTHROID, MARROW,-SLIGHT
		MARROW, STERNUM (SE) : -HYPERPLASIA, ERYTHROID, MARROW,-SLIGHT
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL
	PITUITARY (PI) : -DARK FOCUS(I)/AREA(S); MID ASPECT: SINGLE DARK BROWN FOCUS, 1 MM IN DIAMETER	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92940 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/13/99 STUDY DAY OF DEATH: 603 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: 587.6 GRAMS
DATE AND TIME OF NECROPSY: 12/13/99 13:31 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

STOMACH, GL (ST) :
-LIGHT FOCUS(I)/AREA(S); MUCOSA: MULTIPLE GREY, INDISTINCT AREAS
MAMMARY, FEMALE (MF) :
-MASS(ES); LEFT INGUINAL REGIONAL: SINGLE MASS, 80 X 61 X 55 MM, RED, DARK RED, GREY, TAN, LOBULATED, VASCULAR, AND FIRM; SOME SECTIONS EXUDE A TAN, CREAMY SEMIFLUID MATERIAL; COLLECTED INTACT; REGIONAL LN (INGUINAL) NOT IDENTIFIED
-MASS #2; LEFT AXILLARY REGION: SINGLE MASS, 128 X 91 X 73 MM (199.0 GRAMS), RED, DARK RED, GREY, TAN, VASCULAR, LOBULATED AND FIRM; SOME SECTIONS EXUDE A TAN, CREAMY SEMIFLUID MATERIAL; PORTION COLLECTED; REGIONAL LN (SEE AXILLARY)
-MASS #3; LEFT LATERAL THORACIC REGION: SINGLE MASS, 15 X 11 X 9 MM, DARK BROWN, LOBULATED AND SOFT; SAME ON CUT SURFACE (CAP 22); REGIONAL LN (INGUINAL) NOT IDENTIFIED

LN, AXILLARY (AX) :
-MOTTLED; LEFT: RED AND TAN (CAP 21)
GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN

HISTOPATHOLOGY

STOMACH, GL (ST) :
>UNREMARKABLE

MAMMARY, FEMALE (MF) :
-CYST / GALACTOCELE,-PRESENT
-B-FIBROADENOMA,- 2 NEOPLASMS PRESENT
-B-ADENOMA,-NEOPLASM PRESENT
>NOTE:>MASS #3 IS THE ADENOMA

CAUSE OF DEATH (CD) :
-NEOPLASM, MAMMARY GLAND,-PRESENT
LN, AXILLARY (AX) :
-HEMORRHAGE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92940 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/13/99 STUDY DAY OF DEATH: 603 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: 587.6 GRAMS
DATE AND TIME OF NECROPSY: 12/13/99 13:31 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-ANIMAL THIN

HISTOPATHOLOGY

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92941 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 209.6 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 9:05 PROSECTOR: JODI THIEREN RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LF KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	8.4862	4.0494 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LF OVARY (OV0)	--------	--------	--------	NOT TAKEN
RT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92941 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 209.6 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 9:05 PROSECTOR: JODI THIEREN RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92942 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/02/99 STUDY DAY OF DEATH: 348 STUDY WEEK OF DEATH: 50 TERMINAL BODY WEIGHT: 406.2 GRAMS
DATE AND TIME OF NECROPSY: 04/02/99 15:14 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); DORSAL; WEEK 11; 85 X 80MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) :
>SKIN & PELAGE; SORE/SCAB; DORSAL; VERIFIED AT NECROPSY: OBSERVED		-HEMATOPOIESIS, EXTRAMEDULLARY,-MODERATE
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 50; 35 X 25MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) :
		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		-MINERALIZATION, TUBULAR,-MINIMAL
		-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL
	SPLEEN (SP) :	SPLEEN (SP) :
	-LARGE; 12 X 17 X 75 MM	-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SEVERE
		ADRENAL, CORTEX (AC) :
		-HEMATOPOIESIS, EXTRAMEDULLARY,-SLIGHT
		MARROW, FEMUR (FM) :
		-HYPERPLASIA, MYELOID, MARROW,-SEVERE
		MARROW, STERNUM (SE) :
		-HYPERPLASIA, MYELOID, MARROW,-MODERATELY SEVERE
	LUNG (LU) :	LUNG (LU) :
	-RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE RED FOCI, PINPOINT AND UP TO 1 MM IN DIAMETER	-HEMORRHAGE,-PRESENT
		-INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL
		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		MAMMARY, FEMALE (MF) :
		-M-CARCINOMA,-NEOPLASM PRESENT
		-B-FIBROADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92942 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/02/99 STUDY DAY OF DEATH: 348 STUDY WEEK OF DEATH: 50 TERMINAL BODY WEIGHT: 406.2 GRAMS
DATE AND TIME OF NECROPSY: 04/02/99 15:14 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT INGUINAL REGION: SINGLE MASS, 23 X 28 X 40 MM, FIRM, TAN, WHITE AND LOBULATED; SAME ON CUT SURFACE (CAP 20); REGIONAL LN (INGUINAL) NOT IDENTIFIED -MASS #2; LEFT INGUINAL REGION: SINGLE MASS, 50 X 60 X 70 MM, FIRM, RED, DARK RED, TAN AND LOBULATED; SAME ON CUT SURFACE; OVERLYING SKIN HAS A 35 X 40 MM DARK BROWN, DRY CRUSTED AREA; COLLECTED INTACT WITH MASS; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : >NOTE:>MASS #1 IS THE FIBROADENOMA
		CAUSE OF DEATH (CD) : -NEOPLASM, MAMMARY GLAND,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92942 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/02/99 STUDY DAY OF DEATH: 348 STUDY WEEK OF DEATH: 50 TERMINAL BODY WEIGHT: 406.2 GRAMS
DATE AND TIME OF NECROPSY: 04/02/99 15:14 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92943 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/25/00 STUDY DAY OF DEATH: 677 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 318.7 GRAMS
DATE AND TIME OF NECROPSY: 02/25/00 8:38 PROSECTOR: NANCY DIEDRICH RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE >MASS(ES); INGUINAL REGION-RIGHT; WEEK 92; 20 X 20MM; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED >EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LIVER (LI) : -CYST(S); VISCERAL SURFACE OF RIGHT MEDIAN LOBE: SINGLE CLEAR FLUID FILLED CYST, 1 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION ADRENAL, CORTEX (AC) : -LARGE; RIGHT: 8 MM IN DIAMETER MM (LEFT IS 5 X 3 X 2 MM) -RED FOCUS(I)/AREAS(I); RIGHT: SINGLE DARK RED AREA, 7 X 5 MM LN, MESENTERIC (MS) : -DIFFUSELY DARK; GREEN	BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-SLIGHT -CYST, BILIARY,-PRESENT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-SLIGHT -MINERALIZATION, TUBULAR,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-MODERATE -DEGENERATION, CYSTIC / HEMORRHAGIC,-MODERATELY SEVERE -PIGMENT,-MINIMAL LN, MESENTERIC (MS) : -INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92943 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/25/00 STUDY DAY OF DEATH: 677 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 318.7 GRAMS
DATE AND TIME OF NECROPSY: 02/25/00 8:38 PROSECTOR: NANCY DIEDRICH RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	OVARY (OV) : -CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 3 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE
	THYROID (TY) : -LARGE; RIGHT: 9 X 4 X 3 MM (LEFT IS 5 X 3 X 2 MM) -DIFFUSELY LIGHT; BILATERAL: TAN	THYROID (TY) : >UNREMARKABLE
	PITUITARY (PI) : -MASS(ES); 15 X 10 X 10 MM, RED, DARK RED, BROWN, TAN, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT PERINEAL REGION: SINGLE MASS, 30 X 25 X 20 MM, RED, TAN, LOBULATED, AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NORMAL (CAP 22) -THICKENED; ALL REGIONS DIFFUSE: TAN AND FIRM (CAP 21)	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT >NOTE:>FIBROADENOMA ALSO ON SLIDE #21
	UTERUS (UT) : -THICKENED WALL; BILATERAL, DIFFUSE	UTERUS (UT) : >UNREMARKABLE
	CERVIX (CV) : -LARGE; 10 MM IN DIAMETER	CERVIX (CV) : -HYPERPLASIA, MUCINOUS,-MODERATE
		VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92943 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/25/00 STUDY DAY OF DEATH: 677 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 318.7 GRAMS
DATE AND TIME OF NECROPSY: 02/25/00 8:38 PROSECTOR: NANCY DIEDRICH RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	TAIL (TI) : -CRUSTED AREA(S); PROXIMAL ONE-THIRD OF TAIL: MULTIPLE BROWN DRY CRUSTED AREAS, UP TO 3 MM IN DIAMETER; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN	TAIL (TI) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE -ACANTHOSIS / HYPERKERATOSIS,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92943 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/25/00 STUDY DAY OF DEATH: 677 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 318.7 GRAMS
DATE AND TIME OF NECROPSY: 02/25/00 8:38 PROSECTOR: NANCY DIEDRICH RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), HEMATO NEOPLASIA (HN), LN, INGUINAL (IN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92944 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 346.5 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 11:16 PROSECTOR: TROY ELLENBECKER RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0428	.0124 %	.0193	WEIGHT TAKEN
RT ADRENAL (AD1)	.0403	.0116 %	.0182	WEIGHT TAKEN
BRAIN (BR)	2.2158	.6395 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.2156	.3508 %	.5486	WEIGHT TAKEN
RT KIDNEY (KD1)	1.2941	.3735 %	.5840	WEIGHT TAKEN
LIVER (LI)	10.8619	3.1347 %	4.9020	WEIGHT TAKEN
LUNG (LU)	1.4298	.4126 %	.6453	WEIGHT TAKEN
LF OVARY (OV0)	.0969	.0280 %	.0437	WEIGHT TAKEN
RT OVARY (OV1)	.1016	.0293 %	.0459	WEIGHT TAKEN
SPLEEN (SP)	.6829	.1971 %	.3082	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0137	.0040 %	.0062	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0135	.0039 %	.0061	WEIGHT TAKEN
UTERUS (UT)	.7094	.2047 %	.3202	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92944 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 346.5 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 11:16 PROSECTOR: TROY ELLENBECKER RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92945 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 191.0 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 9:06 PROSECTOR: LYNN HORNER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LF KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	6.9870	3.6589 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LF OVARY (OV0)	--------	--------	--------	NOT TAKEN
RT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92945 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 191.0 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 9:06 PROSECTOR: LYNN HORNER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC),
ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE),
BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM),
NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI),
HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE),
ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB),
UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN),
LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS),
FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL),
URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP),
MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC),
BILE DUCT (BD), TRIGEMINAL NERVE (TG)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92946 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 565.2 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 8:10 PROSECTOR: TONY HANFELD RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 105; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MODERATE KIDNEY (KD) : -MINERALIZATION, PELVIC,-SLIGHT PANCREAS (PA) : -ATROPHY, ACINAR,-MINIMAL -INFILTRATION, FAT, INTERSTITIAL,-SLIGHT THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 6 X 5 X 4 MM, DARK RED, TAN AND SOFT	PITUITARY (PI) : -HYPERPLASIA,-SLIGHT
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 25 X 15 X 12 MM, RED, DARK RED, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 22)	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92946 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 565.2 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 8:10 PROSECTOR: TONY HANFELD RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -THICKENED; ALL REGIONS, DIFFUSE: COLLECTED ON ROUTINE SECTION	
		URINARY BLADDER (UB) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
	UTERUS (UT) : -CYST(S); LEFT HORN, WITHIN LUMEN: SINGLE CLEAR FLUID FILLED CYST, 5 X 3 X 3 MM	UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,- MODERATELY SEVERE
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
		LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,- MODERATELY SEVERE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92946 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 565.2 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 8:10 PROSECTOR: TONY HANFELD RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PARATHYROID (PT)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92947 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/04/00 STUDY DAY OF DEATH: 656 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 349.0 GRAMS
DATE AND TIME OF NECROPSY: 02/04/00 9:45 PROSECTOR: TONY HANFELD RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL
-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL
-HYPERPLASIA, BILE DUCT,-MINIMAL
KIDNEY (KD) :
-MINERALIZATION, PELVIC,-MINIMAL
-HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT
PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-SLIGHT
ADRENAL, CORTEX (AC) :
-HYPERTROPHY, CORTICAL CELL,-MODERATE
-DEGENERATION, CYSTIC / HEMORRHAGIC,-MODERATE
-PIGMENT,-SLIGHT
MARROW, FEMUR (FM) :
-HYPOCELLULAR, MARROW,-MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92947 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/04/00 STUDY DAY OF DEATH: 656 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 349.0 GRAMS
DATE AND TIME OF NECROPSY: 02/04/00 9:45 PROSECTOR: TONY HANFELD RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 7 X 6 X 5 MM, RED, DARK RED, TAN, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) : -HYPERPLASIA, GLANDULAR,-MINIMAL CERVIX (CV) : -HYPERPLASIA, MUCINOUS,-MODERATE
	VAGINA (VA) : -SEMIFLUID MATERIAL; WITHIN LUMEN: LIGHT GREEN, MUCOID SEMIFLUID	VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT -HYPERPLASIA, MUCINOUS,-MODERATE
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL UPPER AND LOWER INCISORS -DISCHARGE-OCULAR; BILATERAL: DRY, RED MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92947 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/04/00 STUDY DAY OF DEATH: 656 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 349.0 GRAMS
DATE AND TIME OF NECROPSY: 02/04/00 9:45 PROSECTOR: TONY HANFELD RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92948 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/10/00 STUDY DAY OF DEATH: 691 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: 400.9 GRAMS
DATE AND TIME OF NECROPSY: 03/10/00 10:56 PROSECTOR: DAVID SCHUETTE RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-CERVICAL; WEEK 96; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -MOTTLED; ALL LOBES: DARK RED, AND TAN -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 4 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -CONGESTION,-PRESENT -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE -MINERALIZATION, PELVIC,-SLIGHT -HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED	SPLEEN (SP) : -LIGHT FOCUS(I)/AREA(S); ALONG MARGIN: SINGLE TAN AREA, 6 MM IN DIAMETER	SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-MODERATE
	ADRENAL, CORTEX (AC) : -LARGE; LEFT: 23 X 20 X 17 MM (RIGHT IS 4 X 3 X 2 MM)	ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC / HEMORRHAGIC,-SEVERE -PIGMENT,-SLIGHT -B-ADENOMA,-NEOPLASM PRESENT -DEGENERATION / NECROSIS, UNILATERAL,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92948 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/10/00 STUDY DAY OF DEATH: 691 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: 400.9 GRAMS
DATE AND TIME OF NECROPSY: 03/10/00 10:56 PROSECTOR: DAVID SCHUETTE RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, MEDULLA (MA) : -UNILATERALLY EXAMINED,-PRESENT
	THYMUS (TH) : -MISSING/NOT IDENTIFIED; NOT POSITIVELY IDENTIFIED; SUBMITTED WITH THICKENED ADIPOSE TISSUE (CAP 23)	THYMUS (TH) : >TISSUE MISSING
		LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL -EMBOLISM, ADIPOSE TISSUE,-MODERATELY SEVERE
		HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
		MUSCLE, SKELETAL (SM) : -ATROPHY,-SLIGHT
		THYROID (TY) : -HYPERPLASIA, C-CELL,-SLIGHT
		PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT VENTRAL CERVICAL REGION: SINGLE MASS, 30 X 17 X 10 MM, TAN AND SOFT; SAME ON CUT SURFACE (CAP 24); REGIONAL LN (SEE MANDIBULAR) -THICKENED; ALL REGIONS DIFFUSE: TAN; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT
		CERVIX (CV) : -HYPERPLASIA, MUCINOUS,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92948 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/10/00 STUDY DAY OF DEATH: 691 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: 400.9 GRAMS
DATE AND TIME OF NECROPSY: 03/10/00 10:56 PROSECTOR: DAVID SCHUETTE RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT -HYPERPLASIA, MUCINOUS,-SLIGHT
		CAUSE OF DEATH (CD) : -EMBOLISM, PULMONARY,-PRESENT
	LN, AXILLARY (AX) : -LARGE; BILATERAL: EACH IS UP TO 17 X 10 X 4 MM (CAP 21)	LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT
	LN, MANDIBULAR (MN) : -LARGE; BILATERAL, DEEP CERVICAL: EACH IS UP TO 15 X 7 X 4 MM (CAP 22)	LN, MANDIBULAR (MN) : >TISSUE MISSING
	ADIPOSE TISSUE (AT) : -THICKENED; SURROUNDING THYMUS: TAN AND SOFT (CAP 23)	ADIPOSE TISSUE (AT) : >UNREMARKABLE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92948 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/10/00 STUDY DAY OF DEATH: 691 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: 400.9 GRAMS
DATE AND TIME OF NECROPSY: 03/10/00 10:56 PROSECTOR: DAVID SCHUETTE RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92949 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/04/98 STUDY DAY OF DEATH: 229 STUDY WEEK OF DEATH: 33 TERMINAL BODY WEIGHT: 471.1 GRAMS
DATE AND TIME OF NECROPSY: 12/04/98 11:46 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>MASS(ES); VENTRAL-CERVICAL-LEFT; WEEK 3; 80 X 60MM; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; SORE/SCAB; VENTRAL-CERVICAL-LEFT; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MINIMAL
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT
MARROW, FEMUR (FM) :
-HYPERPLASIA, MYELOID, MARROW,-MODERATE
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE
PITUITARY (PI) :
-HYPERPLASIA,-MINIMAL
MAMMARY, FEMALE (MF) :
-B-FIBROADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92949 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/04/98 STUDY DAY OF DEATH: 229 STUDY WEEK OF DEATH: 33 TERMINAL BODY WEIGHT: 471.1 GRAMS
DATE AND TIME OF NECROPSY: 12/04/98 11:46 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); VENTRAL CERVICAL REGION, EXTENDING TO BILATERAL SHOULDER REGIONS: SINGLE MASS, 90 X 55 X 45 MM (104.9 GRAMS), TAN, RED, FIRM, LOBULATED AND VASCULAR; SAME ON CUT SURFACE; SKIN OVERLYING MASS HAS MULTIPLE MOIST, DARK BROWN ABRADED AREAS, UP TO 15 MM IN DIAMETER; COLLECTED INTACT; REGIONAL LN (MANDIBULAR) NORMAL (CAP 20)	CAUSE OF DEATH (CD) : -NEOPLASM, MAMMARY GLAND,-PRESENT LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92949 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/04/98 STUDY DAY OF DEATH: 229 STUDY WEEK OF DEATH: 33 TERMINAL BODY WEIGHT: 471.1 GRAMS
DATE AND TIME OF NECROPSY: 12/04/98 11:46 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92950 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 191.7 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 10:41 PROSECTOR: JODI THIEREN RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LF KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	7.1161	3.7119 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LF OVARY (OV0)	--------	--------	--------	NOT TAKEN
RT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92950 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 191.7 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 10:41 PROSECTOR: JODI THIEREN RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92951 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/03/00 STUDY DAY OF DEATH: 715 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 409.8 GRAMS
DATE AND TIME OF NECROPSY: 04/03/00 14:03 PROSECTOR: JOHN S. HALFORD RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 64; 50 X 50MM; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>SKIN & PELAGE; SORE/SCAB; AXILLARY REGION-RIGHT; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) :
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 80; 60 X 45MM; VERIFIED AT NECROPSY: OBSERVED		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
		-HEMATOPOIESIS, EXTRAMEDULLARY,-SLIGHT
		-HYPERPLASIA, BILE DUCT,-MINIMAL
		-FIBROSIS, PERIBILIARY,-SLIGHT
		-HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-MODERATE
		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
	SPLEEN (SP) :	SPLEEN (SP) :
	-LARGE; 51 X 18 X 11 MM	-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SEVERE
		PANCREAS (PA) :
		-ZYMOGEN GRANULES, DECREASED,-MODERATE
		ADRENAL, CORTEX (AC) :
		-ANGIECTASIS,-SLIGHT
		-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL
		-HYPERTROPHY, CORTICAL CELL,-MINIMAL
		-DEGENERATION, CYSTIC / HEMORRHAGIC,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92951 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/03/00 STUDY DAY OF DEATH: 715 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 409.8 GRAMS
DATE AND TIME OF NECROPSY: 04/03/00 14:03 PROSECTOR: JOHN S. HALFORD RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -PIGMENT,-MINIMAL MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,- MODERATELY SEVERE MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,- MODERATELY SEVERE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),- SLIGHT LUNG (LU) : -INFILTRATE, LYMPHOHISTIOCYTIC,-SLIGHT HEART (HT) : -CARDIOMYOPATHY,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 5 X 4 X 3 MM, RED, GRAY, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT DUODENUM (DU) : -B-LEIOMYOMA,-NEOPLASM PRESENT MAMMARY, FEMALE (MF) : -M-CARCINOMA,-NEOPLASM PRESENT -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT >NOTE:>THE FIBROADENOMA IS MASS #1

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92951 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/03/00 STUDY DAY OF DEATH: 715 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 409.8 GRAMS
DATE AND TIME OF NECROPSY: 04/03/00 14:03 PROSECTOR: JOHN S. HALFORD RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT INGUINAL REGION: SINGLE MASS, 68 X 58 X 25 MM, RED, DARK RED, GRAY, TAN, VASCULAR, LOBULATED AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (INGUINAL) NORMAL (CAP 21) -MASS #2; RIGHT AXILLARY REGION: SINGLE MASS, 65 X 41 X 38 MM, RED, DARK RED, GRAY, TAN, LOBULATED AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (SEE AXILLARY); OVERLYING SKIN HAS A SINGLE DRY RED AND TAN ULCERATED AREA, 50 X 30 X 17 MM; COLLECTED INTACT WITH MASS -CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE TAN AND WHITE CREAMY SEMIFLUID FILLED CYSTS, UP TO 2 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION	
		UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-MODERATE
	CERVIX (CV) : -MASS(ES); WITHIN LUMEN, EXTENDING INTO BIFURCATION OF UTERINE HORNS: SINGLE POLYPOID MASS, 8 X 3 X 3 MM, RED, GRAY AND SOFT; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (LUMBAR) NORMAL (CAP 23)	CERVIX (CV) : -B-POLYP, STROMAL,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92951 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/03/00 STUDY DAY OF DEATH: 715 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 409.8 GRAMS
DATE AND TIME OF NECROPSY: 04/03/00 14:03 PROSECTOR: JOHN S. HALFORD RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : -NEOPLASM, MAMMARY GLAND,-PRESENT
	LN, AXILLARY (AX) : -LARGE; RIGHT: UP TO 15 X 7 X 4 MM (LEFT IS UP TO 4 X 3 X 1 MM) (CAP 22)	LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,- MODERATE
		LN, INGUINAL (IN) : >TISSUE MISSING >NOTE:>TISSUE IS PART OF MAMMARY TUMOR MASS
		LN, LUMBAR/ILIAC (LM) : -HYPERPLASIA, LYMPHOPLASMACYTIC,- MODERATE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL: UPPER AND LOWER INCISORS -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92951 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/03/00 STUDY DAY OF DEATH: 715 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 409.8 GRAMS
DATE AND TIME OF NECROPSY: 04/03/00 14:03 PROSECTOR: JOHN S. HALFORD RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), VAGINA (VA), LN, MEDIASTINAL (ML), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92952 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/19/99 STUDY DAY OF DEATH: 456 STUDY WEEK OF DEATH: 66 TERMINAL BODY WEIGHT: 300.2 GRAMS
DATE AND TIME OF NECROPSY: 07/19/99 11:09 PROSECTOR: LYNN HORNER RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>MASS(ES); AXILLARY REGION-LEFT; WEEK 63; 20 X 20MM; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT
-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL
-HYPERPLASIA, BILE DUCT,-MINIMAL
-FIBROSIS, PERIBILIARY,-MINIMAL
KIDNEY (KD) :
-MINERALIZATION, PELVIC,-SLIGHT
-INFLAMMATION, CHRONIC-ACTIVE, PELVIC,-SLIGHT
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT
ADRENAL, CORTEX (AC) :
-ANGIECTASIS,-SLIGHT
-HYPERTROPHY, CORTICAL CELL,-MINIMAL
-PIGMENT,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92952 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/19/99 STUDY DAY OF DEATH: 456 STUDY WEEK OF DEATH: 66 TERMINAL BODY WEIGHT: 300.2 GRAMS
DATE AND TIME OF NECROPSY: 07/19/99 11:09 PROSECTOR: LYNN HORNER RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 13 X 9 X 6 MM, DARK RED, TAN, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 17 X 15 X 9 MM, DARK RED, TAN, AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (AXILLARY) NORMAL (CAP 20)	MAMMARY, FEMALE (MF) : -M-CARCINOMA,-NEOPLASM PRESENT -CYST / GALACTOCELE,-PRESENT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED, DRY, CRUSTED MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92952 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/19/99 STUDY DAY OF DEATH: 456 STUDY WEEK OF DEATH: 66 TERMINAL BODY WEIGHT: 300.2 GRAMS
DATE AND TIME OF NECROPSY: 07/19/99 11:09 PROSECTOR: LYNN HORNER RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92953 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 439.9 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 7:23 PROSECTOR: JOHN S. HALFORD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -DARK FOCUS(I)/AREA(S); LEFT POSTERIOR ASPECT: SINGLE BROWN FOCUS, 2 MM IN DIAMETER	PITUITARY (PI) : -HYPERPLASIA,-MINIMAL -ANGIECTASIS,-PRESENT
		MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -HYPERPLASIA, GLANDULAR,-MODERATE URINARY BLADDER (UB) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: DARK RED (CAP 22) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	LN, MANDIBULAR (MN) : -HEMORRHAGE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92953 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 439.9 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 7:23 PROSECTOR: JOHN S. HALFORD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
KIDNEY (KD), PANCREAS (PA), LUNG (LU), PARATHYROID (PT)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92954 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/23/00 STUDY DAY OF DEATH: 704 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: 422.4 GRAMS
DATE AND TIME OF NECROPSY: 03/23/00 7:54 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-CERVICAL-RIGHT; WEEK 77; 40 X 50MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
		LIVER (LI) :
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MODERATE
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: OBSERVED		-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-SLIGHT
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED		-HYPERPLASIA, BILE DUCT,-SLIGHT
	KIDNEY (KD) :	KIDNEY (KD) :
	-DIFFUSELY LIGHT; BILATERAL: BROWN	-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
		-MINERALIZATION, PELVIC,-SLIGHT
		SPLEEN (SP) :
		-PIGMENT, INCREASED,-SLIGHT
		PANCREAS (PA) :
		-ZYMOGEN GRANULES, DECREASED,-SLIGHT
		-INFILTRATION, FAT, INTERSTITIAL,-SLIGHT
	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
	-LARGE; LEFT: 15 X 10 X 7 MM (RIGHT IS 4 MM IN DIAMETER)	>UNREMARKABLE
	-MOTTLED; LEFT: RED, DARK RED AND TAN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92954 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/23/00 STUDY DAY OF DEATH: 704 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: 422.4 GRAMS
DATE AND TIME OF NECROPSY: 03/23/00 7:54 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, MEDULLA (MA) : -M-MALIGNANT PHEOCHROMOCYTOMA,-NEOPLASM PRESENT MARROW, FEMUR (FM) : -HYPOCELLULAR, MARROW,-MODERATELY SEVERE MARROW, STERNUM (SE) : -HYPERPLASIA, ERYTHROID, MARROW,-MODERATE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE HEART (HT) : -CARDIOMYOPATHY,-SLIGHT
	PARATHYROID (PT) : -LARGE; RIGHT: 2 X 1 X 1 MM (LEFT IS LESS THAN 1 MM) PITUITARY (PI) : -MASS(ES); 8 X 6 X 6 MM, RED, DARK RED, TAN AND SOFT STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: MULTIPLE RED, TAN ERODED AREAS, UP TO 4 X 2 MM	PARATHYROID (PT) : -B-ADENOMA,-NEOPLASM PRESENT PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-SLIGHT -ULCERATION,-SLIGHT -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92954 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/23/00 STUDY DAY OF DEATH: 704 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: 422.4 GRAMS
DATE AND TIME OF NECROPSY: 03/23/00 7:54 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); VENTRAL CERVICAL REGION: SINGLE MASS, 50 X 45 X 15 MM, RED, DARK RED, TAN, FIRM AND LOBULATED; SAME ON CUT SURFACE; SOME SECTIONS EXUDE A TAN CREAMY SEMIFLUID; COLLECTED; REGIONAL LN (MANDIBULAR) NORMAL (CAP 21)	
		UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,- MINIMAL VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT -HYPERPLASIA, MUCINOUS,-SLIGHT CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -STAINS-PERINEUM/PERIANAL; YELLOW -DISCHARGE-NASAL; RED, DRY MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92954 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/23/00 STUDY DAY OF DEATH: 704 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: 422.4 GRAMS
DATE AND TIME OF NECROPSY: 03/23/00 7:54 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92955 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/17/00 STUDY DAY OF DEATH: 638 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: 331.9 GRAMS
DATE AND TIME OF NECROPSY: 01/17/00 14:21 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>MASS(ES); INGUINAL REGION-LEFT; WEEK 75; 40 X 40MM; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; SORE/SCAB; DORSAL-CERVICAL; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); INGUINAL REGION-RIGHT; WEEK 83; 20 X 20MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 84; 25 X 25MM; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL
-HYPERPLASIA, BILE DUCT,-SLIGHT
-FIBROSIS, PERIBILIARY,-SLIGHT
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-MINERALIZATION, PELVIC,-MINIMAL
-HYPERPLASIA, TRANSITIONAL CELL,-MODERATE
-INFLAMMATION, SUPPURATIVE, PELVIC,-SLIGHT
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
ADRENAL, CORTEX (AC) :
-ANGIECTASIS,-MODERATE
-HYPERTROPHY, CORTICAL CELL,-MINIMAL
BONE, FEMUR (FE) :
-HYPERPLASIA, CARTILAGE,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92955 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/17/00 STUDY DAY OF DEATH: 638 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: 331.9 GRAMS
DATE AND TIME OF NECROPSY: 01/17/00 14:21 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 11 X 10 X 7 MM, RED, TAN, VASCULAR AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	SKIN (SK) : -CRUSTED AREA(S); DORSAL CERVICAL REGION: SINGLE TAN DRY CRUSTED AREA, 2 MM IN DIAMETER (CAP 21)	SKIN (SK) : -ACANTHOSIS/HYPERKERATOSIS,-SLIGHT -INFLAMMATION, CHRONIC,-MODERATE
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 50 X 32 X 15 MM, TAN AND FIRM; SAME ON CUT SURFACE (CAP 22); REGIONAL LN (INGUINAL) NOT IDENTIFIED -MASS #2; RIGHT INGUINAL REGION: SINGLE MASS, 33 X 24 X 15 MM, TAN AND FIRM; SAME ON CUT SURFACE (CAP 23); REGIONAL LN (INGUINAL) NOT IDENTIFIED -MASS #3; RIGHT INGUINAL REGION, CRANIAL TO MASS 2: SINGLE MASS, 35 X 25 X 20 MM, TAN AND FIRM; SAME ON CUT SURFACE; (CAP 24); REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -M-CARCINOMA,-NEOPLASM PRESENT -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT -HYPERPLASIA, GLANDULAR,-MODERATELY SEVERE >NOTE:>MASS #3 IS THE CARCINOMA
		URINARY BLADDER (UB) : -INFILTRATE, LYMPHOHISTIOCYTIC,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92955 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/17/00 STUDY DAY OF DEATH: 638 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: 331.9 GRAMS
DATE AND TIME OF NECROPSY: 01/17/00 14:21 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		URINARY BLADDER (UB) : -HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT
	UTERUS (UT) : -THICKENED WALL; BILATERAL, DIFFUSE -LARGE, DIFFUSE; BILATERAL: UP TO 6 MM IN DIAMETER	UTERUS (UT) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-SEVERE
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN -STAINS-PERINEUM/PERIANAL; DRY BROWN MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92955 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/17/00 STUDY DAY OF DEATH: 638 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: 331.9 GRAMS
DATE AND TIME OF NECROPSY: 01/17/00 14:21 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92956 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/28/00 STUDY DAY OF DEATH: 709 STUDY WEEK OF DEATH: 102 TERMINAL BODY WEIGHT: 558.7 GRAMS
DATE AND TIME OF NECROPSY: 03/28/00 11:50 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); INGUINAL REGION-LEFT; WEEK 82; 40 X 50MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>SKIN & PELAGE; BLUE SKIN; VENTRAL-ABDOMINAL-LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) :	LIVER (LI) :
	-RED FOCUS(I)/AREA(S); LEFT LATERAL LOBE: MULTIPLE DARK RED AREAS, UP TO 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION	-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT
>SKIN & PELAGE; SORE/SCAB; VENTRAL-ABDOMINAL-LEFT; VERIFIED AT NECROPSY: OBSERVED		-HEMATOPOIESIS, EXTRAMEDULLARY,-MODERATE
		-HYPERPLASIA, BILE DUCT,-SLIGHT
		-FIBROSIS, PERIBILIARY,-SLIGHT
		-VACUOLATION, HEPATOCELLULAR,-SLIGHT
	KIDNEY (KD) :	KIDNEY (KD) :
	-DIFFUSELY DARK; BILATERAL: DARK BROWN	-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
		-MINERALIZATION, PELVIC,-SLIGHT
	SPLEEN (SP) :	SPLEEN (SP) :
	-LARGE; 65 X 15 X 13 MM	-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SEVERE
	-ADHESION(S); PARIETAL SURFACE OF CAUDAL END TO ADIPOSE TISSUE: MULTIPLE GRAY FIBROUS ADHESIONS; COLLECTED INTACT	-HEMORRHAGE,-PRESENT
		-NECROSIS,-MODERATE
	-MOTTLED; TAN, RED AND DARK RED	
		PANCREAS (PA) :
		-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92956 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/28/00 STUDY DAY OF DEATH: 709 STUDY WEEK OF DEATH: 102 TERMINAL BODY WEIGHT: 558.7 GRAMS
DATE AND TIME OF NECROPSY: 03/28/00 11:50 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-MODERATELY SEVERE -INFLAMMATION, VASCULAR,-MODERATE
	ADRENAL, CORTEX (AC) : -LARGE; BILATERAL: LEFT IS 8 X 5 X 5 MM, RIGHT IS 5 X 4 X 4 MM -MOTTLED; BILATERAL: DARK RED AND BROWN	ADRENAL, CORTEX (AC) : -HEMATOPOIESIS, EXTRAMEDULLARY,-SLIGHT -HYPERTROPHY, CORTICAL CELL,-SEVERE -DEGENERATION, CYSTIC / HEMORRHAGIC,-MODERATELY SEVERE -PIGMENT,-SLIGHT
		ADRENAL, MEDULLA (MA) : -HYPERPLASIA, MEDULLARY,-MINIMAL
	OVARY (OV) : -CYST(S); LEFT: SINGLE CLEAR FLUID FILLED CYST, 3 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT
		MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,-SEVERE
		MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-SEVERE
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT
		LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL -INFLAMMATION, VASCULAR,-SLIGHT
		THYROID (TY) : -HYPERPLASIA, C-CELL,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92956 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/28/00 STUDY DAY OF DEATH: 709 STUDY WEEK OF DEATH: 102 TERMINAL BODY WEIGHT: 558.7 GRAMS
DATE AND TIME OF NECROPSY: 03/28/00 11:50 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 8 X 7 X 5 MM, TAN, RED AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT PERIANAL REGION EXTENDING TO LEFT INGUINAL REGION: SINGLE MASS, 50 X 30 X 25 MM, TAN, GRAY, RED, DARK RED, LOBULATED AND FIRM; SAME ON CUT SURFACE; REGIONAL LN (SEE INGUINAL); OVERLYING SKIN IS ULCERATED, 40 X 20 MM; COLLECTED INTACT WITH MASS -THICKENED; ALL REGIONS: DIFFUSE; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -M-CARCINOMA,-NEOPLASM PRESENT -CYST / GALACTOCELE,-PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	LN, INGUINAL (IN) : -LARGE; BILATERAL: LEFT IS 6 X 5 X 4 MM, RIGHT IS 5 X 4 X 3 MM (CAP 21)	LN, INGUINAL (IN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SEVERE
	LN, ANT MES/PANC (AP) : -LARGE; PANCREATIC: UP TO 2 X 2 X 1 MM (CAP 23) -DIFFUSELY RED; PANCREATIC: DARK RED (CAP 23)	LN, ANT MES/PANC (AP) : -HEMORRHAGE,-PRESENT -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92956 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/28/00 STUDY DAY OF DEATH: 709 STUDY WEEK OF DEATH: 102 TERMINAL BODY WEIGHT: 558.7 GRAMS
DATE AND TIME OF NECROPSY: 03/28/00 11:50 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LN, MESENTERIC (MS), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

PAGE: 1404

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92957 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 523.0 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 8:18 PROSECTOR: STEVE VAN ADESTINE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 63; 100 X 80MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MODERATE -HYPERPLASIA, BILE DUCT,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-MODERATE -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT
	LN, MESENTERIC (MS) : -LARGE; UP TO 10 X 6 X 5 MM	LN, MESENTERIC (MS) : >UNREMARKABLE
		LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); RIGHT POSTERIOR ASPECT: SINGLE DARK RED, SLIGHTLY RAISED AREA, 3 X 2 MM	PITUITARY (PI) : -HYPERPLASIA,-SLIGHT
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN AREAS, UP TO 4 X 1 MM	STOMACH, GL (ST) : >UNREMARKABLE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92957 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 523.0 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 8:18 PROSECTOR: STEVE VAN ADESTINE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	COLON (CO) : -MASS(ES); 28 MM DISTAL TO CECUM, ATTACHED TO SEROSAL SURFACE: SINGLE MASS, 13 X 10 X 7 MM, TAN, YELLOW, AND FIRM; SAME ON CUT SURFACE (CAP 22); REGIONAL LN (SEE MESENTERIC)	COLON (CO) : -B-LEIOMYOMA,-NEOPLASM PRESENT
	SKIN (SK) : >NOTE:>ROUTINE SECTION COLLECTED FROM RIGHT INGUINAL REGION DUE TO MASS ON THE LEFT INGUINAL REGION	SKIN (SK) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE -HEMORRHAGE,-PRESENT -B-LIPOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 120 X 95 X 40 MM (237 GRAMS), TAN, SOFT, AND LOBULATED; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (INGUINAL) NOT IDENTIFIED -CYST(S); RIGHT INGUINAL REGION: SINGLE TAN CREAMY FLUID FILLED CYST, 20 X 15 X 10 MM; COLLECTED ON ROUTINE SECTION >NOTE:>ROUTINE SECTION COLLECTED FROM RIGHT INGUINAL REGIONAL DUE TO MASS ON THE LEFT INGUINAL REGION	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT >NOTE:>SEE SKIN FOR DIAGNOSIS OF MASS
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92957 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 523.0 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 8:18 PROSECTOR: STEVE VAN ADESTINE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
THYROID (TY), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92958 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/29/99 STUDY DAY OF DEATH: 619 STUDY WEEK OF DEATH: 89 TERMINAL BODY WEIGHT: 327.2 GRAMS
DATE AND TIME OF NECROPSY: 12/29/99 10:45 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; RECUMBENT; LATERAL; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

EYE (EY) :
-DYSTROPHY, CORNEAL IN EARLY STAGES, CONSISTS PRIMARILY OF FOCAL MINERALIZATION,-MINIMAL
BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MINIMAL
-HYPERPLASIA, BILE DUCT,-MINIMAL
KIDNEY (KD) :
-MINERALIZATION, PELVIC,-MODERATE
-HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
ADRENAL, CORTEX (AC) :
-DEGENERATION, CYSTIC / HEMORRHAGIC,-SLIGHT
-PIGMENT,-SLIGHT
LUNG (LU) :
-INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92958 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/29/99 STUDY DAY OF DEATH: 619 STUDY WEEK OF DEATH: 89 TERMINAL BODY WEIGHT: 327.2 GRAMS
DATE AND TIME OF NECROPSY: 12/29/99 10:45 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 12 X 9 X 9 MM, DARK RED, GRAY AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		STOMACH, GL (ST) : -EDEMA,-MODERATE -INFLAMMATION, ACUTE,-SLIGHT
	VAGINA (VA) : -SEMIFLUID MATERIAL; WITHIN LUMEN: LIGHT GREEN AND MUCOID	VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92958 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/29/99 STUDY DAY OF DEATH: 619 STUDY WEEK OF DEATH: 89 TERMINAL BODY WEIGHT: 327.2 GRAMS
DATE AND TIME OF NECROPSY: 12/29/99 10:45 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92959 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/28/00 STUDY DAY OF DEATH: 680 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: 398.9 GRAMS
DATE AND TIME OF NECROPSY: 02/28/00 14:41 PROSECTOR: DENNIS HOFFMAN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; MISSING; TEETH; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>EYES; RED DISCHARGE; EYE-RIGHT; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; BROWN HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

LIVER (LI) :
-MOTTLED; ALL LOBES : RED AND TAN; COLLECTED ON ROUTINE SECTIONS

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT
-MINERALIZATION, PELVIC,-SLIGHT
-INFLAMMATION, SUPPURATIVE, PELVIC,-SLIGHT
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-SEVERE
-INFILTRATION, FAT, INTERSTITIAL,-MODERATELY SEVERE
ADRENAL, CORTEX (AC) :
-HYPERPLASIA, CORTICAL,-SLIGHT
-PIGMENT,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92959 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/28/00 STUDY DAY OF DEATH: 680 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: 398.9 GRAMS
DATE AND TIME OF NECROPSY: 02/28/00 14:41 PROSECTOR: DENNIS HOFFMAN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		OVARY (OV) : -CYST,-PRESENT MARROW, FEMUR (FM) : -HYPOCELLULAR, MARROW,-MODERATELY SEVERE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE HEART (HT) : -CARDIOMYOPATHY,-MINIMAL THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 10 X 7 X 6 MM, SOFT, DARK RED, AND TAN	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: MULTIPLE TAN ERODED AREAS, UP TO 1 X 2 MM	STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-MODERATE -ULCERATION,-MINIMAL -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE MAMMARY, FEMALE (MF) : -HYPERPLASIA, GLANDULAR,-MODERATELY SEVERE CERVIX (CV) : -HYPERPLASIA, MUCINOUS,-MODERATE -EXUDATE, LUMINAL,-PRESENT
	VAGINA (VA) : -SEMIFLUID MATERIAL; WITHIN LUMEN: LIGHT GREEN MUCOID MATERIAL	VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT -HYPERPLASIA, MUCINOUS,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92959 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/28/00 STUDY DAY OF DEATH: 680 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: 398.9 GRAMS
DATE AND TIME OF NECROPSY: 02/28/00 14:41 PROSECTOR: DENNIS HOFFMAN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-MALOCCLUSION; LEFT UPPER INCISOR
-TEETH MISSING/BROKEN/WORN; RIGHT UPPER INCISOR: MISSING
-DISCHARGE-OCULAR; BILATERAL: DARK RED DRY MATERIAL
-STAINS-PERINEUM/PERIANAL; MOIST BROWN MATERIAL

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-NEOPLASM, PITUITARY,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92959 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/28/00 STUDY DAY OF DEATH: 680 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: 398.9 GRAMS
DATE AND TIME OF NECROPSY: 02/28/00 14:41 PROSECTOR: DENNIS HOFFMAN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92960 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 655.0 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 7:21 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); INGUINAL REGION-LEFT; WEEK 72; 120 X 80MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT -HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-MODERATE -ANGIECTASIS,-SLIGHT
	ADRENAL, CORTEX (AC) : -LARGE; BILATERAL: LEFT IS 9 X 6 X 4 MM, RIGHT IS 7 X 6 X 4 MM	ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-MODERATE -DEGENERATION, CYSTIC / HEMORRHAGIC,-MODERATE -PIGMENT,-SLIGHT
	OVARY (OV) : -CYST(S); LEFT: SINGLE CLEAR FLUID FILLED CYST, 2 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT
		LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL -HYPERPLASIA, TYPE II PNEUMOCYTE,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 6 X 6 X 4 MM, RED, DARK RED, TAN, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		SKIN (SK) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92960 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 655.0 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 7:21 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	SKIN (SK) : >NOTE:>ROUTINE SECTION TAKEN FROM RIGHT INGUINAL REGION DUE TO MASS MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 135 X 75 X 60 MM (291.7 GRAMS), RED, DARK RED, TAN, GREY, AND FIRM, SAME ON CUT SURFACE; PORTION COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED >NOTE:>ROUTINE SECTION COLLECTED FROM RIGHT INGUINAL REGION, DUE TO MASS GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,-NEOPLASM PRESENT -HYPERPLASIA, GLANDULAR,-MINIMAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92960 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 655.0 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 7:21 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
KIDNEY (KD), PANCREAS (PA), ADRENAL, MEDULLA (MA), THYROID (TY), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92961 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/10/00 STUDY DAY OF DEATH: 691 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: 621.8 GRAMS
DATE AND TIME OF NECROPSY: 03/10/00 10:56 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); INGUINAL REGION-LEFT; WEEK 76; 120 X 70MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) :
		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		-DEGENERATION, CYSTIC,-MINIMAL
>APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE		-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL
		-HYPERPLASIA, BILE DUCT,-MINIMAL
>APPEARANCE; LIMITED USE; LIMB-HIND-LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE		-HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
		-INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		-HEMORRHAGE,-PRESENT
>SKIN & PELAGE; BLUE SKIN; VENTRAL-ABDOMINAL-LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
		-MINERALIZATION, PELVIC,-MINIMAL
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		SPLEEN (SP) :
		-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MINIMAL
	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
	-LARGE; LEFT: 5 X 5 X 3 MM (RIGHT IS 5 X 3 X 2 MM)	-HYPERTROPHY, CORTICAL CELL,-MODERATE
		-DEGENERATION, CYSTIC / HEMORRHAGIC,-MODERATE
		-PIGMENT,-MODERATE
		-ATROPHY, CORTICAL,-MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92961 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/10/00 STUDY DAY OF DEATH: 691 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: 621.8 GRAMS
DATE AND TIME OF NECROPSY: 03/10/00 10:56 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,-MODERATE MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-MODERATE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 14 X 9 X 8 MM, RED, DARK RED, TAN, AND SOFT STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: TWO TAN ULCERATED AREAS, ONE IS 10 X 4 MM, THE OTHER IS 3 X 2 MM SKIN (SK) : >NOTE:>ROUTINE SECTION COLLECTED FROM RIGHT INGUINAL REGION DUE TO MASS	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-MODERATE -ULCERATION,-MODERATELY SEVERE -INFLAMMATION, CHRONIC-ACTIVE,-SEVERE
		MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -INFLAMMATION, CHRONIC-ACTIVE,-SEVERE -B-ADENOMA,-NEOPLASM PRESENT -FIBROSIS,-SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92961 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/10/00 STUDY DAY OF DEATH: 691 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: 621.8 GRAMS
DATE AND TIME OF NECROPSY: 03/10/00 10:56 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION, EXTENDING INTO LEFT PERIANAL REGION: SINGLE MASS, 140 X 70 X 30 MM, RED, DARK RED, TAN, AND SOFT; CUT SURFACE EXUDES A LARGE AMOUNT OF A REDDISH-BROWN SEMIFLUID; PORTION COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED >NOTE:>ROUTINE SECTION COLLECTED FROM RIGHT INGUINAL REGION DUE TO MASS	
	UTERUS (UT) : -CYST(S); RIGHT PROXIMAL HORN, WITHIN LUMEN: SINGLE DARK RED FLUID FILLED CYST, 5 MM IN DIAMETER	UTERUS (UT) : -B-POLYP, ENDOMETRIAL, STROMAL,-NEOPLASM PRESENT -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-SLIGHT VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN GENERAL INFORMATION (XX) : >NOTE:>ANIMAL IDENTIFICATION TRANSPONDER DAMAGED AT NECROPSY	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92961 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/10/00 STUDY DAY OF DEATH: 691 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: 621.8 GRAMS
DATE AND TIME OF NECROPSY: 03/10/00 10:56 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92962 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 252.6 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 11:17 PROSECTOR: STEVE VAN ADESTINE RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0267	.0106 %	.0127	WEIGHT TAKEN
RT ADRENAL (AD1)	.0248	.0098 %	.0118	WEIGHT TAKEN
BRAIN (BR)	2.1071	.8342 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	.9178	.3633 %	.4356	WEIGHT TAKEN
RT KIDNEY (KD1)	.9077	.3593 %	.4308	WEIGHT TAKEN
LIVER (LI)	7.6198	3.0165 %	3.6162	WEIGHT TAKEN
LUNG (LU)	1.4824	.5869 %	.7035	WEIGHT TAKEN
LF OVARY (OV0)	.0547	.0217 %	.0260	WEIGHT TAKEN
RT OVARY (OV1)	.0614	.0243 %	.0291	WEIGHT TAKEN
SPLEEN (SP)	.4245	.1681 %	.2015	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0071	.0028 %	.0034	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0086	.0034 %	.0041	WEIGHT TAKEN
UTERUS (UT)	.4418	.1749 %	.2097	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR,-SLIGHT
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92962 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 252.6 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 11:17 PROSECTOR: STEVE VAN ADESTINE RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS | NECROPSY | HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92963 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/04/00 STUDY DAY OF DEATH: 656 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 332.3 GRAMS
DATE AND TIME OF NECROPSY: 02/04/00 13:49 PROSECTOR: TONY HANFELD RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 68; 60 X 50MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); AXILLARY REGION-LEFT; WEEK 72; 30 X 30MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 83; 15 X 15MM; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; BLACK SKIN; VENTRAL-ABDOMINAL-RIGHT; VERIFIED AT NECROPSY: NOT OBSERVED
>SKIN & PELAGE; SORE/SCAB; VENTRAL-ABDOMINAL-RIGHT; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-NECROSIS, COAGULATIVE,-MINIMAL
-HEMATOPOIESIS, EXTRAMEDULLARY,-SLIGHT
-HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
SPLEEN (SP) :
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATELY SEVERE
ADRENAL, CORTEX (AC) :
-ANGIECTASIS,-MODERATE
-HYPERPLASIA, CORTICAL,-MINIMAL
-PIGMENT,-SLIGHT
MARROW, FEMUR (FM) :
-HYPERPLASIA, ERYTHROID, MARROW,-MODERATELY SEVERE
MARROW, STERNUM (SE) :
-HYPERPLASIA, ERYTHROID, MARROW,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92963 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/04/00 STUDY DAY OF DEATH: 656 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 332.3 GRAMS
DATE AND TIME OF NECROPSY: 02/04/00 13:49 PROSECTOR: TONY HANFELD RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL
	PITUITARY (PI) : -MASS(ES); 10 X 6 X 5 MM, RED, DARK RED, TAN, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 33 X 28 X 18 MM, RED, DARK RED, TAN, FIRM, AND LOBULATED; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 21) -MASS #2; LEFT INGUINAL REGION: SINGLE MASS, 30 X 18 X 15 MM, TAN, FIRM, AND LOBULATED; SOME SECTIONS EXUDE A TAN, CASEOUS MATERIAL; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED -MASS #3; RIGHT INGUINAL REGION: SINGLE MASS, 73 X 45 X 25 MM, RED, DARK RED, TAN, LOBULATED AND FIRM; SOME SECTIONS EXUDE A LIGHT BROWN, CASEOUS SEMISOLID, OTHERS EXUDE A DARK BROWN FLUID; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED; OVERLYING SKIN HAS A SINGLE DARK RED AND TAN ULCERATED AREA, 20 MM IN DIAMETER; COLLECTED INTACT WITH MASS	MAMMARY, FEMALE (MF) : -M-CARCINOMA,- 2 NEOPLASMS PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT >NOTE:>MASS #3 IS THE FIBROADENOMA. MASS #2 HAS CONSIDERABLE SQUAMOUS METAPLASIA

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92963 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/04/00 STUDY DAY OF DEATH: 656 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 332.3 GRAMS
DATE AND TIME OF NECROPSY: 02/04/00 13:49 PROSECTOR: TONY HANFELD RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	UTERUS (UT) : -CYST(S); BILATERAL, WITHIN WALLS: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 3 MM IN DIAMETER GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL UPPER INCISORS	UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-MODERATELY SEVERE CAUSE OF DEATH (CD) : -NEOPLASM, MAMMARY GLAND,-PRESENT LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92963 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/04/00 STUDY DAY OF DEATH: 656 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 332.3 GRAMS
DATE AND TIME OF NECROPSY: 02/04/00 13:49 PROSECTOR: TONY HANFELD RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92964 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 494.9 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 12:55 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) :
		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
>MASS(ES); VENTRAL-CERVICAL; WEEK 83; 30 X 30MM; VERIFIED AT NECROPSY: OBSERVED		-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
		-HYPERPLASIA, BILE DUCT,-MINIMAL
		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
		-MINERALIZATION, PELVIC,-MINIMAL
	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
	-LARGE; LEFT: 10 X 8 X 6 MM (RIGHT IS 6 X 4 X 4 MM)	-HYPERTROPHY, CORTICAL CELL,-MINIMAL
		-PIGMENT,-MINIMAL
		ADRENAL, MEDULLA (MA) :
		-B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT
	PITUITARY (PI) :	PITUITARY (PI) :
	-LARGE; 7 X 6 X 4 MM; APPEARS SWOLLEN	-B-ADENOMA,-NEOPLASM PRESENT
		-HYPERPLASIA,-SLIGHT
	STOMACH, GL (ST) :	STOMACH, GL (ST) :
	-THICKENED WALL; DIFFUSE	>UNREMARKABLE
		MAMMARY, FEMALE (MF) :
		-M-CARCINOMA,-NEOPLASM PRESENT
		-B-FIBROADENOMA,-NEOPLASM PRESENT
		>NOTE:>MASS #2 IS THE FIBROADENOMA

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92964 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 494.9 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 12:55 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); MID VENTRAL CERVICAL REGION: SINGLE MASS, 35 X 30 X 20 MM, TAN, RED, FIRM AND CYSTIC; SOME AREAS EXUDE A CLEAR FLUID; COLLECTED; REGIONAL LN (MANDIBULAR) NORMAL; COLLECTED -MASS #2; LEFT INGUINAL REGION: SINGLE MASS, 32 X 22 X 10 MM, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	
	UTERUS (UT) : -CYST(S); BILATERAL, WITHIN WALLS: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 4 MM IN DIAMETER	UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-MINIMAL
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
		LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATELY SEVERE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -MALOCCLUSION; BILATERAL, UPPER INCISORS	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92964 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 494.9 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 12:55 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), LUNG (LU), THYROID (TY), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92965 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/13/99 STUDY DAY OF DEATH: 573 STUDY WEEK OF DEATH: 82 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/13/99 7:58 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL; WEEK 60; 45 X 60MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-DILATATION, VENTRICULAR,-PRESENT
		-COMPRESSION, VENTRAL,-PRESENT
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) :
		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE		SPLEEN (SP) :
		-PIGMENT, INCREASED,-MODERATE
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		ADRENAL, CORTEX (AC) :
		-DEGENERATION, CYSTIC / HEMORRHAGIC,-MINIMAL
		-PIGMENT,-MINIMAL
		THYMUS (TH) :
		-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT
	LUNG (LU) :	LUNG (LU) :
	-UNCOLLAPSED; ALL LOBES	-INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL
		HEART (HT) :
		-CARDIOMYOPATHY,-MINIMAL
		MUSCLE, SKELETAL (SM) :
		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92965 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/13/99 STUDY DAY OF DEATH: 573 STUDY WEEK OF DEATH: 82 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/13/99 7:58 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 9 X 8 X 8 X MM, DARK RED, GREY, TAN, LOBULATED AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		ILEUM (IL) : >AUTOLYTIC
	SKIN (SK) : >NOTE:>DUE TO MASS ON LEFT INGUINAL REGION, ROUTINE SECTION TAKEN FROM RIGHT	
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 58 X 43 X 42 MM, RED, GREY, TAN, VASCULAR AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (INGUINAL) NORMAL (CAP 21) -CYST(S); RIGHT INGUINAL REGION: SINGLE WHITE, CREAMY SEMIFLUID FILLED CYST, 5 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION (SEE NECROPSY NOTES) >NOTE:>DUE TO MASS ON LEFT INGUINAL REGION, ROUTINE SECTION TAKEN FROM RIGHT	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT
		VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92965 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/13/99 STUDY DAY OF DEATH: 573 STUDY WEEK OF DEATH: 82 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/13/99 7:58 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-DISCHARGE-OCULAR; BILATERAL: DRY, RED MATERIAL
-ANIMAL THIN

HISTOPATHOLOGY

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), KIDNEY (KD), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN), LN, INGUINAL (IN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92966 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/03/99 STUDY DAY OF DEATH: 502 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 09/03/99 15:08 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE	-COMPRESSED (HYPOTHALAMUS)	-DILATATION, VENTRICULAR,-PRESENT
>APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE		-COMPRESSION, VENTRAL,-PRESENT
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) :
		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		-HYPERPLASIA, BILE DUCT,-MODERATE
		-FIBROSIS, PERIBILIARY,-SLIGHT
		-HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-MINIMAL
		KIDNEY (KD) :
		-CYST,-PRESENT
		SPLEEN (SP) :
		-PIGMENT, INCREASED,-SLIGHT
		ADRENAL, CORTEX (AC) :
		-PIGMENT,-MINIMAL
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 10 X 7 X 6 MM, RED, DARK RED, TAN AND FIRM	-B-ADENOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) :
		-NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) :	
	-BLOOD FILM TAKEN	
	-ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92966 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/03/99 STUDY DAY OF DEATH: 502 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 09/03/99 15:08 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92967 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 285.4 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 10:07 PROSECTOR: DONIA MEYER RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0362	.0127 %	.0201	WEIGHT TAKEN
RT ADRENAL (AD1)	.0327	.0115 %	.0182	WEIGHT TAKEN
BRAIN (BR)	1.8011	.6311 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.1299	.3959 %	.6273	WEIGHT TAKEN
RT KIDNEY (KD1)	1.1418	.4001 %	.6339	WEIGHT TAKEN
LIVER (LI)	8.5559	2.9979 %	4.7504	WEIGHT TAKEN
LUNG (LU)	1.4342	.5025 %	.7963	WEIGHT TAKEN
LF OVARY (OV0)	.0683	.0239 %	.0379	WEIGHT TAKEN
RT OVARY (OV1)	.0575	.0201 %	.0319	WEIGHT TAKEN
SPLEEN (SP)	.5138	.1800 %	.2853	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0095	.0033 %	.0053	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0090	.0032 %	.0050	WEIGHT TAKEN
UTERUS (UT)	.8051	.2821 %	.4470	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92967 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 285.4 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 10:07 PROSECTOR: DONIA MEYER RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92968 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 08/09/99 STUDY DAY OF DEATH: 477 STUDY WEEK OF DEATH: 69 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 08/09/99 14:51 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		EYE (EY) : -INFLAMMATION, ACUTE,-SLIGHT
>EYES; DILATED PUPIL; EYES; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -HEMORRHAGE,-MINIMAL -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL -THROMBUS,-PRESENT
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		KIDNEY (KD) : -MINERALIZATION, PELVIC,-MODERATE
		SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MINIMAL
		ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE -PIGMENT,-MINIMAL
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL
	LUNG (LU) : -UNCOLLAPSED; ALL LOBES	LUNG (LU) : -CONGESTION,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92968 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 08/09/99 STUDY DAY OF DEATH: 477 STUDY WEEK OF DEATH: 69 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 08/09/99 14:51 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 15 X 10 X 10 MM, RED, DARK RED, GREY, TAN, LOBULATED AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		JEJUNUM (JE) : >AUTOLYTIC
		ILEUM (IL) : >AUTOLYTIC
		CECUM (CE) : >AUTOLYTIC
		MAMMARY, FEMALE (MF) : -HYPERPLASIA, GLANDULAR,-SLIGHT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -DISCHARGE-OCULAR; BILATERAL: DRY, RED MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92968 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 08/09/99 STUDY DAY OF DEATH: 477 STUDY WEEK OF DEATH: 69 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 08/09/99 14:51 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92969 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 178.3 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 11:08 PROSECTOR: LYNN HORNER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LF KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	6.3530	3.5640 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LF OVARY (OV0)	--------	--------	--------	NOT TAKEN
RT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92969 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 178.3 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 11:08 PROSECTOR: LYNN HORNER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92970 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 344.8 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 7:43 PROSECTOR: DAVID SCHUETTE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED >EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) ADRENAL, CORTEX (AC) : -LARGE; LEFT: 6 X 4 X 4 MM (RIGHT IS 5 X 3 X 3 MM) -MOTTLED; LEFT: DARK BROWN AND TAN OVARY (OV) : -CYST(S); BILATERAL: SINGLE CLEAR FLUID FILLED CYST ON EACH, LEFT IS 5 MM IN DIAMETER, RIGHT IS 10 MM IN DIAMETER	BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-SLIGHT -FIBROSIS, PERIBILIARY,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-MINIMAL ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT -PIGMENT,-SLIGHT OVARY (OV) : -CYST,-PRESENT LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92970 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 344.8 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 7:43 PROSECTOR: DAVID SCHUETTE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 10 X 8 X 6 MM, TAN, DARK RED, RED, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) : -HYPERPLASIA, GLANDULAR,-MODERATELY SEVERE
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	FOOT/FOOTPAD (FP) : -ABRASION(S)/ULCERATION(S); RIGHT HINDFOOT: SINGLE MOIST TAN ULCERATED AREA, 7 MM IN DIAMETER; COLLECTED	FOOT/FOOTPAD (FP) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE -ACANTHOSIS / HYPERKERATOSIS,-MODERATE -FIBROSIS,-MODERATELY SEVERE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92970 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 344.8 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 7:43 PROSECTOR: DAVID SCHUETTE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), ADRENAL, MEDULLA (MA), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92971 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/03/00 STUDY DAY OF DEATH: 624 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: 564.5 GRAMS
DATE AND TIME OF NECROPSY: 01/03/00 11:07 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>MASS(ES); INGUINAL REGION-LEFT; WEEK 67; 110 X 110MM; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>SKIN & PELAGE; SORE/SCAB; VENTRAL-ABDOMINAL-LEFT; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) :	LIVER (LI) :
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	-DIFFUSELY LIGHT; ALL LOBES: TAN	-NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL
		-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
		-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
		-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-SLIGHT
		-NECROSIS, COAGULATIVE,-MINIMAL
		-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL
		-HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-MODERATE
	KIDNEY (KD) :	KIDNEY (KD) :
	-CYST(S); LEFT, MEDULLA: SINGLE CLEAR FLUID FILLED CYST, 3 MM IN DIAMETER	-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
		-MINERALIZATION, PELVIC,-SLIGHT
		-HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT
		SPLEEN (SP) :
		-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATELY SEVERE
		PANCREAS (PA) :
		-ZYMOGEN GRANULES, DECREASED,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92971 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/03/00 STUDY DAY OF DEATH: 624 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: 564.5 GRAMS
DATE AND TIME OF NECROPSY: 01/03/00 11:07 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PANCREAS (PA) : -HYPERPLASIA, ISLET CELLS,-SLIGHT
	ADRENAL, CORTEX (AC) : -LARGE; BILATERAL: EACH IS 9 X 7 X 7 MM	ADRENAL, CORTEX (AC) : -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL -DEGENERATION, CYSTIC / HEMORRHAGIC,-MODERATE
		MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,-MODERATELY SEVERE
		MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-MODERATELY SEVERE
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE
		LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT
		HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
		THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 9 X 9 X 8 MM, RED, TAN, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92971 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/03/00 STUDY DAY OF DEATH: 624 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: 564.5 GRAMS
DATE AND TIME OF NECROPSY: 01/03/00 11:07 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 140 X 130 X 50 MM (303.4 GRAMS), RED, TAN, GRAY, LOBULATED AND FIRM; CUT SURFACE CONTAINS A TAN CREAMY SEMIFLUID; PORTION COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED; OVERLYING SKIN HAS A SINGLE DARK RED ABRADED AREA, 50 MM IN DIAMETER; COLLECTED INTACT	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT
	UTERUS (UT) : -CYST(S); RIGHT HORN, WITHIN WALL: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 3 MM IN DIAMETER	UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-MODERATE
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92971 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/03/00 STUDY DAY OF DEATH: 624 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: 564.5 GRAMS
DATE AND TIME OF NECROPSY: 01/03/00 11:07 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92972 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/18/00 STUDY DAY OF DEATH: 670 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 272.9 GRAMS
DATE AND TIME OF NECROPSY: 02/18/00 8:45 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED >MASS(ES); SHOULDER-RIGHT; WEEK 72; 55 X 40MM; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED >BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE >EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-MODERATE
	ADRENAL, CORTEX (AC) : -LARGE; BILATERAL: EACH IS 6 MM IN DIAMETER	ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE -PIGMENT,-SLIGHT ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 11 X 10 X 9 MM, RED, DARK RED, TAN, LOBULATED, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92972 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/18/00 STUDY DAY OF DEATH: 670 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 272.9 GRAMS
DATE AND TIME OF NECROPSY: 02/18/00 8:45 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT DORSAL SHOULDER REGION: SINGLE MASS, 55 X 40 X 35 MM, RED, TAN, VASCULAR AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 21)	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT
	VAGINA (VA) : -SEMIFLUID MATERIAL; WITHIN LUMEN: LIGHT GREEN CREAMY SEMIFLUID MATERIAL	VAGINA (VA) : >UNREMARKABLE
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92972 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/18/00 STUDY DAY OF DEATH: 670 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 272.9 GRAMS
DATE AND TIME OF NECROPSY: 02/18/00 8:45 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92973 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 610.3 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 10:51 PROSECTOR: TONY HANFELD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LIVER (LI) : -MASS(ES); ALONG MARGIN OF LEFT LATERAL LOBE: SINGLE MASS, 7 X 3 X 3 MM, RED AND TAN; SAME ON CUT SURFACE (CAP 22); REGIONAL LN (HEPATIC) NOT IDENTIFIED LN, MESENTERIC (MS) : -DIFFUSELY RED	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-SLIGHT -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL -HYPERPLASIA, BILE DUCT,-SLIGHT -FIBROSIS, PERIBILIARY,-SLIGHT -B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-MINIMAL PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-SLIGHT LN, MESENTERIC (MS) : -HEMORRHAGE,-PRESENT LUNG (LU) : -N-CARCINOMA,-FROM THYROID THYROID (TY) : -M-CARCINOMA, C-CELL,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92973 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 610.3 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 10:51 PROSECTOR: TONY HANFELD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	THYROID (TY) : -MASS(ES); LEFT: SINGLE MASS, 10 MM IN DIAMETER, RED, TAN, AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (MEDIASTINAL) NOT IDENTIFIED	
	PITUITARY (PI) : -MASS(ES); 10 X 6 X 4 MM, RED, DARK RED, LOBULATED, AND FIRM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92973 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 610.3 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 10:51 PROSECTOR: TONY HANFELD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
MAMMARY, FEMALE (MF), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92974 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 332.1 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 7:50 PROSECTOR: JODI THIEREN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-CERVICAL-RIGHT; WEEK 104; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-SLIGHT -FIBROSIS, PERIBILIARY,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-SLIGHT -INFLAMMATION, SUPPURATIVE, PELVIC,-MINIMAL
	ADRENAL, CORTEX (AC) : -LARGE; BILATERAL: LEFT IS 9 MM IN DIAMETER, RIGHT IS 6 MM IN DIAMETER	ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-MODERATELY SEVERE -DEGENERATION, CYSTIC / HEMORRHAGIC,-SEVERE -PIGMENT,-MINIMAL ADRENAL, MEDULLA (MA) : -UNILATERALLY EXAMINED,-PRESENT THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92974 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 332.1 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 7:50 PROSECTOR: JODI THIEREN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 9 X 9 X 8 MM, DARK RED, RED, GRAY AND FIRM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT PECTORAL REGION: SINGLE MASS, 17 X 8 X 6 MM, TAN AND FIRM; ON CUT SECTION EXUDES A TAN CREAMY SEMIFLUID; COLLECTED; REGIONAL LN (SEE AXILLARY); POSSIBLY CONSISTENT WITH MASS (VENTRAL-CERVICAL-RIGHT) AS NOTED IN CLINICAL OBSERVATIONS	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT
		URINARY BLADDER (UB) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
	UTERUS (UT) : -CYST(S); LEFT, WITHIN WALL: SINGLE CLEAR FLUID FILLED CYST, 4 MM IN DIAMETER	UTERUS (UT) : -DILATATION,-MINIMAL
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, AXILLARY (AX) : -MOTTLED; BILATERAL: BROWN AND TAN (CAP 22)	LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92974 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 332.1 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 7:50 PROSECTOR: JODI THIEREN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), LUNG (LU), PARATHYROID (PT)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92975 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 492.7 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 7:27 PROSECTOR: JAMES T. CALLEN RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL; WEEK 89; 70 X 70MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : >UNREMARKABLE LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MODERATELY SEVERE -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL -HYPERPLASIA, BILE DUCT,-SLIGHT -FIBROSIS, PERIBILIARY,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-MINIMAL LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL
	THYROID (TY) : -LARGE; LEFT: 6 X 4 X 3 MM (RIGHT IS 4 X 2 X 1 MM) PITUITARY (PI) : -MASS(ES); 9 X 6 X 5 MM, RED, DARK RED, TAN, AND FIRM	THYROID (TY) : -B-ADENOMA, C-CELL,- 2 NEOPLASMS PRESENT PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92975 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 492.7 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 7:27 PROSECTOR: JAMES T. CALLEN RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); EXTENDS FROM LEFT TO RIGHT INGUINAL REGIONS: SINGLE MASS, 100 X 75 X 35 MM, RED, TAN, LOBULATED, AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92975 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 492.7 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 7:27 PROSECTOR: JAMES T. CALLEN RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92976 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/31/00 STUDY DAY OF DEATH: 712 STUDY WEEK OF DEATH: 102 TERMINAL BODY WEIGHT: 453.7 GRAMS
DATE AND TIME OF NECROPSY: 03/31/00 10:15 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 83; 50 X 50MM TWO MASSES APPEAR TO HAVE GROWN TOGETHER; VERIFIED AT NECROPSY: OBSERVED		EYE (EY) : -DEGENERATION, LENTICULAR,-MODERATELY SEVERE
	BRAIN (BR) :	BRAIN (BR) :
>EYES; RED DISCHARGE; EYE-LEFT; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-SLIGHT -NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL
>APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE		
	KIDNEY (KD) : -GRANULAR MATERIAL; LEFT, WITHIN PELVIS: MULTIPLE TAN PINPOINT GRANULES	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-SLIGHT -HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT
		SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT
		PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-SLIGHT
		ADRENAL, CORTEX (AC) : -UNILATERALLY EXAMINED,-PRESENT -M-CARCINOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92976 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/31/00 STUDY DAY OF DEATH: 712 STUDY WEEK OF DEATH: 102 TERMINAL BODY WEIGHT: 453.7 GRAMS
DATE AND TIME OF NECROPSY: 03/31/00 10:15 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	ADRENAL, CORTEX (AC) : -MASS(ES); INVOLVING ENTIRE RIGHT ADRENAL: SINGLE MASS, 25 X 20 X 17 MM, DARK RED, RED, TAN AND SOFT; SAME ON CUT SURFACE; COLLECTED AS ROUTINE SECTION; REGIONAL LN (RENAL) NORMAL (CAP 23)	ADRENAL, MEDULLA (MA) : -UNILATERALLY EXAMINED,-PRESENT THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL LUNG (LU) : -N-CARCINOMA,-FROM ADRENAL, CORTEX HEART (HT) : -CARDIOMYOPATHY,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-MODERATE -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 14 X 7 X 6 MM, DARK RED, RED, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92976 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/31/00 STUDY DAY OF DEATH: 712 STUDY WEEK OF DEATH: 102 TERMINAL BODY WEIGHT: 453.7 GRAMS
DATE AND TIME OF NECROPSY: 03/31/00 10:15 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 50 X 40 X 30 MM, RED, TAN, BROWN, LOBULATED AND FIRM; SAME ON CUT SURFACE; PORTION COLLECTED; REGIONAL LN (SEE INGUINAL)	
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	LN, INGUINAL (IN) : -LARGE; LEFT: 5 X 4 X 2 MM (RIGHT IS 3 X 2 X 1 MM) (CAP 21)	LN, INGUINAL (IN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT
		LN, RENAL (RL) : -INFILTRATE, MACROPHAGE, PIGMENTED,- SLIGHT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED DRY MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92976 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/31/00 STUDY DAY OF DEATH: 712 STUDY WEEK OF DEATH: 102 TERMINAL BODY WEIGHT: 453.7 GRAMS
DATE AND TIME OF NECROPSY: 03/31/00 10:15 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92977 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/05/00 STUDY DAY OF DEATH: 686 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/05/00 13:17 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -MOTTLED; ALL LOBES, DIFFUSE: RED AND TAN KIDNEY (KD) : -LARGE PELVIS(ES); BILATERAL -GRANULAR MATERIAL; BILATERAL, WITHIN PELVIS: MULTIPLE HARD TAN CALCULI	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MODERATELY SEVERE -DEGENERATION / NECROSIS, CENTRILOBULAR,-MINIMAL -LEUKOCYTOSIS, SINUSOIDAL,-MODERATE KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE -DILATATION, PELVIC,-MODERATE -MINERALIZATION, PELVIC,-MINIMAL SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATELY SEVERE PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-MODERATELY SEVERE ADRENAL, CORTEX (AC) : -HEMORRHAGE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92977 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/05/00 STUDY DAY OF DEATH: 686 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/05/00 13:17 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

ADRENAL, CORTEX (AC) :
-MASS(ES); LEFT, REPLACES ENTIRE ADRENAL: SINGLE MASS, 26 X 32 X 45 MM, SOFT, RED, DARK RED, TAN AND LOBULATED; SAME ON CUT SURFACE; REGIONAL LN (RENAL) NOT IDENTIFIED

HISTOPATHOLOGY

ADRENAL, MEDULLA (MA) :
-B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT
MARROW, FEMUR (FM) :
-HYPERPLASIA, ERYTHROID, MARROW,-SEVERE
MARROW, STERNUM (SE) :
-HYPERPLASIA, ERYTHROID, MARROW,-MODERATELY SEVERE
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT
HEART (HT) :
-CARDIOMYOPATHY,-SLIGHT
JEJUNUM (JE) :
>AUTOLYTIC
ILEUM (IL) :
>AUTOLYTIC
CECUM (CE) :
>AUTOLYTIC
COLON (CO) :
>AUTOLYTIC
MAMMARY, FEMALE (MF) :
-HYPERPLASIA, GLANDULAR,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92977 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/05/00 STUDY DAY OF DEATH: 686 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/05/00 13:17 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT
		CAUSE OF DEATH (CD) : -NEOPLASM, ADRENAL,-PRESENT
	FOOT/FOOTPAD (FP) : -CRUSTED AREA(S); RIGHT HINDFOOT: SINGLE DRY, DARK RED AREA, 5 X 7 MM; COLLECTED	FOOT/FOOTPAD (FP) : -INFLAMMATION, CHRONIC-ACTIVE,-SEVERE -ULCERATION,-MODERATELY SEVERE -ACANTHOSIS / HYPERKERATOSIS,- MODERATELY SEVERE -BACTERIA,-PRESENT
	GENERAL COMMENT (GC) : -DISCHARGE-ORAL; CLEAR MOIST MATERIAL -STAINS - SKIN/HAIRCOAT; ENTIRE VENTRAL SURFACE: DRY RED MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92977 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/05/00 STUDY DAY OF DEATH: 686 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/05/00 13:17 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92978 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 336.5 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 11:29 PROSECTOR: JODI THIEREN RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0367	.0109 %	.0177	WEIGHT TAKEN
RT ADRENAL (AD1)	.0305	.0091 %	.0147	WEIGHT TAKEN
BRAIN (BR)	2.0776	.6174 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.1629	.3456 %	.5597	WEIGHT TAKEN
RT KIDNEY (KD1)	1.1663	.3466 %	.5614	WEIGHT TAKEN
LIVER (LI)	9.9351	2.9525 %	4.7820	WEIGHT TAKEN
LUNG (LU)	1.4846	.4412 %	.7146	WEIGHT TAKEN
LF OVARY (OV0)	.0760	.0226 %	.0366	WEIGHT TAKEN
RT OVARY (OV1)	.0671	.0199 %	.0323	WEIGHT TAKEN
SPLEEN (SP)	.5013	.1490 %	.2413	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0086	.0026 %	.0041	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0102	.0030 %	.0049	WEIGHT TAKEN
UTERUS (UT)	.5278	.1568 %	.2540	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92978 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 336.5 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 11:29 PROSECTOR: JODI THIEREN RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92979 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/01/00 STUDY DAY OF DEATH: 622 STUDY WEEK OF DEATH: 89 TERMINAL BODY WEIGHT: 359.1 GRAMS
DATE AND TIME OF NECROPSY: 01/01/00 15:19 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>MASS(ES); AXILLARY REGION-RIGHT; WEEK 80; 40 X 35MM; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>DISCHARGE; GENITAL; RED IN COLOR; VERIFIED AT NECROPSY: NOT OBSERVED
>BEHAVIOR; COLD TO TOUCH; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)
LIVER (LI) :
-RED FOCUS(I)/AREA(S); DIAPHRAGMATIC SURFACE OF LEFT LATERAL LOBE: SINGLE DARK RED AREA, 6 MM IN DIAMETER; SUNKEN WITH A STELLATE PATTERN; COLLECTED ON ROUTINE SECTION

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MODERATE
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL
KIDNEY (KD) :
-MINERALIZATION, PELVIC,-MINIMAL
-MINERALIZATION, TUBULAR,-MINIMAL
SPLEEN (SP) :
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE
ADRENAL, CORTEX (AC) :
-ANGIECTASIS,-SLIGHT
-PIGMENT,-SLIGHT
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SEVERE
THYROID (TY) :
-HYPERPLASIA, C-CELL,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92979 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/01/00 STUDY DAY OF DEATH: 622 STUDY WEEK OF DEATH: 89 TERMINAL BODY WEIGHT: 359.1 GRAMS
DATE AND TIME OF NECROPSY: 01/01/00 15:19 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 8 X 7 X 6 MM, DARK RED AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: SINGLE TAN ERODED AREA, 7 X 3 MM	STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-MODERATELY SEVERE -ULCERATION,-SLIGHT -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 40 X 35 X 20 MM, RED, DARK RED, TAN, GRAY, LOBULATED AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 21)	MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,-NEOPLASM PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT
		VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT -HYPERPLASIA, MUCINOUS,-MODERATE
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -STAINS-PERINEUM/PERIANAL; YELLOW, BROWN AND MOIST	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92979 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/01/00 STUDY DAY OF DEATH: 622 STUDY WEEK OF DEATH: 89 TERMINAL BODY WEIGHT: 359.1 GRAMS
DATE AND TIME OF NECROPSY: 01/01/00 15:19 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92980 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/28/99 STUDY DAY OF DEATH: 435 STUDY WEEK OF DEATH: 63 TERMINAL BODY WEIGHT: 369.7 GRAMS
DATE AND TIME OF NECROPSY: 06/28/99 14:06 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-LEFT; WEEK 38; 30 X 25MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>SKIN & PELAGE; SORE/SCAB; AXILLARY REGION-LEFT; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	>UNREMARKABLE
>MASS(ES); LIMB-HIND-RIGHT; WEEK 55; 60 X 55MM; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) :	LIVER (LI) :
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	-LARGE; ALL LOBES: MARGINS APPEAR ROUNDED	-INFILTRATE, LYMPHOHISTIOCYTIC,-SLIGHT
	-MOTTLED; ALL LOBES: RED AND TAN	-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MINIMAL
		-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL
		-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL
		-HYPERPLASIA, BILE DUCT,-MINIMAL
		-HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-MODERATE
		-MITOSIS, HEPATOCELLULAR, INCREASED,-MODERATE
		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
	SPLEEN (SP) :	SPLEEN (SP) :
	-LARGE; 53 X 11 X 7 MM	-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATELY SEVERE
	-DIFFUSELY LIGHT; LIGHT RED	PANCREAS (PA) :
		-ZYMOGEN GRANULES, DECREASED,-MODERATE
	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
	-LARGE; BILATERAL: EACH IS 7 MM IN DIAMETER	-ANGIECTASIS,-SLIGHT
		-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92980 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/28/99 STUDY DAY OF DEATH: 435 STUDY WEEK OF DEATH: 63 TERMINAL BODY WEIGHT: 369.7 GRAMS
DATE AND TIME OF NECROPSY: 06/28/99 14:06 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,- MODERATELY SEVERE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),- MINIMAL LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL
	PITUITARY (PI) : -LARGE; 6 X 6 X 5 MM; APPEARS SWOLLEN -RED FOCUS(I)/AREA(S); RIGHT MID ASPECT: SINGLE DARK RED AREA, 3 X 2 MM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -RED FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK RED AREAS, UP TO 2 X 1 MM	STOMACH, GL (ST) : >UNREMARKABLE
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 30 X 20 X 10 MM, TAN, RED AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (SEE AXILLARY); OVERLYING SKIN IS ULCERATED, RED AND TAN, 20 X 12 MM; COLLECTED INTACT WITH MASS -THICKENED; ALL REGIONS: DIFFUSE; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -M-CARCINOMA,- 2 NEOPLASMS PRESENT -CYST / GALACTOCELE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92980 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/28/99 STUDY DAY OF DEATH: 435 STUDY WEEK OF DEATH: 63 TERMINAL BODY WEIGHT: 369.7 GRAMS
DATE AND TIME OF NECROPSY: 06/28/99 14:06 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS #2; RIGHT INGUINAL REGION: SINGLE MASS, 70 X 40 X 35 MM, TAN, RED, DARK RED, VASCULAR AND FIRM; SAME ON CUT SURFACE; PORTION COLLECTED; REGIONAL LN (INGUINAL) NORMAL (CAP 21)	
		VAGINA (VA) : >TISSUE MISSING
		CAUSE OF DEATH (CD) : -NEOPLASM, MAMMARY GLAND,-PRESENT
	LN, AXILLARY (AX) : -LARGE; LEFT: UP TO 9 X 7 X 3 MM (FOR COMPARISON, RIGHT IS UP TO 5 X 3 X 1 MM)(CAP 20)	LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,- MODERATE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL: LOWER INCISORS	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92980 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/28/99 STUDY DAY OF DEATH: 435 STUDY WEEK OF DEATH: 63 TERMINAL BODY WEIGHT: 369.7 GRAMS
DATE AND TIME OF NECROPSY: 06/28/99 14:06 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN), LN, INGUINAL (IN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92981 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/03/99 STUDY DAY OF DEATH: 502 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: 346.0 GRAMS
DATE AND TIME OF NECROPSY: 09/03/99 8:11 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) :	BRAIN (BR) :
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) :
>APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		SPLEEN (SP) :
		-PIGMENT, INCREASED,-SLIGHT
		PANCREAS (PA) :
		-HYPERTROPHY / BASOPHILIA, ACINAR CELL,-MINIMAL
		ADRENAL, CORTEX (AC) :
		-PIGMENT,-SLIGHT
		LUNG (LU) :
		-MINERALIZATION, VASCULAR,-MINIMAL
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 11 X 9 X 6 MM, RED, TAN, AND FIRM	-B-ADENOMA,-NEOPLASM PRESENT
		VAGINA (VA) :
		-HYPERPLASIA, MUCINOUS,-SLIGHT
		CAUSE OF DEATH (CD) :
		-NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) :	
	-BLOOD FILM TAKEN	
	-STAINS - SKIN/HAIRCOAT; ENTIRE HEAD: DRY RED MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92981 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/03/99 STUDY DAY OF DEATH: 502 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: 346.0 GRAMS
DATE AND TIME OF NECROPSY: 09/03/99 8:11 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), KIDNEY (KD), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92982 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 189.9 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 11:22 PROSECTOR: LYNN HORNER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LF KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	6.7810	3.5707 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LF OVARY (OV0)	--------	--------	--------	NOT TAKEN
RT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92982 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 189.9 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 11:22 PROSECTOR: LYNN HORNER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92983 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 372.3 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 9:44 PROSECTOR: TONY HANFELD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); INGUINAL REGION-LEFT; WEEK 94; 45 X 50MM; VERIFIED AT NECROPSY: OBSERVED >MASS(ES); VENTRAL-CERVICAL; WEEK 96; VERIFIED AT NECROPSY: NOT OBSERVED >EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-SLIGHT -HYPERPLASIA, BILE DUCT,-SLIGHT -FIBROSIS, PERIBILIARY,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-SLIGHT
	LN, MESENTERIC (MS) : -DIFFUSELY DARK; DARK GREEN	LN, MESENTERIC (MS) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 10 X 8 X 7 MM, RED, DARK RED, TAN, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	SKIN (SK) : >NOTE:>ROUTINE SECTION COLLECTED FROM RIGHT INGUINAL REGION DUE TO MASS ON LEFT INGUINAL REGION	SKIN (SK) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92983 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 372.3 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 9:44 PROSECTOR: TONY HANFELD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 58 X 45 X 25 MM, RED, DARK RED, TAN, LOBULATED, AND FIRM; SOME SECTIONS EXUDE A TAN CREAMY SEMISOLID; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED -THICKENED; ALL REGIONS DIFFUSE: COLLECTED ON ROUTINE SECTION >NOTE:>ROUTINE SECTION COLLECTED FROM RIGHT INGUINAL REGION DUE TO MASS ON LEFT INGUINAL REGION	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92983 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 372.3 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 9:44 PROSECTOR: TONY HANFELD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), LUNG (LU), THYROID (TY), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92984 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 498.7 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 8:14 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>MASS(ES); INGUINAL REGION-RIGHT; WEEK 75; 50 X 40MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 75; 50 X 40MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); AXILLARY REGION-LEFT; WEEK 93; 15 X 10MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); VENTRAL-ABDOMINAL; WEEK 104; 15 X 15MM; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-NECROSIS, INDIVIDUAL HEPATOCYTE,-SLIGHT
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MODERATE
-FIBROSIS, PERIBILIARY,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-MINERALIZATION, PELVIC,-SLIGHT
-MINERALIZATION, TUBULAR,-MINIMAL
LUNG (LU) :
-INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL
THYROID (TY) :
-HYPERPLASIA, C-CELL,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92984 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 498.7 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 8:14 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 10 X 9 X 6 MM, RED, DARK RED, TAN, AND SOFT MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 20 X 18 X 8 MM, TAN AND SOFT; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 22) -THICKENED; ALL REGIONS DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION -MASS #2; RIGHT INGUINAL REGION, EXTENDING INTO RIGHT PERIANAL REGION: MULTIPLE MASSES, UP TO 60 X 50 X 25 MM, ALL ARE TAN, RED, DARK RED, AND FIRM; ALL ARE SAME ON CUT SURFACE; PORTIONS COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92984 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 498.7 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 8:14 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92985 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/28/00 STUDY DAY OF DEATH: 680 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: 561.6 GRAMS
DATE AND TIME OF NECROPSY: 02/28/00 15:08 PROSECTOR: DENNIS HOFFMAN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 76; 80 X 80MM; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; MISSING; TEETH; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 82; 20 X 20MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 95; 20 X 20MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); VENTRAL-THORACIC-LEFT; WEEK 95; 10 X 10MM; VERIFIED AT NECROPSY: NOT OBSERVED
>MASS(ES); INGUINAL REGION-RIGHT; WEEK 96; 25 X 25MM; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

LIVER (LI) :
-MOTTLED; ALL LOBES, DIFFUSE: RED AND TAN

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MODERATE
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MODERATE
-HYPERPLASIA, BILE DUCT,-MINIMAL
-FIBROSIS, PERIBILIARY,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-MINERALIZATION, PELVIC,-MODERATE
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE
PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-MODERATE
ADRENAL, CORTEX (AC) :
-HYPERTROPHY, CORTICAL CELL,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92985 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/28/00 STUDY DAY OF DEATH: 680 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: 561.6 GRAMS
DATE AND TIME OF NECROPSY: 02/28/00 15:08 PROSECTOR: DENNIS HOFFMAN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC / HEMORRHAGIC,-MODERATE -HYPERPLASIA, CORTICAL,-MINIMAL -PIGMENT,-MINIMAL MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,-MODERATE MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-MODERATE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL
	PITUITARY (PI) : -MASS(ES); 8 X 7 X 5 MM, SOFT, RED, AND TAN	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 27 X 18 X 15 MM, FIRM, LOBULATED, RED, AND TAN; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED -MASS #2; LEFT INGUINAL REGION, CAUDAL TO MASS NUMBER ONE: SINGLE MASS, 37 X 25 X 20 MM, RED, TAN, BROWN, AND SOFT; ON SECTION SOME AREAS CONTAIN A TAN AND DRY SEMISOLID MATERIAL; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -M-CARCINOMA,- 2 NEOPLASMS PRESENT -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT -HYPERPLASIA, GLANDULAR,-MODERATE >NOTE:>MASS #'S 1 AND 5 ARE FIBROADENOMAS. MASS #'S 3 AND 4 ARE CARCINOMAS MASS #2: SEE CLITORAL GLAND FOR DIAGNOSIS

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92985 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/28/00 STUDY DAY OF DEATH: 680 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: 561.6 GRAMS
DATE AND TIME OF NECROPSY: 02/28/00 15:08 PROSECTOR: DENNIS HOFFMAN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS #3; RIGHT INGUINAL REGION: SINGLE MASS, 22 X 14 X 11 MM, FIRM, RED, TAN, AND LOBULATED; SAME ON CUT SURFACE, COLLECTED; REGIONAL LN INGUINAL (NOT IDENTIFIED) -MASS #4; RIGHT INGUINAL, CAUDAL TO MASS NUMBER THREE: SINGLE MASS, 45 X 30 X 20 MM, FIRM, LOBULATED, RED, DARK RED, AND TAN; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED -MASS #5; RIGHT AXILLARY REGION: SINGLE MASS, 75 X 75 X 55 MM, FIRM, LOBULATED, RED, DARK RED, TAN, AND VASCULAR; SAME ON CUT SURFACE; COLLECTED; OVERLYING SKIN HAS A 30 MM IN DIAMETER DRY, BROWN CRUSTED AREA; COLLECTED INTACT WITH MASS; REGIONAL LN (AXILLARY) NORMAL (CAP 23)	
	UTERUS (UT) : -CYST(S); BILATERAL, WITHIN WALLS: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 3 MM IN DIAMETER	UTERUS (UT) : -DILATATION,-SLIGHT
		CERVIX (CV) : -HYPERPLASIA, MUCINOUS,-MODERATE
	VAGINA (VA) : -SEMIFLUID MATERIAL; WITHIN LUMEN: CLEAR MUCOID MATERIAL	VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT -HYPERPLASIA, MUCINOUS,-SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92985 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/28/00 STUDY DAY OF DEATH: 680 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: 561.6 GRAMS
DATE AND TIME OF NECROPSY: 02/28/00 15:08 PROSECTOR: DENNIS HOFFMAN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE CLITORAL GLAND (CL) : -ECTASIA, DUCTAL,-PRESENT -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE -HYPERKERATOSIS,-SEVERE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; RIGHT UPPER INCISOR -TEETH MISSING/BROKEN/WORN; LEFT UPPER INCISOR: MISSING	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92985 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/28/00 STUDY DAY OF DEATH: 680 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: 561.6 GRAMS
DATE AND TIME OF NECROPSY: 02/28/00 15:08 PROSECTOR: DENNIS HOFFMAN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92986 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 453.0 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 7:25 PROSECTOR: DAVID SCHUETTE RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); INGUINAL REGION-LEFT; WEEK 85; 70 X 60MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL -HYPERPLASIA, TRANSITIONAL CELL,-MINIMAL PANCREAS (PA) : -ATROPHY, ACINAR,-MINIMAL -HYPERTROPHY / BASOPHILIA, ACINAR CELL,-MINIMAL LUNG (LU) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 8 X 8 X 5 MM, DARK RED, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92986 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 453.0 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 7:25 PROSECTOR: DAVID SCHUETTE RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 100 X 65 X 30 MM (104.7 GRAMS), RED, TAN, LOBULATED, AND VASCULAR; CUT SURFACE EXUDES A TAN CREAMY SEMIFLUID MATERIAL; COLLECTED INTACT; REGIONAL LN (INGUINAL) NORMAL (CAP 22) -THICKENED; ALL REGIONS DIFFUSE: TAN; COLLECTED ON ROUTINE SECTION -MASS #2; RIGHT INGUINAL REGION: SINGLE MASS, 23 X 15 X 6 MM, TAN, AND FIRM, SAME ON CUT SURFACE; SOME SECTIONS EXUDE A TAN CASEOUS SEMIFLUID (CAP 23); REGIONAL LN (INGUINAL) NORMAL (CAP 22)	MAMMARY, FEMALE (MF) : >NOTE:>SMALL ADENOMA NOTED ON REGULAR MAMMARY GLAND SECTION MASSES 1 AND 2 WERE FIBROADENOMAS
	UTERUS (UT) : -MASS(ES); LEFT HORN, WITHIN LUMEN: SINGLE MASS, 35 X 10 X 10 MM, RED, TAN, AND SOFT; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (LUMBAR) NORMAL (CAP 25)	UTERUS (UT) : -B-POLYP, ENDOMETRIAL, STROMAL,- NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
		LN, INGUINAL (IN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT
		LN, LUMBAR/ILIAC (LM) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92986 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 453.0 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 7:25 PROSECTOR: DAVID SCHUETTE RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92987 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 273.3 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 10:46 PROSECTOR: STEVE VAN ADESTINE RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0307	.0112 %	.0134	WEIGHT TAKEN
RT ADRENAL (AD1)	.0327	.0120 %	.0143	WEIGHT TAKEN
BRAIN (BR)	2.2943	.8395 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.1962	.4377 %	.5214	WEIGHT TAKEN
RT KIDNEY (KD1)	1.1435	.4184 %	.4984	WEIGHT TAKEN
LIVER (LI)	8.9944	3.2910 %	3.9203	WEIGHT TAKEN
LUNG (LU)	1.4595	.5340 %	.6361	WEIGHT TAKEN
LF OVARY (OV0)	.0578	.0211 %	.0252	WEIGHT TAKEN
RT OVARY (OV1)	.0622	.0228 %	.0271	WEIGHT TAKEN
SPLEEN (SP)	.6245	.2285 %	.2722	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0100	.0037 %	.0044	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0135	.0049 %	.0059	WEIGHT TAKEN
UTERUS (UT)	.5091	.1863 %	.2219	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MINIMAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92987 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 273.3 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 10:46 PROSECTOR: STEVE VAN ADESTINE RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92988 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 585.1 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 11:42 PROSECTOR: GREGORY CODDINGTON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); RIGHT MEDIAN LOBE: MULTIPLE DARK RED AREAS, UP TO 3 X 2 MM; COLLECTED ON ROUTINE SECTION	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-SLIGHT -HYPERPLASIA, BILE DUCT,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, TUBULAR,-MINIMAL PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); LEFT ANTERIOR ASPECT: SINGLE DARK RED FOCUS, 1 MM IN DIAMETER	PITUITARY (PI) : -HYPERPLASIA,-SLIGHT
		MAMMARY, FEMALE (MF) : -HYPERPLASIA, GLANDULAR,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92988 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 585.1 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 11:42 PROSECTOR: GREGORY CODDINGTON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		URINARY BLADDER (UB) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PARATHYROID (PT)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92989 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/22/99 STUDY DAY OF DEATH: 582 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 408.6 GRAMS
DATE AND TIME OF NECROPSY: 11/22/99 8:37 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED >EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE >SKIN & PELAGE; BROWN HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED	KIDNEY (KD) : -LARGE PELVIS(ES); BILATERAL	EYE (EY) : -INFLAMMATION, ACUTE,-MINIMAL BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -DILATATION, PELVIC,-MODERATE -MINERALIZATION, TUBULAR,-MINIMAL SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MINIMAL -HYPERTROPHY, CORTICAL CELL,-SLIGHT -PIGMENT,-MINIMAL MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,-SEVERE MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92989 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/22/99 STUDY DAY OF DEATH: 582 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 408.6 GRAMS
DATE AND TIME OF NECROPSY: 11/22/99 8:37 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE HEART (HT) : -CARDIOMYOPATHY,-MODERATE THYROID (TY) : -HYPERPLASIA, C-CELL,-SLIGHT
	PITUITARY (PI) : -LARGE; 7 X 5 X 5 MM, APPEARS SWOLLEN	PITUITARY (PI) : -HYPERPLASIA,-SLIGHT -CYST,-PRESENT
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE BLACK AREAS, UP TO 3 X 2 MM	STOMACH, GL (ST) : -EDEMA,-SLIGHT -INFLAMMATION, ACUTE,-SLIGHT
	MAMMARY, FEMALE (MF) : -MASS(ES); MID VENTRAL THORACIC REGION: SINGLE MASS, 10 X 8 X 6 MM, TAN AND SOFT; SAME ON CUT SURFACE (CAP 21); REGIONAL LN (AXILLARY) NORMAL (CAP 22)	MAMMARY, FEMALE (MF) : -M-CARCINOMA,-NEOPLASM PRESENT -CYST / GALACTOCELE,-PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT
		URINARY BLADDER (UB) : -HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT
	UTERUS (UT) : -LUMEN FILLED WITH FLUID; RIGHT HORN: FILLED WITH A BROWN FLUID	UTERUS (UT) : -DILATATION,-MODERATE -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
		CERVIX (CV) : -M-SARCOMA, STROMAL,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92989 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/22/99 STUDY DAY OF DEATH: 582 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 408.6 GRAMS
DATE AND TIME OF NECROPSY: 11/22/99 8:37 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	CERVIX (CV) : -MASS(ES); WITHIN LUMEN, EXTENDING INTO PROXIMAL UTERUS AND VAGINA: SINGLE MASS, 70 X 50 X 35 MM, DARK BROWN, RED, DARK RED, TAN, AND SOFT; SOME AREAS EXUDE A BROWN FLUID; COLLECTED INTACT; REGIONAL LN (LEFT LUMBAR) NORMAL, RIGHT NOT IDENTIFIED (CAP 23)	
		CAUSE OF DEATH (CD) : -NEOPLASM, UT/CV/VA/OV,-PRESENT LN, AXILLARY (AX) : -HYPERPLASIA, RETICULOENDOTHELIAL,-SLIGHT LN, LUMBAR/ILIAC (LM) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL: UPPER INCISORS -DISCHARGE-OCULAR; RIGHT: DARK RED AND DRY -URINARY BLADDER-LARGE LUMEN; 30 X 15 X 15 MM -STAINS - SKIN/HAIRCOAT; VENTRAL ABDOMINAL REGION, EXTENDING TO PERIANAL REGION: BROWN AND MOIST	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92989 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/22/99 STUDY DAY OF DEATH: 582 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 408.6 GRAMS
DATE AND TIME OF NECROPSY: 11/22/99 8:37 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92990 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/01/00 STUDY DAY OF DEATH: 653 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 547.2 GRAMS
DATE AND TIME OF NECROPSY: 02/01/00 14:05 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>MASS(ES); AXILLARY REGION-LEFT; WEEK 73; 65 X 55MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); VENTRAL-CERVICAL-RIGHT; WEEK 89; 50 X 90MM; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
>UNREMARKABLE
LIVER (LI) :
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL
-HYPERPLASIA, BILE DUCT,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-MINERALIZATION, PELVIC,-MODERATE
-HYPERPLASIA, TRANSITIONAL CELL,-MODERATE
SPLEEN (SP) :
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATELY SEVERE
PANCREAS (PA) :
-B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT
ADRENAL, CORTEX (AC) :
-ANGIECTASIS,-SLIGHT
-HYPERTROPHY, CORTICAL CELL,-MINIMAL
-HYPERPLASIA, CORTICAL,-MINIMAL
-PIGMENT,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92990 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/01/00 STUDY DAY OF DEATH: 653 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 547.2 GRAMS
DATE AND TIME OF NECROPSY: 02/01/00 14:05 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT
	OVARY (OV) : -CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 3 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT
		MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,-MODERATELY SEVERE
		MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-MODERATELY SEVERE
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL
		HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 10 X 6 X 5 MM, RED, TAN AND FIRM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	SALIV GL, MANDIB (SG) : -MISSING/NOT IDENTIFIED; NOT IDENTIFIED: NOT POSITIVELY IDENTIFIED; POSSIBLY COLLECTED WITH CERVICAL MASS NOTED	SALIV GL, MANDIB (SG) : -M-SCHWANNOMA,-NEOPLASM PRESENT -UNILATERALLY EXAMINED,-PRESENT
		MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92990 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/01/00 STUDY DAY OF DEATH: 653 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 547.2 GRAMS
DATE AND TIME OF NECROPSY: 02/01/00 14:05 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 65 X 55 X 35 MM, TAN, LOBULATED AND SOFT; ON SECTION, EXUDES A TAN CREAMY SEMIFLUID; COLLECTED INTACT; REGIONAL LN (SEE AXILLARY) -MASS #2; EXTENDS LATERALLY ACROSS ENTIRE VENTRAL CERVICAL REGION: SINGLE MASS, 70 X 45 X 36 MM, TAN, RED, LOBULATED, VASCULAR AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (MANDIBULAR) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : >NOTE:>MASS #1 IS A FIBROADENOMA SEE SALIVARY GLAND FOR DIAGNOSIS OF MASS #2
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	LN, AXILLARY (AX) : -MOTTLED; BILATERAL: RED AND TAN (CAP 21)	LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92990 SEX: FEMALE DOSE GROUP: 2 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/01/00 STUDY DAY OF DEATH: 653 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 547.2 GRAMS
DATE AND TIME OF NECROPSY: 02/01/00 14:05 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LN, MESENTERIC (MS), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92991 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/07/00 STUDY DAY OF DEATH: 719 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 568.0 GRAMS
DATE AND TIME OF NECROPSY: 04/07/00 7:23 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: NOT OBSERVED >SKIN & PELAGE; SORE/SCAB; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	BRAIN (BR) : >UNREMARKABLE LIVER (LI) : -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MINIMAL -NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -DEGENERATION, CYSTIC,-MINIMAL -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-SLIGHT PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-MODERATE -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92991 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/07/00 STUDY DAY OF DEATH: 719 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 568.0 GRAMS
DATE AND TIME OF NECROPSY: 04/07/00 7:23 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 7 X 6 X 5 MM, RED, TAN, AND SOFT MAMMARY, FEMALE (MF) : -THICKENED; ALL REGIONS DIFFUSE: COLLECTED ON ROUTINE SECTION -CYST(S); RIGHT INGUINAL REGION: SINGLE DARK BROWN FLUID FILLED CYST, 40 X 25 X 10 MM (CAP 23)	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -HYPERPLASIA, GLANDULAR,-MODERATE -B-ADENOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	FOOT/FOOTPAD (FP) : -CRUSTED AREA(S); RIGHT HIND FOOT: SINGLE DRY, RED, AND TAN CRUSTED AREA, 4 X 3 MM; COLLECTED LN, ANT MES/PANC (AP) : -LARGE; UP TO 8 MM IN DIAMETER (CAP 24)	FOOT/FOOTPAD (FP) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE -ULCERATION,-MINIMAL -ACANTHOSIS / HYPERKERATOSIS,-SLIGHT LN, ANT MES/PANC (AP) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL >NOTE:>SEE PANCREAS FOR DIAGNOSIS OF MASS
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

PAGE: 1510

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92991 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/07/00 STUDY DAY OF DEATH: 719 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 568.0 GRAMS
DATE AND TIME OF NECROPSY: 04/07/00 7:23 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -DISCHARGE-OCULAR; LEFT: DARK RED DRY MATERIAL	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), AORTA (AO), CALVARIUM/SKULL (CA), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92992 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/23/99 STUDY DAY OF DEATH: 583 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 372.2 GRAMS
DATE AND TIME OF NECROPSY: 11/23/99 15:21 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>MASS(ES); DORSAL; WEEK 76; 20 X 20MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); INGUINAL REGION-RIGHT; WEEK 76; 40 X 40MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); AXILLARY REGION-LEFT; WEEK 78; 40 X 40MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); VENTRAL-CERVICAL; WEEK 79; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); VENTRAL-THORACIC; WEEK 62; 30 X 30MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); INGUINAL REGION-LEFT; WEEK 81; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED
>EYES; SQUINTED; PERI-ORBITAL-RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
KIDNEY (KD) :
-MINERALIZATION, PELVIC,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-MODERATE
-ATROPHY, ACINAR,-MINIMAL
ADRENAL, CORTEX (AC) :
-VACUOLATION, FOCAL,-SLIGHT
-ANGIECTASIS,-MODERATE
-HYPERTROPHY, CORTICAL CELL,-MINIMAL
-PIGMENT,-SLIGHT
THYMUS (TH) :
>SECTION EXAMINED; TISSUE NOT PRESENT
LUNG (LU) :
-X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92992 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/23/99 STUDY DAY OF DEATH: 583 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 372.2 GRAMS
DATE AND TIME OF NECROPSY: 11/23/99 15:21 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MUSCLE, SKELETAL (SM) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 10 X 7 X 5 MM, DARK RED, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		STOMACH, GL (ST) : -HYPERPLASIA, EPITHELIAL, GLANDULAR,-MODERATE
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: MULTIPLE TAN ERODED AREAS, UP TO 3 X 2 MM	STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-SLIGHT
	SKIN (SK) : -MASS(ES); LEFT DORSAL LUMBAR REGION: SINGLE MASS, 25 X 20 X 10 MM, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (SEE INGUINAL); POSSIBLY CONSISTENT WITH MASS (DORSAL) AS NOTED IN CLINICAL OBSERVATIONS	SKIN (SK) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT LATERAL CERVICAL REGION: SINGLE MASS, 20 X 12 X 12 MM, DARK RED, RED, TAN, BROWN AND SOFT; CUT SURFACE EXUDES A DARK RED SEMIFLUID; COLLECTED; REGIONAL LN (SEE MANDIBULAR)	MAMMARY, FEMALE (MF) : -M-CARCINOMA,- 3 NEOPLASMS PRESENT -CYST / GALACTOCELE,-PRESENT -HYPERPLASIA, GLANDULAR,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92992 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/23/99 STUDY DAY OF DEATH: 583 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 372.2 GRAMS
DATE AND TIME OF NECROPSY: 11/23/99 15:21 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION -MASS #2; ALL REGIONS, DIFFUSE: MULTIPLE MASSES, UP TO 45 X 45 X 30 MM, ALL ARE TAN, RED AND SOFT; ALL EXUDE A TAN CREAMY SEMIFLUID; PORTIONS COLLECTED; REGIONAL LN (SEE INGUINAL) (AXILLARY) NORMAL (CAP 23)	MAMMARY, FEMALE (MF) : >NOTE:>CARCINOMA FOUND IN MASS #1, PART OF MASS #2, AND ON THE SLIDE THAT GROSSLY WAS THOUGHT TO CONTAIN LYMPH NODE. MAJORITY OF MASS #2 IS FIBROADENOMA. THE CARCINOMA ON SLIDE #22 HAS CONSIDERABLE SQUAMOUS METAPLASIA. HEMATO NEOPLASIA (HN) : -M-SARCOMA, HISTIOCYTIC,-NEOPLASM PRESENT CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT LN, AXILLARY (AX) : -HEMORRHAGE,-PRESENT -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
	LN, INGUINAL (IN) : -LARGE; LEFT: UP TO 7 X 5 X 5 MM; APPEARS CYSTIC (CAP 22); RIGHT NOT IDENTIFIED LN, MANDIBULAR (MN) : -MOTTLED; BILATERAL: RED AND TAN (CAP 21)	LN, INGUINAL (IN) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL >NOTE:>SEE MAMMARY, FEMALE FOR DIAGNOSIS LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92992 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/23/99 STUDY DAY OF DEATH: 583 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 372.2 GRAMS
DATE AND TIME OF NECROPSY: 11/23/99 15:21 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS | NECROPSY | HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, OTHER (LN), LN, RENAL (RL), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92993 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 271.2 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 13:54 PROSECTOR: STEVE VAN ADESTINE RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0384	.0142 %	.0195	WEIGHT TAKEN
RT ADRENAL (AD1)	.0376	.0139 %	.0191	WEIGHT TAKEN
BRAIN (BR)	1.9653	.7247 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.1048	.4074 %	.5622	WEIGHT TAKEN
RT KIDNEY (KD1)	1.1773	.4341 %	.5990	WEIGHT TAKEN
LIVER (LI)	7.6933	2.8368 %	3.9146	WEIGHT TAKEN
LUNG (LU)	1.1907	.4390 %	.6059	WEIGHT TAKEN
LF OVARY (OV0)	.0548	.0202 %	.0279	WEIGHT TAKEN
RT OVARY (OV1)	.0542	.0200 %	.0276	WEIGHT TAKEN
SPLEEN (SP)	.5039	.1858 %	.2564	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0103	.0038 %	.0052	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0083	.0031 %	.0042	WEIGHT TAKEN
UTERUS (UT)	1.0577	.3900 %	.5382	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
-NECROSIS, COAGULATIVE,-SLIGHT
SPLEEN (SP) :
-PIGMENT, INCREASED,-MINIMAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92993 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 271.2 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 13:54 PROSECTOR: STEVE VAN ADESTINE RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS -BONE MARROW SMEAR TAKEN	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92994 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/12/99 STUDY DAY OF DEATH: 572 STUDY WEEK OF DEATH: 82 TERMINAL BODY WEIGHT: 239.6 GRAMS
DATE AND TIME OF NECROPSY: 11/21/99 7:03 PROSECTOR: CHANESTA ACKER RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>EYES; RED DISCHARGE; EYE-LEFT;
VERIFIED AT NECROPSY: OBSERVED
>EYES; DISCOLORED/LIGHT RED; EYE-LEFT;
VERIFIED AT NECROPSY: NOT OBSERVED
>APPEARANCE; THIN; VERIFIED AT
NECROPSY: OBSERVED
>SKIN & PELAGE; YELLOW HAIR COAT;
VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; NO FECES; VERIFIED AT
NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

EYE (EY) :
-DYSTROPHY, CORNEAL IN EARLY STAGES,
CONSISTS PRIMARILY OF FOCAL
MINERALIZATION,-MINIMAL
-INFLAMMATION, ACUTE,-SLIGHT
BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-VACUOLATION, HEPATOCELLULAR,
PERIPORTAL,-SLIGHT
-FOCUS, ALTERED HEPATOCELLULAR,
BASOPHILIC,-MINIMAL
-HYPERPLASIA, BILE DUCT,-SLIGHT
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-
MINIMAL
-DILATATION, PELVIC,-MINIMAL
-MINERALIZATION, TUBULAR,-MINIMAL
SPLEEN (SP) :
-DEPLETION, LYMPHOCYTIC,-SLIGHT
PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-SLIGHT
-X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO
NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92994 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/12/99 STUDY DAY OF DEATH: 572 STUDY WEEK OF DEATH: 82 TERMINAL BODY WEIGHT: 239.6 GRAMS
DATE AND TIME OF NECROPSY: 11/21/99 7:03 PROSECTOR: CHANESTA ACKER RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PANCREAS (PA) : -MASS(ES); ATTACHED TO MID PORTION OF DUODENUM: SINGLE MASS, 33 X 17 X 12 MM, DARK RED, TAN, LOBULATED AND FIRM; SAME ON CUT SURFACE (CAP 22); REGIONAL LN (PANCREATIC) NOT IDENTIFIED	
		ADRENAL, CORTEX (AC) : -VACUOLATION, FOCAL,-SLIGHT -ANGIECTASIS,-MINIMAL -HYPERTROPHY, CORTICAL CELL,-SLIGHT
	THYMUS (TH) : -MISSING/NOT IDENTIFIED; NOT POSITIVELY IDENTIFIED; POSSIBLE REMNANTS COLLECTED	THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE HEART (HT) : -CARDIOMYOPATHY,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-SLIGHT
	PITUITARY (PI) : -MASS(ES); 8 X 6 X 4 MM, DARK RED, TAN, GREY AND FIRM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT STOMACH, GL (ST) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT RECTUM (RE) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92994 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/12/99 STUDY DAY OF DEATH: 572 STUDY WEEK OF DEATH: 82 TERMINAL BODY WEIGHT: 239.6 GRAMS
DATE AND TIME OF NECROPSY: 11/21/99 7:03 PROSECTOR: CHANESTA ACKER RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	RECTUM (RE) : -MASS(ES); ATTACHED TO SEROSAL SURFACE: SINGLE MASS, 11 X 11 X 9 MM, RED, DARK RED, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (SEE ILIAC)	
		MAMMARY, FEMALE (MF) : -HYPERPLASIA, GLANDULAR,-MINIMAL
	VAGINA (VA) : -SEMIFLUID MATERIAL; WITHIN LUMEN: LIGHT GREEN, CREAMY SEMIFLUID MATERIAL	VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT
		HEMATO NEOPLASIA (HN) : -M-LYMPHOMA,-NEOPLASM PRESENT CAUSE OF DEATH (CD) : -NEOPLASM, HEMATOPOIETIC,-PRESENT
	LN, MEDIASTINAL (ML) : -LARGE; UP TO 13 X 9 X 6 MM (CAP 21) -DIFFUSELY RED; DARK RED	LN, MEDIASTINAL (ML) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
	LN, LUMBAR/ILIAC (LM) : -LARGE; LEFT ILIAC: UP TO 7 X 5 X 2 MM (RIGHT ILIAC NOT IDENTIFIED) (CAP 23) -DIFFUSELY RED; LEFT: DARK RED -MASS(ES); BILATERAL, LUMBAR INVOLVING ENTIRE ORGAN: SINGLE MASS, 40 X 25 X 20 MM, RED, DARK RED, TAN, LOBULATED AND FIRM; SAME ON CUT SURFACE (CAP 25)	LN, LUMBAR/ILIAC (LM) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
	LN, POPLITEAL (PP) : -LARGE; LEFT: 7 X 5 X 3 MM (RIGHT NOT IDENTIFIED) (CAP 24)	LN, POPLITEAL (PP) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92994 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/12/99 STUDY DAY OF DEATH: 572 STUDY WEEK OF DEATH: 82 TERMINAL BODY WEIGHT: 239.6 GRAMS
DATE AND TIME OF NECROPSY: 11/21/99 7:03 PROSECTOR: CHANESTA ACKER RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, POPLITEAL (PP) : -DIFFUSELY RED; LEFT: DARK RED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY, RED MATERIAL -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92994 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/12/99 STUDY DAY OF DEATH: 572 STUDY WEEK OF DEATH: 82 TERMINAL BODY WEIGHT: 239.6 GRAMS
DATE AND TIME OF NECROPSY: 11/21/99 7:03 PROSECTOR: CHANESTA ACKER RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92995 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/17/98 STUDY DAY OF DEATH: 59 STUDY WEEK OF DEATH: 9 TERMINAL BODY WEIGHT: 264.0 GRAMS
DATE AND TIME OF NECROPSY: 06/17/98 10:39 PROSECTOR: TROY ELLENBECKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; TAIL; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; SWOLLEN; TAIL-DISTAL; VERIFIED AT NECROPSY: NOT OBSERVED >APPEARANCE; MISSING; TAIL-DISTAL; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) : -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL KIDNEY (KD) : -ATROPHY, TUBULAR,-MINIMAL SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATELY SEVERE UTERUS (UT) : -DILATATION,-SLIGHT CAUSE OF DEATH (CD) : -INFLAMMATION / INFECTION,-PRESENT
	TAIL (TI) : -ABRASION(S)/ULCERATION(S); 120 MM FROM BASE: MULTIPLE RED, TAN AND MOIST ABRADED AREAS, UP TO 7 X 6 MM; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -TAIL - BENT/MISSING; 120 MM FROM BASE: TIP MISSING; REMAINING PORTION COLLECTED	TAIL (TI) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE -ULCERATION,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92995 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/17/98 STUDY DAY OF DEATH: 59 STUDY WEEK OF DEATH: 9 TERMINAL BODY WEIGHT: 264.0 GRAMS
DATE AND TIME OF NECROPSY: 06/17/98 10:39 PROSECTOR: TROY ELLENBECKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92996 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 200.3 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 11:01 PROSECTOR: JODI THIEREN RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LF KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	7.1652	3.5765 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LF OVARY (OV0)	--------	--------	--------	NOT TAKEN
RT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92996 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 200.3 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 11:01 PROSECTOR: JODI THIEREN RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92997 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/15/99 STUDY DAY OF DEATH: 575 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: 307.6 GRAMS
DATE AND TIME OF NECROPSY: 11/15/99 13:23 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 74; 30 X 30MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
>BEHAVIOR; RECUMBENT; LATERAL; VERIFIED AT NECROPSY: NOT APPLICABLE		-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL
		-MINERALIZATION, TUBULAR,-MINIMAL
		-INFLAMMATION, SUPPURATIVE, PELVIC,-MODERATE
		SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE
		PANCREAS (PA) : -ATROPHY, ACINAR,-MINIMAL
	ADRENAL, CORTEX (AC) : -MOTTLED; BILATERAL: RED AND BROWN	ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC / HEMORRHAGIC,-MODERATELY SEVERE
		MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-SLIGHT
	THYMUS (TH) : -RED FOCUS(I)/AREA(S); DIFFUSE: MULTIPLE DARK RED AREAS, PINPOINT AND UP TO 1 MM IN DIAMETER	THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92997 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/15/99 STUDY DAY OF DEATH: 575 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: 307.6 GRAMS
DATE AND TIME OF NECROPSY: 11/15/99 13:23 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 11 X 5 X 5 MM, RED, DARK RED, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT INGUINAL REGION: SINGLE MASS, 40 X 20 X 20 MM, RED, TAN, FIRM AND LOBULATED; ON SECTION, EXUDES A TAN CREAMY SEMIFLUID; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,-NEOPLASM PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: RED, DRY MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92997 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/15/99 STUDY DAY OF DEATH: 575 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: 307.6 GRAMS
DATE AND TIME OF NECROPSY: 11/15/99 13:23 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92998 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/01/99 STUDY DAY OF DEATH: 316 STUDY WEEK OF DEATH: 46 TERMINAL BODY WEIGHT: 205.8 GRAMS
DATE AND TIME OF NECROPSY: 03/01/99 15:00 PROSECTOR: TERRI L. WILLIAMS RECORDER: KEVIN BILLINGS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>EYES; SQUINTED; PERI-ORBITAL; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: NOT OBSERVED
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)
LIVER (LI) :
-DIFFUSELY DARK; DIAPHRAGMATIC SURFACE OF LEFT LATERAL LOBE: SINGLE BROWN FOCI 2 MM IN DIAMETER

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-HYPERPLASIA, BILE DUCT,-MINIMAL
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
KIDNEY (KD) :
-MINERALIZATION, PELVIC,-MINIMAL
-PIGMENT, TUBULAR,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
MARROW, FEMUR (FM) :
-CONGESTION,-PRESENT
MARROW, STERNUM (SE) :
-CONGESTION,-PRESENT
SPINAL CORD (SC) :
-AXONAL SWELLING,-MODERATE
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE
LUNG (LU) :
-INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92998 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/01/99 STUDY DAY OF DEATH: 316 STUDY WEEK OF DEATH: 46 TERMINAL BODY WEIGHT: 205.8 GRAMS
DATE AND TIME OF NECROPSY: 03/01/99 15:00 PROSECTOR: TERRI L. WILLIAMS RECORDER: KEVIN BILLINGS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 8 MM IN DIAMETER, DARK RED, GREY AND SOFT MAMMARY, FEMALE (MF) : -THICKENED; ALL REGIONS DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN -STAINS-PERINEUM/PERIANAL; MOIST YELLOW MATERIAL	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT -ANGIECTASIS,-PRESENT MAMMARY, FEMALE (MF) : -HYPERPLASIA, GLANDULAR,-MODERATE VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92998 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/01/99 STUDY DAY OF DEATH: 316 STUDY WEEK OF DEATH: 46 TERMINAL BODY WEIGHT: 205.8 GRAMS
DATE AND TIME OF NECROPSY: 03/01/99 15:00 PROSECTOR: TERRI L. WILLIAMS RECORDER: KEVIN BILLINGS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), BONE, STERNUM (SB), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92999 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/22/00 STUDY DAY OF DEATH: 643 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/22/00 15:02 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL; WEEK 59; 40 X 40MM; VERIFIED AT NECROPSY: OBSERVED		EYE (EY) : -DYSTROPHY, CORNEAL IN EARLY STAGES, CONSISTS PRIMARILY OF FOCAL MINERALIZATION,-MINIMAL
>APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) :	BRAIN (BR) :
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
	KIDNEY (KD) :	KIDNEY (KD) :
	-LARGE PELVIS(ES); BILATERAL	-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -DILATATION, PELVIC,-MODERATELY SEVERE -MINERALIZATION, TUBULAR,-MINIMAL
		SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE
		ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MINIMAL -HYPERTROPHY, CORTICAL CELL,-MODERATE -PIGMENT,-SLIGHT
		OVARY (OV) : -CYST,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92999 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/22/00 STUDY DAY OF DEATH: 643 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/22/00 15:02 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,-MODERATELY SEVERE MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-MODERATELY SEVERE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-SLIGHT
	PITUITARY (PI) : -MASS(ES); 10 X 7 X 4 MM, DARK RED AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		JEJUNUM (JE) : >AUTOLYTIC
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 45 X 35 X 16 MM, TAN, GREEN, VASCULAR AND SOFT; ON SECTION EXUDES A GREEN CREAMY SEMIFLUID; COLLECTED INTACT; REGIONAL LN (INGUINAL) NOT IDENTIFIED; POSSIBLY CONSISTENT WITH MASS (VENTRAL ABDOMINAL) NOTED IN CLINICAL OBSERVATION	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE -B-ADENOMA,-NEOPLASM PRESENT
		UTERUS (UT) : -DILATATION,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92999 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/22/00 STUDY DAY OF DEATH: 643 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/22/00 15:02 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: DARK RED -LARGE; BILATERAL: EACH IS 10 X 7 X 2 MM; COLLECTED GENERAL COMMENT (GC) : -ANIMAL THIN	LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C92999 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/22/00 STUDY DAY OF DEATH: 643 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/22/00 15:02 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93000 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 267.6 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 13:56 PROSECTOR: MICHELE MARGGI RECORDER: MATTHEW AXTMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: MATTHEW AXTMAN

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0366	.0137 %	.0176	WEIGHT TAKEN
RT ADRENAL (AD1)	.0430	.0161 %	.0207	WEIGHT TAKEN
BRAIN (BR)	2.0797	.7772 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.1525	.4307 %	.5542	WEIGHT TAKEN
RT KIDNEY (KD1)	1.1261	.4208 %	.5415	WEIGHT TAKEN
LIVER (LI)	9.1952	3.4362 %	4.4214	WEIGHT TAKEN
LUNG (LU)	1.4706	.5496 %	.7071	WEIGHT TAKEN
LF OVARY (OV0)	.0643	.0240 %	.0309	WEIGHT TAKEN
RT OVARY (OV1)	.0895	.0334 %	.0430	WEIGHT TAKEN
SPLEEN (SP)	.4800	.1794 %	.2308	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0115	.0043 %	.0055	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0225	.0084 %	.0108	WEIGHT TAKEN
UTERUS (UT)	.6052	.2262 %	.2910	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93000 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 267.6 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 13:56 PROSECTOR: MICHELE MARGGI RECORDER: MATTHEW AXTMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: MATTHEW AXTMAN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93001 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/24/99 STUDY DAY OF DEATH: 584 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 321.6 GRAMS
DATE AND TIME OF NECROPSY: 11/24/99 7:18 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 76; 30 X 30MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); INGUINAL REGION-LEFT; WEEK 82; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-SLIGHT
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-MINERALIZATION, PELVIC,-SLIGHT
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE
ADRENAL, CORTEX (AC) :
-VACUOLATION, FOCAL,-MODERATE
-DEGENERATION, CYSTIC / HEMORRHAGIC,-SLIGHT
-HYPERPLASIA, CORTICAL,-SLIGHT
-PIGMENT,-SLIGHT
ADRENAL, MEDULLA (MA) :
-B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT
MARROW, FEMUR (FM) :
-HYPERPLASIA, MYELOID, MARROW,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93001 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/24/99 STUDY DAY OF DEATH: 584 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 321.6 GRAMS
DATE AND TIME OF NECROPSY: 11/24/99 7:18 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-SLIGHT THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT PARATHYROID (PT) : >SECTION EXAMINED; TISSUE NOT PRESENT
	PITUITARY (PI) : -MASS(ES); 12 X 10 X 6 MM, DARK RED, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 17 X 15 X 8 MM, TAN, RED AND SOFT; CUT SURFACE EXUDES A TAN, CREAMY SEMIFLUID (CAP 21); REGIONAL LN (INGUINAL) NOT IDENTIFIED -MASS #2; LEFT PERIANAL REGION: SINGLE MASS, 35 X 32 X 20 MM, DARK RED, TAN, YELLOW AND SOFT; CUT SURFACE EXUDES A DARK RED SEMIFLUID; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -M-CARCINOMA,-NEOPLASM PRESENT -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT >NOTE:>MASS #1 IS THE FIBROADENOMA
		UTERUS (UT) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93001 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/24/99 STUDY DAY OF DEATH: 584 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 321.6 GRAMS
DATE AND TIME OF NECROPSY: 11/24/99 7:18 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-NEOPLASM, PITUITARY,-PRESENT

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY

- - - -

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93002 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/01/99 STUDY DAY OF DEATH: 561 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 381.4 GRAMS
DATE AND TIME OF NECROPSY: 11/01/99 14:15 PROSECTOR: JOHN S. HALFORD RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); INGUINAL REGION-RIGHT; WEEK 56; 70 X 55MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>MASS(ES); AXILLARY REGION-LEFT; WEEK 70; 20 X 20MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) :
		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MINIMAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL
>RESPIRATION; IRREGULAR; VERIFIED AT NECROPSY: NOT APPLICABLE		-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) :
		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		-MINERALIZATION, PELVIC,-MINIMAL
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: OBSERVED		SPLEEN (SP) :
		-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE		PANCREAS (PA) :
		-ATROPHY, ACINAR,-MINIMAL
		ADRENAL, CORTEX (AC) :
		-ANGIECTASIS,-SLIGHT
		-HYPERTROPHY, CORTICAL CELL,-MINIMAL
		-PIGMENT,-SLIGHT
	OVARY (OV) :	OVARY (OV) :
	-CYST(S); LEFT: SINGLE CLEAR FLUID FILLED CYST, 3 MM IN DIAMETER	-CYST,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93002 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/01/99 STUDY DAY OF DEATH: 561 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 381.4 GRAMS
DATE AND TIME OF NECROPSY: 11/01/99 14:15 PROSECTOR: JOHN S. HALFORD RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,- MODERATELY SEVERE MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,- MODERATELY SEVERE
	THYMUS (TH) : -MISSING/NOT IDENTIFIED; DUE TO LUNG MASS; THYMUS NOT POSITIVELY IDENTIFIED; POSSIBLE REMNANTS COLLECTED	THYMUS (TH) : -M-THYMIC CARCINOMA,-NEOPLASM PRESENT
	LUNG (LU) : -MASS(ES); INVOLVING ENTIRE RIGHT CAUDAL AND MIDDLE LOBES: SINGLE MASS, 48 X 23 X 18 MM, RED, DARK RED, GRAY, TAN, LOBULATED, VASCULAR, AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (TRACHEOBRONCHIAL) NORMAL (CAP 22); PORTION OF MASS ADHERED TO DIAPHRAGM; ADHESIONS COLLECTED WITH MASS	LUNG (LU) : >UNREMARKABLE >NOTE:>SEE THYMUS FOR DIAGNOSIS OF MASS
		HEART (HT) : -CARDIOMYOPATHY,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-SLIGHT
	PITUITARY (PI) : -MASS(ES); 12 X 11 X 8 MM, DARK RED, LOBULATED, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93002 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/01/99 STUDY DAY OF DEATH: 561 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 381.4 GRAMS
DATE AND TIME OF NECROPSY: 11/01/99 14:15 PROSECTOR: JOHN S. HALFORD RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 48 X 30 X 18 MM, RED, DARK RED, LOBULATED, AND SOFT; ON SECTION EXUDES A BROWN FLUID (CAP 23); REGIONAL LN (AXILLARY) NORMAL (CAP 24) -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION -MASS #2; RIGHT INGUINAL REGION: SINGLE MASS, 55 X 40 X 40 MM, RED, DARK RED, BLACK, GRAY, TAN, VASCULAR, LOBULATED, AND SOFT; ON SECTION EXUDES A BROWN FLUID; COLLECTED INTACT; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -M-CARCINOMA,- 2 NEOPLASMS PRESENT -CYST / GALACTOCELE,-PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT
	UTERUS (UT) : -CYST(S); RIGHT, WITHIN WALLS: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 3 MM IN DIAMETER	UTERUS (UT) : -DILATATION,-MODERATELY SEVERE
	VAGINA (VA) : -SEMIFLUID MATERIAL; WITHIN LUMEN: GREEN MUCOID SEMIFLUID MATERIAL	VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
		LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT
	LN, MANDIBULAR (MN) : -LARGE; LEFT: UP TO 8 X 5 X 3 MM (RIGHT IS UP TO 4 X 4 X 3 MM) (CAP 21)	LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93002 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/01/99 STUDY DAY OF DEATH: 561 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 381.4 GRAMS
DATE AND TIME OF NECROPSY: 11/01/99 14:15 PROSECTOR: JOHN S. HALFORD RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LN, TRACHEOBRON (TB) : -HYPERPLASIA, LYMPHOPLASMACYTIC,- MINIMAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; RIGHT: DRY, DARK RED MATERIAL -ANIMAL THIN -DISCHARGE-NASAL; DARK RED AND DRY; POSSIBLY CONSISTENT WITH (RED HAIRCOAT ENTIRE HEAD) NOTED IN CLINICAL OBSERVATIONS GENERAL INFORMATION (XX) : >NOTE:>OCULAR DISCHARGE (LEFT EYE) NOTED IN CLINICAL OBSERVATIONS WAS NOT SEEN AT NECROPSY	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93002 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/01/99 STUDY DAY OF DEATH: 561 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 381.4 GRAMS
DATE AND TIME OF NECROPSY: 11/01/99 14:15 PROSECTOR: JOHN S. HALFORD RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93003 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/07/00 STUDY DAY OF DEATH: 719 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 625.8 GRAMS
DATE AND TIME OF NECROPSY: 04/07/00 7:24 PROSECTOR: JAMES T. CALLEN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: NOT OBSERVED >MASS(ES); AXILLARY REGION-LEFT; WEEK 56; 90 X 90MM; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; SORE/SCAB; AXILLARY REGION-LEFT; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 4 X 3 MM, SOME ARE SUNKEN WITH A STELLATE PATTERN; COLLECTED ON ROUTINE SECTIONS OVARY (OV) : -CYST(S); LEFT: SINGLE CLEAR FLUID FILLED CYST, 3 MM IN DIAMETER	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-SLIGHT -NECROSIS, COAGULATIVE,-SLIGHT -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL -ANGIECTASIS,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, TUBULAR,-MINIMAL OVARY (OV) : >UNREMARKABLE LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93003 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/07/00 STUDY DAY OF DEATH: 719 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 625.8 GRAMS
DATE AND TIME OF NECROPSY: 04/07/00 7:24 PROSECTOR: JAMES T. CALLEN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYROID (TY) : -COLLOID, DECREASED,-SEVERE
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 105 X 105 X 45 MM, RED, TAN, LOBULATED, AND SOFT; SAME ON CUT SURFACE; OVERLYING SKIN HAS A MOIST RED ULCERATED AREA, 35 X 30 MM; COLLECTED INTACT WITH MASS; REPRESENTATIVE PORTIONS COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 22)	MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,-NEOPLASM PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
		LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,- MODERATE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -STAINS-PERINEUM/PERIANAL; DRY YELLOW MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93003 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/07/00 STUDY DAY OF DEATH: 719 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 625.8 GRAMS
DATE AND TIME OF NECROPSY: 04/07/00 7:24 PROSECTOR: JAMES T. CALLEN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93004 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/21/99 STUDY DAY OF DEATH: 520 STUDY WEEK OF DEATH: 75 TERMINAL BODY WEIGHT: 322.9 GRAMS
DATE AND TIME OF NECROPSY: 09/21/99 14:10 PROSECTOR: JARED FISHEL RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EYES; SQUINTED; PERI-ORBITAL-RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE >BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE >BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) ADRENAL, CORTEX (AC) : -LARGE; LEFT: 8 MM IN DIAMETER (RIGHT IS 4 X 3 X 3 MM) OVARY (OV) : -CYST(S); LEFT: SINGLE CLEAR FLUID FILLED CYST, 3 MM IN DIAMETER	BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC / HEMORRHAGIC,-MODERATELY SEVERE OVARY (OV) : -CYST,-PRESENT THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93004 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/21/99 STUDY DAY OF DEATH: 520 STUDY WEEK OF DEATH: 75 TERMINAL BODY WEIGHT: 322.9 GRAMS
DATE AND TIME OF NECROPSY: 09/21/99 14:10 PROSECTOR: JARED FISHEL RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 10 X 9 X 9 MM, RED, DARK RED, TAN, LOBULATED AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	LN, MANDIBULAR (MN) : -MOTTLED; BILATERAL: RED AND TAN (CAP 21) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY RED MATERIAL	LN, MANDIBULAR (MN) : -HEMORRHAGE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93004 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/21/99 STUDY DAY OF DEATH: 520 STUDY WEEK OF DEATH: 75 TERMINAL BODY WEIGHT: 322.9 GRAMS
DATE AND TIME OF NECROPSY: 09/21/99 14:10 PROSECTOR: JARED FISHEL RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), KIDNEY (KD), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93005 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/09/00 STUDY DAY OF DEATH: 630 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: 327.1 GRAMS
DATE AND TIME OF NECROPSY: 01/09/00 9:01 PROSECTOR: DONIA MEYER RECORDER: DONIA MEYER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>MASS(ES); AXILLARY REGION-LEFT; WEEK 51; 40 X 45MM; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MINIMAL
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-MINERALIZATION, PELVIC,-SLIGHT
-HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
ADRENAL, CORTEX (AC) :
-DEGENERATION, CYSTIC / HEMORRHAGIC,-MODERATELY SEVERE
-PIGMENT,-MINIMAL
LN, MESENTERIC (MS) :
-HYPERPLASIA, LYMPHORETICULAR,-SEVERE
MARROW, STERNUM (SE) :
-HYPERPLASIA, MYELOID, MARROW,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93005 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/09/00 STUDY DAY OF DEATH: 630 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: 327.1 GRAMS
DATE AND TIME OF NECROPSY: 01/09/00 9:01 PROSECTOR: DONIA MEYER RECORDER: DONIA MEYER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -HYPERPLASIA, LYMPHORETICULAR,-SEVERE
	PITUITARY (PI) : -MASS(ES); 14 X 10 X 9 MM, RED, DARK RED, GRAY AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-SLIGHT -EDEMA,-PRESENT -INFLAMMATION, SUBACUTE,-MODERATE
		SKIN (SK) : -M-FIBROSARCOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 55 X 50 X 30 MM, RED, DARK RED, TAN, FIRM AND LOBULATED; SOME SECTIONS EXUDE A TAN, CREAMY SEMISOLID; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 21) -CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE TAN AND CREAMY SEMIFLUID FILLED CYSTS, UP TO 5 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT -B-ADENOMA,-NEOPLASM PRESENT >NOTE:>SEE ALSO SKIN, AS MASS CONTAINS TWO DISTINCT COMPONENTS. MASS 1 IS THE FIBROADENOMA
		VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-MINIMAL -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93005 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/09/00 STUDY DAY OF DEATH: 630 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: 327.1 GRAMS
DATE AND TIME OF NECROPSY: 01/09/00 9:01 PROSECTOR: DONIA MEYER RECORDER: DONIA MEYER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LN, AXILLARY (AX) : -HYPERPLASIA, RETICULOENDOTHELIAL,- SLIGHT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY RED MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93005 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/09/00 STUDY DAY OF DEATH: 630 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: 327.1 GRAMS
DATE AND TIME OF NECROPSY: 01/09/00 9:01 PROSECTOR: DONIA MEYER RECORDER: DONIA MEYER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93006 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 193.9 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 11:39 PROSECTOR: JODI THIEREN RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LF KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	6.9154	3.5657 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LF OVARY (OV0)	--------	--------	--------	NOT TAKEN
RT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93006 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 193.9 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 11:39 PROSECTOR: JODI THIEREN RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93007 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/07/00 STUDY DAY OF DEATH: 719 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 510.2 GRAMS
DATE AND TIME OF NECROPSY: 04/07/00 7:23 PROSECTOR: MICHELE MARGGI RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT -HYPERPLASIA, BILE DUCT,-SLIGHT -FIBROSIS, PERIBILIARY,-MINIMAL LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-SLIGHT
	PITUITARY (PI) : -LARGE; 6 X 5 X 4 MM; APPEARS SWOLLEN SKIN (SK) : -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	PITUITARY (PI) : -HYPERPLASIA,-MINIMAL SKIN (SK) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,-NEOPLASM PRESENT
	CERVIX (CV) : -LARGE; 11 X 10 X 5 MM; FIRM	CERVIX (CV) : -HYPERPLASIA, MUCINOUS,-MODERATELY SEVERE CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93007 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/07/00 STUDY DAY OF DEATH: 719 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 510.2 GRAMS
DATE AND TIME OF NECROPSY: 04/07/00 7:23 PROSECTOR: MICHELE MARGGI RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
KIDNEY (KD), PANCREAS (PA), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93008 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 211.9 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 11:38 PROSECTOR: LYNN HORNER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LF KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	7.8828	3.7198 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LF OVARY (OV0)	--------	--------	--------	NOT TAKEN
RT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93008 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 211.9 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 11:38 PROSECTOR: LYNN HORNER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93009 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/21/00 STUDY DAY OF DEATH: 642 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: 358.8 GRAMS
DATE AND TIME OF NECROPSY: 01/21/00 15:07 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 79; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); HEAD-MAXILLARY-LEFT; WEEK 91; 25 X 20MM; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED
>EYES; SQUINTED; PERI-ORBITAL-RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE
>EYES; DISCOLORED/LIGHT RED; EYE-LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE
>EYES; SCAB; EYE-LEFT; VERIFIED AT NECROPSY: OBSERVED
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

EYE (EY) :
-ROUGHENED CORNEA; LEFT

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

EYE (EY) :
-INFLAMMATION, CHRONIC-ACTIVE,-SEVERE
-ULCERATION, CORNEAL,-MODERATE
BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MINIMAL
-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL
-HYPERPLASIA, BILE DUCT,-MINIMAL
KIDNEY (KD) :
-MINERALIZATION, PELVIC,-MINIMAL
-MINERALIZATION, TUBULAR,-MINIMAL
-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-MINIMAL
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
ADRENAL, CORTEX (AC) :
-HYPERPLASIA, CORTICAL,-MINIMAL
-PIGMENT,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93009 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/21/00 STUDY DAY OF DEATH: 642 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: 358.8 GRAMS
DATE AND TIME OF NECROPSY: 01/21/00 15:07 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-MODERATELY SEVERE LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 12 X 7 X 5 MM, DARK RED, TAN AND FIRM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 25 X 19 X 12 MM, RED, DARK RED, TAN AND SOFT; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -M-CARCINOMA,-NEOPLASM PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT
		VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-SLIGHT CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	LN, MANDIBULAR (MN) : -LARGE; BILATERAL: EACH IS 9 X 5 X 3 MM; COLLECTED	LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE AUDITORY SEB GL (AS) : -M-CARCINOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93009 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/21/00 STUDY DAY OF DEATH: 642 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: 358.8 GRAMS
DATE AND TIME OF NECROPSY: 01/21/00 15:07 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	CALVARIUM/SKULL (CA) : -MASS(ES); LEFT SIDE OF HEAD, NEAR BASE OF EAR: SINGLE MASS, 25 X 24 X 18 MM, RED, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (SEE MANDIBULAR) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL, LOWER INCISORS	CALVARIUM/SKULL (CA) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL >NOTE:>SEE AUDITORY SEBACEOUS GLAND FOR DIAGNOSIS

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93009 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/21/00 STUDY DAY OF DEATH: 642 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: 358.8 GRAMS
DATE AND TIME OF NECROPSY: 01/21/00 15:07 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93010 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/10/00 STUDY DAY OF DEATH: 631 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: 377.0 GRAMS
DATE AND TIME OF NECROPSY: 01/10/00 15:04 PROSECTOR: WENDY CHERRY RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>SKIN & PELAGE; BROWN HAIR COAT; PERINEAL AREA; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) :	LIVER (LI) :
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	-MOTTLED; ALL LOBES: BROWN AND TAN	-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MODERATE
		-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL
		-HYPERPLASIA, BILE DUCT,-MINIMAL
		-FIBROSIS, PERIBILIARY,-MINIMAL
	KIDNEY (KD) :	KIDNEY (KD) :
	-GRANULAR MATERIAL; LEFT, WITHIN PELVIS: MULTIPLE TAN AND FIRM GRANULES, UP TO 1 MM IN DIAMETER	-MINERALIZATION, PELVIC,-MODERATE
		-HYPERPLASIA, TRANSITIONAL CELL,-MODERATE
		-INFLAMMATION, SUPPURATIVE, PELVIC,-SLIGHT
		SPLEEN (SP) :
		-PIGMENT, INCREASED,-SLIGHT
		PANCREAS (PA) :
		-ZYMOGEN GRANULES, DECREASED,-MODERATELY SEVERE
		ADRENAL, CORTEX (AC) :
		-PIGMENT,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93010 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/10/00 STUDY DAY OF DEATH: 631 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: 377.0 GRAMS
DATE AND TIME OF NECROPSY: 01/10/00 15:04 PROSECTOR: WENDY CHERRY RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL -CYST,-PRESENT THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 15 X 15 X 10 MM, DARK RED, GRAY AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL MAMMARY, FEMALE (MF) : -HYPERPLASIA, GLANDULAR,-MODERATE
	UTERUS (UT) : -THICKENED WALL; BILATERAL, DIFFUSE	UTERUS (UT) : -DILATATION,-MODERATE CERVIX (CV) : -B-POLYP, STROMAL,-NEOPLASM PRESENT
	VAGINA (VA) : -MASS(ES); WITHIN LUMEN: SINGLE MASS, 10 X 7 X 7 MM, DARK RED AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (SEE LUMBAR)	VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-SLIGHT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	LN, LUMBAR/ILIAC (LM) : -CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 4 X 3 X 3 MM (CAP 21)	LN, LUMBAR/ILIAC (LM) : -LYMPHANGIECTASIS,-PRESENT -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93010 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/10/00 STUDY DAY OF DEATH: 631 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: 377.0 GRAMS
DATE AND TIME OF NECROPSY: 01/10/00 15:04 PROSECTOR: WENDY CHERRY RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY -ANIMAL THIN -STAINS-PERINEUM/PERIANAL; BROWN AND MOIST MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93010 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/10/00 STUDY DAY OF DEATH: 631 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: 377.0 GRAMS
DATE AND TIME OF NECROPSY: 01/10/00 15:04 PROSECTOR: WENDY CHERRY RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93011 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/07/00 STUDY DAY OF DEATH: 719 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 626.8 GRAMS
DATE AND TIME OF NECROPSY: 04/07/00 7:24 PROSECTOR: JODI THIEREN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT -MINERALIZATION, PELVIC,-SLIGHT
	LUNG (LU) : -LIGHT FOCUS(I)/AREA(S); DIAPHRAGMATIC SURFACE OF RIGHT CAUDAL LOBE: SINGLE TAN AREA, 2 MM IN DIAMETER; COLLECTED INTACT	LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL
		THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 8 X 7 X 5 MM, DARK RED, TAN, GRAY AND FIRM	PITUITARY (PI) : -HYPERPLASIA,-MODERATE -ANGIECTASIS,-PRESENT
	UTERUS (UT) : -CYST(S); WITHIN WALL OF LEFT HORN: MULTIPLE CYSTS, SOME ARE CLEAR FLUID FILLED AND SOME ARE RED FLUID FILLED CYSTS, UP TO 5 MM IN DIAMETER	UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93011 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/07/00 STUDY DAY OF DEATH: 719 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 626.8 GRAMS
DATE AND TIME OF NECROPSY: 04/07/00 7:24 PROSECTOR: JODI THIEREN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	VAGINA (VA) : -MASS(ES); ATTACHED TO SEROSAL SURFACE: SINGLE MASS, 12 X 6 X 2 MM, TAN, SOFT AND VAGINA LIKE APPEARANCE; COLLECTED INTACT; REGIONAL LN (LUMBAR) NORMAL (CAP 22) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-SLIGHT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT LN, LUMBAR/ILIAC (LM) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93011 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/07/00 STUDY DAY OF DEATH: 719 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 626.8 GRAMS
DATE AND TIME OF NECROPSY: 04/07/00 7:24 PROSECTOR: JODI THIEREN RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), PARATHYROID (PT), MAMMARY, FEMALE (MF), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93012 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/01/99 STUDY DAY OF DEATH: 561 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 582.3 GRAMS
DATE AND TIME OF NECROPSY: 11/01/99 14:40 PROSECTOR: JOHN S. HALFORD RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>MASS(ES); AXILLARY REGION-LEFT; WEEK 37; 115 X 95MM; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; BLACK SKIN; VENTRAL-THORACIC-LEFT; VERIFIED AT NECROPSY: NOT OBSERVED
>SKIN & PELAGE; SORE/SCAB; VENTRAL-THORACIC-LEFT; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-MINERALIZATION, PELVIC,-MINIMAL
SPLEEN (SP) :
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE
ADRENAL, CORTEX (AC) :
-PIGMENT,-MODERATELY SEVERE
-DEGENERATION / NECROSIS, UNILATERAL,-SEVERE
ADRENAL, MEDULLA (MA) :
-UNILATERALLY EXAMINED,-PRESENT
MARROW, FEMUR (FM) :
-HYPERPLASIA, ERYTHROID, MARROW,-SLIGHT
MARROW, STERNUM (SE) :
-HYPERPLASIA, MYELOID, MARROW,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93012 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/01/99 STUDY DAY OF DEATH: 561 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 582.3 GRAMS
DATE AND TIME OF NECROPSY: 11/01/99 14:40 PROSECTOR: JOHN S. HALFORD RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE
	PITUITARY (PI) : -MASS(ES); 8 X 6 X 6 MM, RED, GRAY, TAN, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
	STOMACH, GL (ST) : -THICKENED WALL; MUCOSA	STOMACH, GL (ST) : >UNREMARKABLE
		JEJUNUM (JE) : >AUTOLYTIC
		ILEUM (IL) : >AUTOLYTIC
		CECUM (CE) : >AUTOLYTIC
		MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT -HYPERPLASIA, GLANDULAR,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93012 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/01/99 STUDY DAY OF DEATH: 561 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 582.3 GRAMS
DATE AND TIME OF NECROPSY: 11/01/99 14:40 PROSECTOR: JOHN S. HALFORD RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION, EXTENDING TO LEFT LATERAL THORACIC REGION: SINGLE MASS, 113 X 85 X 61 MM (214.0 GRAMS), RED, DARK RED, GRAY, GREEN, BLACK, TAN, LOBULATED, VASCULAR, CYSTIC, AND FIRM; SOME SECTIONS EXUDE A GREEN MUCOID SEMIFLUID MATERIAL; PORTIONS COLLECTED; REGIONAL LN (SEE AXILLARY); OVERLYING SKIN HAS A SINGLE DRY, BLACK CRUSTED AREA, 65 X 40 MM; COLLECTED WITH MASS -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	LN, AXILLARY (AX) : -LARGE; BILATERAL: LEFT IS UP TO 10 X 8 X 6 MM, RIGHT IS UP TO 7 X 5 X 4 MM (CAP 22)	LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93012 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/01/99 STUDY DAY OF DEATH: 561 STUDY WEEK OF DEATH: 81 TERMINAL BODY WEIGHT: 582.3 GRAMS
DATE AND TIME OF NECROPSY: 11/01/99 14:40 PROSECTOR: JOHN S. HALFORD RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93013 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/06/99 STUDY DAY OF DEATH: 596 STUDY WEEK OF DEATH: 86 TERMINAL BODY WEIGHT: 262.1 GRAMS
DATE AND TIME OF NECROPSY: 12/06/99 15:07 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; THIN; VERIFIED AT
NECROPSY: NOT OBSERVED
>EYES; RED DISCHARGE; EYES; VERIFIED AT
NECROPSY: OBSERVED
>BEHAVIOR; ATAXIC; VERIFIED AT
NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT
NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-MINERALIZATION, PELVIC,-MODERATELY SEVERE
-INFILTRATE, FAT, INTERSTITIAL,-SLIGHT
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT
ADRENAL, CORTEX (AC) :
-PIGMENT,-MINIMAL
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93013 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/06/99 STUDY DAY OF DEATH: 596 STUDY WEEK OF DEATH: 86 TERMINAL BODY WEIGHT: 262.1 GRAMS
DATE AND TIME OF NECROPSY: 12/06/99 15:07 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 11 X 6 X 6 MM, TAN AND SOFT MAMMARY, FEMALE (MF) : -THICKENED; ALL REGIONS, DIFFUSE: TAN AND SOFT; COLLECTED ON ROUTINE SECTION GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY DARK RED MATERIAL	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93013 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/06/99 STUDY DAY OF DEATH: 596 STUDY WEEK OF DEATH: 86 TERMINAL BODY WEIGHT: 262.1 GRAMS
DATE AND TIME OF NECROPSY: 12/06/99 15:07 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93014 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/01/99 STUDY DAY OF DEATH: 530 STUDY WEEK OF DEATH: 76 TERMINAL BODY WEIGHT: 253.3 GRAMS
DATE AND TIME OF NECROPSY: 10/01/99 14:07 PROSECTOR: JILL PAUS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); INGUINAL REGION-LEFT; WEEK 72; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-DILATATION, VENTRICULAR,-PRESENT
>MASS(ES); AXILLARY REGION-LEFT; WEEK 73; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED		-COMPRESSION, VENTRAL,-PRESENT
		LIVER (LI) :
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) :
		-MINERALIZATION, PELVIC,-MINIMAL
>APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE		-PIGMENT, TUBULAR,-MINIMAL
		SPLEEN (SP) :
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		-PIGMENT, INCREASED,-MODERATE
		PANCREAS (PA) :
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE		-ZYMOGEN GRANULES, DECREASED,-MODERATELY SEVERE
		-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
	-LARGE; LEFT: 7 X 5 X 3 MM (RIGHT IS 4 X 2 X 2 MM)	-DEGENERATION, CYSTIC / HEMORRHAGIC,-MODERATELY SEVERE
	-DIFFUSELY RED; LEFT: DARK RED	
		THYMUS (TH) :
		-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93014 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/01/99 STUDY DAY OF DEATH: 530 STUDY WEEK OF DEATH: 76 TERMINAL BODY WEIGHT: 253.3 GRAMS
DATE AND TIME OF NECROPSY: 10/01/99 14:07 PROSECTOR: JILL PAUS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 11 X 7 X 7 MM, RED, DARK RED, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, NONGL (SU) : -THICKENED WALL; DIFFUSE -RED FOCUS(I)/AREA(S); MUCOSA: MULTIPLE AREAS, PINPOINT AND UP TO 2 X 1 MM	STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-MODERATE -ULCERATION,-SLIGHT -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
	MAMMARY, FEMALE (MF) : -CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE TAN CREAMY FLUID FILLED CYSTS, UP TO 12 MM IN DIAMETER (CAP 21); POSSIBLY CONSISTENT WITH MASSES AS NOTED IN CLINICAL OBSERVATIONS	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -INFLAMMATION, CHRONIC,-MODERATE
	UTERUS (UT) : -CYST(S); RIGHT, WITHIN HORN: SINGLE CLEAR FLUID FILLED CYST, 5 MM IN DIAMETER	UTERUS (UT) : -CYST,-MODERATE
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED DRY MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93014 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/01/99 STUDY DAY OF DEATH: 530 STUDY WEEK OF DEATH: 76 TERMINAL BODY WEIGHT: 253.3 GRAMS
DATE AND TIME OF NECROPSY: 10/01/99 14:07 PROSECTOR: JILL PAUS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93015 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/31/00 STUDY DAY OF DEATH: 712 STUDY WEEK OF DEATH: 102 TERMINAL BODY WEIGHT: 388.7 GRAMS
DATE AND TIME OF NECROPSY: 03/31/00 11:00 PROSECTOR: JARED FISHEL RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL; WEEK 97; 40 X 30MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-DILATATION, VENTRICULAR,-PRESENT
		-COMPRESSION, VENTRAL,-PRESENT
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) :
		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED		-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		-HYPERPLASIA, BILE DUCT,-MINIMAL
		-HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
		KIDNEY (KD) :
		-MINERALIZATION, PELVIC,-MINIMAL
		SPLEEN (SP) :
		-PIGMENT, INCREASED,-MODERATE
		PANCREAS (PA) :
		-ZYMOGEN GRANULES, DECREASED,-SLIGHT
	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
	-LARGE; BILATERAL: EACH IS 7 MM IN DIAMETER	-ANGIECTASIS,-MODERATELY SEVERE
		-HYPERTROPHY, CORTICAL CELL,-SLIGHT
		-DEGENERATION, CYSTIC / HEMORRHAGIC,-SLIGHT
		-PIGMENT,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93015 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/31/00 STUDY DAY OF DEATH: 712 STUDY WEEK OF DEATH: 102 TERMINAL BODY WEIGHT: 388.7 GRAMS
DATE AND TIME OF NECROPSY: 03/31/00 11:00 PROSECTOR: JARED FISHEL RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 8 MM IN DIAMETER, DARK RED AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); MID ABDOMINAL REGION: SINGLE MASS, 45 X 30 X 30 MM, RED, TAN AND LOBULATED; SOME SECTIONS EXUDE A TAN SEMIFLUID; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT
	UTERUS (UT) : -MASS(ES); WITHIN LUMEN OF LEFT HORN: SINGLE MASS, 25 X 4 X 3 MM, RED, TAN AND SOFT; COLLECTED INTACT WITH UTERUS; REGIONAL LN (LUMBAR) NORMAL (CAP 21)	UTERUS (UT) : -B-POLYP, ENDOMETRIAL, STROMAL,-NEOPLASM PRESENT -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93015 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/31/00 STUDY DAY OF DEATH: 712 STUDY WEEK OF DEATH: 102 TERMINAL BODY WEIGHT: 388.7 GRAMS
DATE AND TIME OF NECROPSY: 03/31/00 11:00 PROSECTOR: JARED FISHEL RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CERVIX (CV) : -HYPERPLASIA, STROMAL,-MODERATE CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT LN, LUMBAR/ILIAC (LM) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY RED MATERIAL -STAINS-PERINEUM/PERIANAL; PERINEUM: MOIST YELLOW MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93015 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/31/00 STUDY DAY OF DEATH: 712 STUDY WEEK OF DEATH: 102 TERMINAL BODY WEIGHT: 388.7 GRAMS
DATE AND TIME OF NECROPSY: 03/31/00 11:00 PROSECTOR: JARED FISHEL RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93016 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/11/99 STUDY DAY OF DEATH: 571 STUDY WEEK OF DEATH: 82 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/11/99 7:46 PROSECTOR: CHANESTA ACKER RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>APPEARANCE; MISSING; TEETH; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE		-HEMORRHAGE,-MINIMAL
>APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) :
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED		-HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-MINIMAL
		-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
	KIDNEY (KD) :	KIDNEY (KD) :
	-LARGE PELVIS(ES); RIGHT	-DILATATION, PELVIC,-MODERATE
		SPLEEN (SP) :
		-PIGMENT, INCREASED,-MODERATE
	PANCREAS (PA) :	PANCREAS (PA) :
	-MASS(ES); ATTACHED TO CRANIAL PORTION OF DUODENUM: SINGLE MASS, 17 X 14 X 10 MM, RED, DARK RED, TAN AND SOFT; ON SECTION EXUDES A RED, SEMIFLUID MATERIAL (CAP 22); REGIONAL LN (SEE PANCREATIC)	-M-CARCINOMA, ISLET CELL,-NEOPLASM PRESENT
	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
	-LARGE; LEFT: 7 X 5 X 3 MM (RIGHT IS 5 X 4 X 3 MM)	-ANGIECTASIS,-SLIGHT
		-PIGMENT,-MINIMAL
		MARROW, FEMUR (FM) :
		-HYPERPLASIA, MYELOID, MARROW,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93016 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/11/99 STUDY DAY OF DEATH: 571 STUDY WEEK OF DEATH: 82 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/11/99 7:46 PROSECTOR: CHANESTA ACKER RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-MODERATE
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT
	LUNG (LU) : -UNCOLLAPSED; ALL LOBES	LUNG (LU) : >UNREMARKABLE
	PITUITARY (PI) : -MASS(ES); 12 X 10 X 8 MM, DARK RED, TAN, GREY AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		JEJUNUM (JE) : >AUTOLYTIC
		ILEUM (IL) : >AUTOLYTIC
		CECUM (CE) : >AUTOLYTIC
		MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	LN, MANDIBULAR (MN) : -LARGE; BILATERAL: EACH IS UP TO 12 X 6 X 3 MM (CAP 21)	LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATELY SEVERE
	LN, ANT MES/PANC (AP) : -DIFFUSELY RED; DARK RED (CAP 23)	LN, ANT MES/PANC (AP) : -HEMORRHAGE,-PRESENT -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93016 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/11/99 STUDY DAY OF DEATH: 571 STUDY WEEK OF DEATH: 82 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/11/99 7:46 PROSECTOR: CHANESTA ACKER RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-MALOCCLUSION; UPPER RIGHT INCISOR
-TEETH MISSING/BROKEN/WORN; UPPER LEFT INCISOR: MISSING

HISTOPATHOLOGY

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93017 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/10/00 STUDY DAY OF DEATH: 631 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: 464.5 GRAMS
DATE AND TIME OF NECROPSY: 01/10/00 14:58 PROSECTOR: JAMES T. CALLEN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 33; 60 X 60MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>SKIN & PELAGE; SORE/SCAB; VENTRAL-ABDOMINAL-LEFT; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) :
		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		-NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL
		-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
		-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL
		KIDNEY (KD) :
		-MINERALIZATION, PELVIC,-SLIGHT
		SPLEEN (SP) :
		-PIGMENT, INCREASED,-MODERATELY SEVERE
		ADRENAL, CORTEX (AC) :
		-ANGIECTASIS,-SLIGHT
		-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL
		-PIGMENT,-SLIGHT
	OVARY (OV) :	OVARY (OV) :
	-CYST(S); RIGHT: SINGLE RED FLUID FILLED CYST, 1 MM IN DIAMETER	>UNREMARKABLE
		MARROW, FEMUR (FM) :
		-HYPERPLASIA, MYELOID, MARROW,-SEVERE
		MARROW, STERNUM (SE) :
		-HYPERPLASIA, MYELOID, MARROW,-SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93017 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/10/00 STUDY DAY OF DEATH: 631 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: 464.5 GRAMS
DATE AND TIME OF NECROPSY: 01/10/00 14:58 PROSECTOR: JAMES T. CALLEN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : >AUTOLYTIC HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
	THYROID (TY) : -LARGE; LEFT: 6 X 4 X 3 MM (RIGHT IS 4 X 3 X 2 MM)	THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 10 X 7 X 6 MM, DARK RED AND FIRM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	SKIN (SK) : >NOTE:>SKIN AND MAMMARY SECTION TAKEN FROM RIGHT INGUINAL REGION DUE TO LEFT INGUINAL MASS	
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 72 X 65 X 39 MM, TAN, RED, LOBULATED AND FIRM; SAME ON CUT SURFACE; OVERLYING SKIN HAS A RED, TAN AND MOIST ULCERATED AREA, 37 X 20 MM; COLLECTED INTACT WITH MASS; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -M-CARCINOMA,-NEOPLASM PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT -HYPERPLASIA, GLANDULAR,-MINIMAL >NOTE:>MASS 1 IS THE CARCINOMA
	UTERUS (UT) : -CYST(S); BILATERAL, WITHIN WALLS: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 4 MM IN DIAMETER	UTERUS (UT) : -DILATATION,-MODERATELY SEVERE
		VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93017 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/10/00 STUDY DAY OF DEATH: 631 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: 464.5 GRAMS
DATE AND TIME OF NECROPSY: 01/10/00 14:58 PROSECTOR: JAMES T. CALLEN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-NEOPLASM, MAMMARY GLAND,-PRESENT
>NOTE:>CARCINOMA

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93018 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 275.9 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 13:57 PROSECTOR: LAURIE J. SCHULLER RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0335	.0121 %	.0163	WEIGHT TAKEN
RT ADRENAL (AD1)	.0363	.0132 %	.0177	WEIGHT TAKEN
BRAIN (BR)	2.0491	.7427 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.1939	.4327 %	.5826	WEIGHT TAKEN
RT KIDNEY (KD1)	1.1675	.4232 %	.5698	WEIGHT TAKEN
LIVER (LI)	9.0596	3.2837 %	4.4213	WEIGHT TAKEN
LUNG (LU)	1.4142	.5126 %	.6902	WEIGHT TAKEN
LF OVARY (OV0)	.0709	.0257 %	.0346	WEIGHT TAKEN
RT OVARY (OV1)	.0673	.0244 %	.0328	WEIGHT TAKEN
SPLEEN (SP)	.4924	.1785 %	.2403	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0056	.0020 %	.0027	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0105	.0038 %	.0051	WEIGHT TAKEN
UTERUS (UT)	.5391	.1954 %	.2631	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-VACUOLATION, HEPATOCELLULAR,
PERIPORTAL,-MINIMAL
KIDNEY (KD) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-MINERALIZATION, TUBULAR,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MINIMAL
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93018 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 275.9 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 13:57 PROSECTOR: LAURIE J. SCHULLER RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93019 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/22/99 STUDY DAY OF DEATH: 309 STUDY WEEK OF DEATH: 45 TERMINAL BODY WEIGHT: 292.6 GRAMS
DATE AND TIME OF NECROPSY: 02/22/99 13:47 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: NOT OBSERVED
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MODERATE
KIDNEY (KD) :
-MINERALIZATION, TUBULAR,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-SLIGHT
ADRENAL, CORTEX (AC) :
-INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT
MARROW, FEMUR (FM) :
-HYPOCELLULAR, MARROW,-MODERATE
MARROW, STERNUM (SE) :
-HYPOCELLULAR, MARROW,-MODERATE
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93019 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/22/99 STUDY DAY OF DEATH: 309 STUDY WEEK OF DEATH: 45 TERMINAL BODY WEIGHT: 292.6 GRAMS
DATE AND TIME OF NECROPSY: 02/22/99 13:47 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 10 X 9 X 9 MM, RED, DARK RED AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, NONGL (SU) : -THICKENED WALL; DIFFUSE	STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-SLIGHT -EDEMA,-PRESENT -INFLAMMATION, SUBACUTE,-MODERATE
		MAMMARY, FEMALE (MF) : -HYPERPLASIA, GLANDULAR,-SLIGHT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -STAINS-PERINEUM/PERIANAL; MOIST YELLOW MATERIAL -DISCHARGE-NASAL; BILATERAL: DARK RED AND DRY MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93019 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/22/99 STUDY DAY OF DEATH: 309 STUDY WEEK OF DEATH: 45 TERMINAL BODY WEIGHT: 292.6 GRAMS
DATE AND TIME OF NECROPSY: 02/22/99 13:47 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93020 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 07/24/99 STUDY DAY OF DEATH: 461 STUDY WEEK OF DEATH: 66 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 07/24/99 9:32 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: NOT OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT -CONGESTION,-PRESENT KIDNEY (KD) : -MINERALIZATION, PELVIC,-SLIGHT -INFLAMMATION, SUPPURATIVE, PELVIC,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE PANCREAS (PA) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL ADRENAL, CORTEX (AC) : -PIGMENT,-SLIGHT
	THYMUS (TH) : -RED FOCUS(I)/AREA(S); DIFFUSE: MULTIPLE RED FOCI, UP TO 2 MM IN DIAMETER	THYMUS (TH) : -HEMORRHAGE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93020 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 07/24/99 STUDY DAY OF DEATH: 461 STUDY WEEK OF DEATH: 66 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 07/24/99 9:32 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 8 X 6 X 5 MM, RED, GRAY, TAN, LOBULATED AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		STOMACH, GL (ST) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL
		JEJUNUM (JE) : >AUTOLYTIC
		ILEUM (IL) : >AUTOLYTIC
		CECUM (CE) : >AUTOLYTIC
		COLON (CO) : >AUTOLYTIC
		MAMMARY, FEMALE (MF) : >SECTION EXAMINED; TISSUE NOT PRESENT
	UTERUS (UT) : -LUMEN FILLED WITH FLUID; BILATERAL, NEAR DISTAL ENDS: DARK GREEN, MUCOID SEMIFLUID	UTERUS (UT) : >UNREMARKABLE
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	LN, MEDIASTINAL (ML) : -DIFFUSELY RED; DARK RED (CAP 20)	LN, MEDIASTINAL (ML) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT
	GENERAL COMMENT (GC) : -DISCHARGE-OCULAR; BILATERAL: DRY, RED MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93020 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 07/24/99 STUDY DAY OF DEATH: 461 STUDY WEEK OF DEATH: 66 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 07/24/99 9:32 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93021 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/28/99 STUDY DAY OF DEATH: 435 STUDY WEEK OF DEATH: 63 TERMINAL BODY WEIGHT: 291.5 GRAMS
DATE AND TIME OF NECROPSY: 06/28/99 13:45 PROSECTOR: KEVIN BILLINGS RECORDER: KEVIN BILLINGS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: NOT OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-HYPERPLASIA, BILE DUCT,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-MINIMAL
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-MINERALIZATION, PELVIC,-SLIGHT
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
ADRENAL, CORTEX (AC) :
-PIGMENT,-MINIMAL
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT
LUNG (LU) :
-INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93021 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/28/99 STUDY DAY OF DEATH: 435 STUDY WEEK OF DEATH: 63 TERMINAL BODY WEIGHT: 291.5 GRAMS
DATE AND TIME OF NECROPSY: 06/28/99 13:45 PROSECTOR: KEVIN BILLINGS RECORDER: KEVIN BILLINGS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 12 X 8 X 6 MM; DARK RED, TAN, GREY, SOFT AND LOBULATED	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -THICKENED; ALL REGIONS DIFFUSE: TAN; COLLECTED ON ROUTINE SECTION -CYST(S); LEFT PERIANAL REGION: SINGLE CYST, 10 MM IN DIAMETER; FILLED WITH A TAN CREAMY SEMIFLUID (CAP 20)	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -HYPERPLASIA, GLANDULAR,-MODERATE
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93021 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/28/99 STUDY DAY OF DEATH: 435 STUDY WEEK OF DEATH: 63 TERMINAL BODY WEIGHT: 291.5 GRAMS
DATE AND TIME OF NECROPSY: 06/28/99 13:45 PROSECTOR: KEVIN BILLINGS RECORDER: KEVIN BILLINGS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93022 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/07/00 STUDY DAY OF DEATH: 719 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 591.1 GRAMS
DATE AND TIME OF NECROPSY: 04/07/00 7:24 PROSECTOR: TROY ELLENBECKER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 87; 60 X 50MM; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED FOCI, SOME SUNKEN WITH A STELLATE PATTERN, UP TO 5 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-SLIGHT -ANGIECTASIS,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT -MINERALIZATION, PELVIC,-MODERATE
	ADRENAL, CORTEX (AC) : -LARGE; LEFT: 7 MM IN DIAMETER (RIGHT IS 4 MM IN DIAMETER) -DARK FOCUS(I)/AREA(S); LEFT: SINGLE DARK BROWN AREA, 3 MM IN DIAMETER	ADRENAL, CORTEX (AC) : -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL -HYPERTROPHY, CORTICAL CELL,-MODERATE -DEGENERATION, CYSTIC / HEMORRHAGIC,-MODERATE -PIGMENT,-MINIMAL ADRENAL, MEDULLA (MA) : -UNILATERALLY EXAMINED,-PRESENT THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); RIGHT ASPECT: SINGLE DARK RED AREA, 2 X 1 MM	PITUITARY (PI) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93022 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/07/00 STUDY DAY OF DEATH: 719 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 591.1 GRAMS
DATE AND TIME OF NECROPSY: 04/07/00 7:24 PROSECTOR: TROY ELLENBECKER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT INGUINAL REGION: SINGLE MASS, 60 X 50 X 30 MM, RED, DARK RED, TAN AND FIRM; SAME ON CUT SURFACE (CAP 22); REGIONAL LN (INGUINAL) NOT IDENTIFIED -MASS #2; LEFT INGUINAL REGION: SINGLE MASS, 30 X 30 X 15 MM, RED, TAN AND FIRM; SAME ON CUT SURFACE (CAP 23); REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT
	UTERUS (UT) : -CYST(S); RIGHT HORN, NEAR BIFURCATION: SINGLE BROWN FLUID FILLED CYST, 5 MM IN DIAMETER; CYST RUPTURED AT NECROPSY	UTERUS (UT) : >UNREMARKABLE
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93022 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/07/00 STUDY DAY OF DEATH: 719 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 591.1 GRAMS
DATE AND TIME OF NECROPSY: 04/07/00 7:24 PROSECTOR: TROY ELLENBECKER RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), LUNG (LU), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93023 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 237.2 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 10:30 PROSECTOR: STEVE VAN ADESTINE RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0484	.0204 %	.0235	WEIGHT TAKEN
RT ADRENAL (AD1)	.0402	.0169 %	.0195	WEIGHT TAKEN
BRAIN (BR)	2.0570	.8672 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.1140	.4696 %	.5416	WEIGHT TAKEN
RT KIDNEY (KD1)	1.0549	.4447 %	.5128	WEIGHT TAKEN
LIVER (LI)	7.8631	3.3150 %	3.8226	WEIGHT TAKEN
LUNG (LU)	1.1581	.4882 %	.5630	WEIGHT TAKEN
LF OVARY (OV0)	.0665	.0280 %	.0323	WEIGHT TAKEN
RT OVARY (OV1)	.0589	.0248 %	.0286	WEIGHT TAKEN
SPLEEN (SP)	.4895	.2064 %	.2380	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0077	.0032 %	.0037	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0074	.0031 %	.0036	WEIGHT TAKEN
UTERUS (UT)	.5715	.2409 %	.2778	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-VACUOLATION, HEPATOCELLULAR,
PERIPORTAL,-SLIGHT
KIDNEY (KD) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-DILATATION, PELVIC,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93023 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 237.2 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 10:30 PROSECTOR: STEVE VAN ADESTINE RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93024 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/08/99 STUDY DAY OF DEATH: 598 STUDY WEEK OF DEATH: 86 TERMINAL BODY WEIGHT: 313.7 GRAMS
DATE AND TIME OF NECROPSY: 12/08/99 11:39 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 61; 60 X 70MM; VERIFIED AT NECROPSY: OBSERVED
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>RESPIRATION; IRREGULAR; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-MINERALIZATION, PELVIC,-MINIMAL
SPLEEN (SP) :
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE
ADRENAL, CORTEX (AC) :
-HYPERTROPHY, CORTICAL CELL,-MINIMAL
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT
LUNG (LU) :
-MINERALIZATION, VASCULAR,-MINIMAL
HEART (HT) :
-CARDIOMYOPATHY,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93024 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/08/99 STUDY DAY OF DEATH: 598 STUDY WEEK OF DEATH: 86 TERMINAL BODY WEIGHT: 313.7 GRAMS
DATE AND TIME OF NECROPSY: 12/08/99 11:39 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYROID (TY) : -HYPERPLASIA, C-CELL,-SLIGHT
	PITUITARY (PI) : -MASS(ES); 10 X 10 X 4 MM, DARK RED AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT VENTRAL ABDOMINAL REGION: SINGLE MASS, 65 X 40 X 30 MM, TAN, SOFT, VASCULAR, AND LOBULATED; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT
		VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-MINIMAL
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY DARK RED MATERIAL -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93024 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/08/99 STUDY DAY OF DEATH: 598 STUDY WEEK OF DEATH: 86 TERMINAL BODY WEIGHT: 313.7 GRAMS
DATE AND TIME OF NECROPSY: 12/08/99 11:39 PROSECTOR: DAVID SCHUETTE RECORDER: DAVID SCHUETTE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93025 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/23/00 STUDY DAY OF DEATH: 704 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/23/00 15:03 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: NOT OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MODERATE SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-SLIGHT ADRENAL, CORTEX (AC) : -VACUOLATION, FOCAL,-MINIMAL -ANGIECTASIS,-MINIMAL -PIGMENT,-MINIMAL ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT MARROW, FEMUR (FM) : -HYPOCELLULAR, MARROW,-MODERATE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT -CYST,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93025 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/23/00 STUDY DAY OF DEATH: 704 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/23/00 15:03 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL
		THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 7 X 7 X 5 MM, DARK RED, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		DUODENUM (DU) : >AUTOLYTIC
		JEJUNUM (JE) : >AUTOLYTIC
	MAMMARY, FEMALE (MF) : -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM	MAMMARY, FEMALE (MF) : -HYPERPLASIA, GLANDULAR,-MODERATE
		URINARY BLADDER (UB) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
	CERVIX (CV) : -LARGE; 8 MM IN DIAMETER	CERVIX (CV) : -HYPERPLASIA, MUCINOUS,-MODERATE
		VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT -HYPERPLASIA, MUCINOUS,-MODERATELY SEVERE
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -DISCHARGE-OCULAR; BILATERAL: RED, MOIST MATERIAL -DISCHARGE-NASAL; RED, DRY MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93025 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/23/00 STUDY DAY OF DEATH: 704 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/23/00 15:03 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), KIDNEY (KD), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), UTERUS (UT), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93026 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/03/00 STUDY DAY OF DEATH: 715 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 331.0 GRAMS
DATE AND TIME OF NECROPSY: 04/03/00 13:29 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	>UNREMARKABLE
>MASS(ES); AXILLARY REGION-LEFT; WEEK 92; 40 X 30MM; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) :	LIVER (LI) :
	-DIFFUSELY LIGHT; ALL LOBES: TAN	-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
>SKIN & PELAGE; BLUE SKIN; VENTRAL-THORACIC-LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE		-NECROSIS, COAGULATIVE,-MODERATE
		-HEMATOPOIESIS, EXTRAMEDULLARY,-MODERATE
>EYES; PALE; EYES; VERIFIED AT NECROPSY: NOT APPLICABLE		-HYPERPLASIA, BILE DUCT,-MINIMAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		-HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-MODERATE
>SKIN & PELAGE; SORE/SCAB; VENTRAL-THORACIC-LEFT; VERIFIED AT NECROPSY: OBSERVED	KIDNEY (KD) :	KIDNEY (KD) :
	-GRANULAR MATERIAL; RIGHT, WITHIN PELVIS: MULTIPLE TAN PINPOINT GRANULES	-NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE
	-DIFFUSELY LIGHT; BILATERAL: TAN	-MINERALIZATION, PELVIC,-MINIMAL
	SPLEEN (SP) :	SPLEEN (SP) :
	-LARGE; 48 X 12 X 6 MM	-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SEVERE
		PANCREAS (PA) :
		-HYPERTROPHY / BASOPHILIA, ACINAR CELL,-SLIGHT
		-INFLAMMATION, VASCULAR,-MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93026 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/03/00 STUDY DAY OF DEATH: 715 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 331.0 GRAMS
DATE AND TIME OF NECROPSY: 04/03/00 13:29 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	ADRENAL, CORTEX (AC) : -LARGE; LEFT: 6 MM IN DIAMETER (RIGHT IS 4 MM IN DIAMETER)	ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATELY SEVERE -HEMATOPOIESIS, EXTRAMEDULLARY,-SLIGHT -HYPERTROPHY, CORTICAL CELL,-MINIMAL -PIGMENT,-MINIMAL
	OVARY (OV) : -CYST(S); LEFT: SINGLE CLEAR FLUID FILLED CYST, 4 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT
		MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,-SEVERE
		MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-MODERATELY SEVERE
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT
	PITUITARY (PI) : -MASS(ES); 4 X 4 X 3 MM, RED, GREY, CYSTIC AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MODERATE -INFLAMMATION, VASCULAR,-MODERATE
		MAMMARY, FEMALE (MF) : -M-CARCINOMA,-NEOPLASM PRESENT -CYST / GALACTOCELE,-PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93026 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/03/00 STUDY DAY OF DEATH: 715 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 331.0 GRAMS
DATE AND TIME OF NECROPSY: 04/03/00 13:29 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 21 X 19 X 11 MM, RED, DARK RED, GREY, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (SEE AXILLARY); OVERLYING SKIN HAS A SINGLE DRY, RED AND TAN CRUSTED AREA, 15 X 11 MM; COLLECTED WITH MASS; POSSIBLY CONSISTENT WITH SCAB (VENTRAL-THORACIC-LEFT) AS NOTED IN CLINICAL OBSERVATIONS	
		CERVIX (CV) : -HYPERPLASIA, MUCINOUS,-MINIMAL VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT -HYPERPLASIA, MUCINOUS,-MODERATE CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	LN, AXILLARY (AX) : -LARGE; LEFT: UP TO 5 X 4 X 3 MM (RIGHT IS UP TO 4 X 3 X 2 MM) (CAP 21)	LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,- MODERATELY SEVERE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL LOWER AND UPPER INCISORS -DISCHARGE-OCULAR; LEFT: DRY, RED MATERIAL -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93026 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/03/00 STUDY DAY OF DEATH: 715 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 331.0 GRAMS
DATE AND TIME OF NECROPSY: 04/03/00 13:29 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93027 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/10/00 STUDY DAY OF DEATH: 631 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: 344.8 GRAMS
DATE AND TIME OF NECROPSY: 01/10/00 14:48 PROSECTOR: WENDY CHERRY RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	-COMPRESSED (HYPOTHALAMUS)	-DILATATION, VENTRICULAR,-PRESENT
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE		-COMPRESSION, VENTRAL,-PRESENT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) :
		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MINIMAL
		-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
		-HYPERPLASIA, BILE DUCT,-MINIMAL
		-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
	KIDNEY (KD) :	KIDNEY (KD) :
	-GRANULAR MATERIAL; LEFT, WITHIN PELVIS: MULTIPLE TAN AND FIRM GRANULES, UP TO 1 MM IN DIAMETER	-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
		-MINERALIZATION, PELVIC,-SLIGHT
		-HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT
		-INFLAMMATION, SUPPURATIVE, PELVIC,-MINIMAL
		SPLEEN (SP) :
		-PIGMENT, INCREASED,-MODERATE
		ADRENAL, CORTEX (AC) :
		-ANGIECTASIS,-SLIGHT
		-PIGMENT,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93027 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/10/00 STUDY DAY OF DEATH: 631 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: 344.8 GRAMS
DATE AND TIME OF NECROPSY: 01/10/00 14:48 PROSECTOR: WENDY CHERRY RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE
	PITUITARY (PI) : -MASS(ES); 20 X 15 X 10 MM, DARK RED, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE TAN AND CREAMY SEMIFLUID FILLED CYSTS, UP TO 5 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -HYPERPLASIA, GLANDULAR,-MODERATE
		UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-MINIMAL
	VAGINA (VA) : -SEMIFLUID MATERIAL; WITHIN LUMEN: GREEN	VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-SLIGHT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93027 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/10/00 STUDY DAY OF DEATH: 631 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: 344.8 GRAMS
DATE AND TIME OF NECROPSY: 01/10/00 14:48 PROSECTOR: WENDY CHERRY RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93028 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/17/00 STUDY DAY OF DEATH: 638 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: 338.8 GRAMS
DATE AND TIME OF NECROPSY: 01/17/00 14:52 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>MASS(ES); INGUINAL REGION-RIGHT; WEEK 88; 10 X10MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 91; 15 X 15MM; VERIFIED AT NECROPSY: OBSERVED
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MODERATE
-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL
KIDNEY (KD) :
-MINERALIZATION, PELVIC,-MODERATE
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE
ADRENAL, CORTEX (AC) :
-ANGIECTASIS,-MODERATELY SEVERE
-PIGMENT,-SLIGHT
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE
HEART (HT) :
-CARDIOMYOPATHY,-MINIMAL
THYROID (TY) :
-HYPERPLASIA, C-CELL,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93028 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/17/00 STUDY DAY OF DEATH: 638 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: 338.8 GRAMS
DATE AND TIME OF NECROPSY: 01/17/00 14:52 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 12 X 9 X 7 MM, DARK RED AND FIRM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT INGUINAL REGION: SINGLE MASS, 20 MM IN DIAMETER, TAN, RED, AND FIRM; SAME ON CUT SURFACE; (CAP 21); REGIONAL LN (INGUINAL) NOT IDENTIFIED -MASS #2; RIGHT INGUINAL REGION CRANIAL TO MASS 1: SINGLE MASS, 15 X 12 X 10 MM, TAN, RED AND FIRM; SAME ON CUT SURFACE; (CAP 22); REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -M-CARCINOMA,-NEOPLASM PRESENT -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT -HYPERPLASIA, GLANDULAR,-MODERATE >NOTE:>MASS #1 IS THE FIBROADENOMA
		VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-MODERATE
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY RED MATERIAL -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93028 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/17/00 STUDY DAY OF DEATH: 638 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: 338.8 GRAMS
DATE AND TIME OF NECROPSY: 01/17/00 14:52 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93029 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/01/99 STUDY DAY OF DEATH: 500 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: 282.0 GRAMS
DATE AND TIME OF NECROPSY: 09/01/99 14:25 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-CERVICAL; WEEK 33; 40 X 20MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : >UNREMARKABLE
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE		SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT -FIBROSIS, CAPSULAR,-PRESENT
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
>BEHAVIOR; HYPOACTIVE; SEVERE; VERIFIED AT NECROPSY: NOT APPLICABLE	-DIFFUSELY RED; BILATERAL: DARK RED OVARY (OV) :	-ANGIECTASIS,-SLIGHT OVARY (OV) :
>APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE	-CYST(S); LEFT: SINGLE CLEAR FLUID FILLED CYST, 5 MM IN DIAMETER	-CYST,-PRESENT
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE
		HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
	PITUITARY (PI) : -LARGE; 7 X 6 X 5 MM; APPEARS SWOLLEN -DARK FOCUS(I)/AREA(S); RIGHT AND LEFT ANTERIOR ASPECT: SINGLE DARK BROWN FOCUS AT EACH LOCATION, LEFT IS 1 MM IN DIAMETER, RIGHT IS 3 MM IN DIAMETER	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93029 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/01/99 STUDY DAY OF DEATH: 500 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: 282.0 GRAMS
DATE AND TIME OF NECROPSY: 09/01/99 14:25 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN AREAS, UP TO 2 X 1 MM	STOMACH, GL (ST) : >UNREMARKABLE
		RECTUM (RE) : -PARASITISM,-PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); VENTRAL CERVICAL REGION: SINGLE MASS, 35 X 30 X 15 MM, TAN, DARK BROWN, RED, LOBULATED AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (MANDIBULAR) NORMAL (CAP 20) -THICKENED; ALL REGIONS: DIFFUSE; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -M-CARCINOMA,-NEOPLASM PRESENT -CYST / GALACTOCELE,-PRESENT
	UTERUS (UT) : -DIFFUSELY RED; BILATERAL	UTERUS (UT) : >UNREMARKABLE
		VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
		LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93029 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/01/99 STUDY DAY OF DEATH: 500 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: 282.0 GRAMS
DATE AND TIME OF NECROPSY: 09/01/99 14:25 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), KIDNEY (KD), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93030 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/18/00 STUDY DAY OF DEATH: 670 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 457.8 GRAMS
DATE AND TIME OF NECROPSY: 02/18/00 9:45 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED >BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE >EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL -B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT
	KIDNEY (KD) : -LARGE PELVIS(ES); BILATERAL -MASS(ES); LEFT, WITHIN PELVIS: SINGLE MASS, TAN AND FIRM; 15 X 13 X 6 MM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (RENAL) NOT IDENTIFIED	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT -MINERALIZATION, PELVIC,-MODERATE -HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT -B-LIPOMA,-NEOPLASM PRESENT SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-MODERATE -INFILTRATION, FAT, INTERSTITIAL,-MODERATE
	ADRENAL, CORTEX (AC) : -SMALL; RIGHT: 5 X 3 X 3 MM (LEFT IS 6 MM IN DIAMETER)	ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE -PIGMENT,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93030 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/18/00 STUDY DAY OF DEATH: 670 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 457.8 GRAMS
DATE AND TIME OF NECROPSY: 02/18/00 9:45 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-SLIGHT
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 10 X 5 X 5 MM, RED, DARK RED, TAN, GRAY, AND LOBULATED	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: MULTIPLE TAN, SLIGHTLY ERODED AREAS, UP TO 2 X 1 MM	STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-MODERATE -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
		CECUM (CE) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL
	MAMMARY, FEMALE (MF) : -MASS(ES); MID PERINEUM REGION: SINGLE MASS, 20 X 15 X 10 MM, RED, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (LUMBAR) NORMAL (CAP 21)	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
		LN, LUMBAR/ILIAC (LM) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93030 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/18/00 STUDY DAY OF DEATH: 670 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 457.8 GRAMS
DATE AND TIME OF NECROPSY: 02/18/00 9:45 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	FOOT/FOOTPAD (FP) : -ABRASION(S)/ULCERATION(S); LEFT HINDFOOT: SINGLE TAN AND MOIST ABRADED AREA, 3 MM IN DIAMETER; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	FOOT/FOOTPAD (FP) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE -ULCERATION,-MINIMAL -ACANTHOSIS / HYPERKERATOSIS,-MODERATE -FIBROSIS,-MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93030 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/18/00 STUDY DAY OF DEATH: 670 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 457.8 GRAMS
DATE AND TIME OF NECROPSY: 02/18/00 9:45 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93031 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 183.6 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 11:46 PROSECTOR: LYNN HORNER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LF KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	7.4393	4.0511 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LF OVARY (OV0)	--------	--------	--------	NOT TAKEN
RT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93031 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 183.6 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 11:46 PROSECTOR: LYNN HORNER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93032 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/27/99 STUDY DAY OF DEATH: 556 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: 284.3 GRAMS
DATE AND TIME OF NECROPSY: 10/27/99 7:57 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>BEHAVIOR; ATAXIC; VERIFIED AT
NECROPSY: NOT APPLICABLE
>APPEARANCE; THIN; VERIFIED AT
NECROPSY: OBSERVED
>BEHAVIOR; HYPOACTIVE; VERIFIED AT
NECROPSY: NOT APPLICABLE
>APPEARANCE; HUNCHED; VERIFIED AT
NECROPSY: NOT APPLICABLE
>EXCRETION; FEW FECES; VERIFIED AT
NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
-MINERALIZATION,-MINIMAL
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-MINERALIZATION, PELVIC,-MINIMAL
-MINERALIZATION, TUBULAR,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MINIMAL
PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-SLIGHT
-HYPERTROPHY / BASOPHILIA, ACINAR CELL,-MINIMAL
ADRENAL, CORTEX (AC) :
-ANGIECTASIS,-SLIGHT
-PIGMENT,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93032 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/27/99 STUDY DAY OF DEATH: 556 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: 284.3 GRAMS
DATE AND TIME OF NECROPSY: 10/27/99 7:57 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 12 X 7 X 7 MM, DARK RED, TAN, GRAY, SOFT, AND LOBULATED	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -HYPERPLASIA, GLANDULAR,-MODERATE
	UTERUS (UT) : -CYST(S); RIGHT HORN, WITHIN WALL: TWO CLEAR FLUID FILLED CYSTS, EACH IS 2 MM IN DIAMETER	UTERUS (UT) : >UNREMARKABLE
		VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93032 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/27/99 STUDY DAY OF DEATH: 556 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: 284.3 GRAMS
DATE AND TIME OF NECROPSY: 10/27/99 7:57 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93033 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/19/99 STUDY DAY OF DEATH: 456 STUDY WEEK OF DEATH: 66 TERMINAL BODY WEIGHT: 211.1 GRAMS
DATE AND TIME OF NECROPSY: 07/19/99 15:30 PROSECTOR: STEVE VAN ADESTINE RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-LEFT; WEEK 45; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) :
		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		-HYPERPLASIA, BILE DUCT,-MINIMAL
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) :
		-MINERALIZATION, PELVIC,-MODERATE
>DISCHARGE; CLEAR ORAL; MODERATE; VERIFIED AT NECROPSY: OBSERVED		-MINERALIZATION, TUBULAR,-MINIMAL
		-HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		SPLEEN (SP) :
		-PIGMENT, INCREASED,-SLIGHT
		PANCREAS (PA) :
		-ZYMOGEN GRANULES, DECREASED,-MODERATE
		ADRENAL, CORTEX (AC) :
		-ANGIECTASIS,-MINIMAL
		-HYPERTROPHY, CORTICAL CELL,-MINIMAL
		THYMUS (TH) :
		-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE
	LUNG (LU) :	LUNG (LU) :
	-MOTTLED; ALL LOBES: RED AND TAN	-INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93033 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/19/99 STUDY DAY OF DEATH: 456 STUDY WEEK OF DEATH: 66 TERMINAL BODY WEIGHT: 211.1 GRAMS
DATE AND TIME OF NECROPSY: 07/19/99 15:30 PROSECTOR: STEVE VAN ADESTINE RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LUNG (LU) : -INFLAMMATION, GRANULOMATOUS,-SLIGHT
	PITUITARY (PI) : -MASS(ES); 14 X 10 X 8 MM, DARK RED, BROWN, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: SINGLE DARK BROWN AREA, 2 X 1 MM	STOMACH, GL (ST) : >UNREMARKABLE
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 18 X 12 X 5 MM, TAN AND FIRM; SAME ON CUT SURFACE (CAP 20); REGIONAL LN (SEE AXILLARY) -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION -MASS #2; RIGHT AXILLARY REGION: SINGLE MASS, 15 X 10 X 5 MM, TAN AND FIRM; SAME ON CUT SURFACE (CAP 21); REGIONAL LN (SEE AXILLARY) -CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE TAN CREAMY SEMIFLUID FILLED CYSTS, PINPOINT AND UP TO 2 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	LN, AXILLARY (AX) : -MOTTLED; BILATERAL: BROWN AND TAN (CAP 22)	LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93033 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/19/99 STUDY DAY OF DEATH: 456 STUDY WEEK OF DEATH: 66 TERMINAL BODY WEIGHT: 211.1 GRAMS
DATE AND TIME OF NECROPSY: 07/19/99 15:30 PROSECTOR: STEVE VAN ADESTINE RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN -STAINS-PERINEUM/PERIANAL; PERINEUM: YELLOW AND MOIST -GI TRACT-LARGE LUMEN; ESOPHAGUS, DIFFUSE: UP TO 10 MM IN DIAMETER -DISCHARGE-ORAL; PINK FLUID	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93033 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/19/99 STUDY DAY OF DEATH: 456 STUDY WEEK OF DEATH: 66 TERMINAL BODY WEIGHT: 211.1 GRAMS
DATE AND TIME OF NECROPSY: 07/19/99 15:30 PROSECTOR: STEVE VAN ADESTINE RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93034 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/15/99 STUDY DAY OF DEATH: 575 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/15/99 14:08 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-LEFT; WEEK 72; 15 X 15MM; VERIFIED AT NECROPSY: NOT OBSERVED	EYE (EY) : >NOTE:>TRIMMING COMMENT: ONE EYE MISSING AT TIME OF TRIMMING	EYE (EY) : -UNILATERALLY EXAMINED,-PRESENT
>MASS(ES); INGUINAL REGION-LEFT; WEEK 73; 80 X 70MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 73; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -NECROSIS, COAGULATIVE,-MODERATE -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-MODERATELY SEVERE
>MASS(ES); INGUINAL REGION-RIGHT; WEEK 73; VERIFIED AT NECROPSY: NOT OBSERVED		
>SKIN & PELAGE; SORE/SCAB; VENTRAL-ABDOMINAL-LEFT; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-SLIGHT
		SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT
	ADRENAL, CORTEX (AC) : -LARGE; BILATERAL: EACH IS 8 X 6 X 5 MM	ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE
		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93034 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/15/99 STUDY DAY OF DEATH: 575 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/15/99 14:08 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		HEART (HT) : -METAPLASIA, OSSEOUS / CARTILAGINOUS,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 7 MM IN DIAMETER, RED, DARK RED, TAN AND FIRM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		DUODENUM (DU) : >AUTOLYTIC
		JEJUNUM (JE) : >AUTOLYTIC
		ILEUM (IL) : >AUTOLYTIC
		CECUM (CE) : >AUTOLYTIC
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 12 X 12 X 9 MM, RED, TAN AND FIRM; ON SECTION, EXUDES A TAN CREAMY SEMIFLUID (CAP 22); REGIONAL LN (AXILLARY) NORMAL (CAP 21) -MASS #2; LEFT INGUINAL REGION: SINGLE MASS, 95 X 69 X 34 MM, RED, TAN, DARK RED, VASCULAR AND SOFT; SAME ON CUT SURFACE; COLLECTED INTACT; OVERLYING SKIN HAS A DARK RED MOIST ULCERATED AREA, 30 X 20 MM, COLLECTED INTACT WITH MASS; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,-NEOPLASM PRESENT -B-ADENOMA,-NEOPLASM PRESENT >NOTE:>THE FIBROADENOMA IS MASS #2

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93034 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/15/99 STUDY DAY OF DEATH: 575 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/15/99 14:08 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-NEOPLASM, MAMMARY GLAND,-PRESENT
LN, AXILLARY (AX) :
-HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93035 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 276.6 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 13:36 PROSECTOR: JODI THIEREN RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0344	.0124 %	.0175	WEIGHT TAKEN
RT ADRENAL (AD1)	.0292	.0106 %	.0148	WEIGHT TAKEN
BRAIN (BR)	1.9688	.7118 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.2399	.4483 %	.6298	WEIGHT TAKEN
RT KIDNEY (KD1)	1.2468	.4508 %	.6333	WEIGHT TAKEN
LIVER (LI)	8.2187	2.9713 %	4.1745	WEIGHT TAKEN
LUNG (LU)	1.2172	.4401 %	.6182	WEIGHT TAKEN
LF OVARY (OV0)	.0804	.0291 %	.0408	WEIGHT TAKEN
RT OVARY (OV1)	.0836	.0302 %	.0425	WEIGHT TAKEN
SPLEEN (SP)	.5892	.2130 %	.2993	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0051	.0018 %	.0026	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0094	.0034 %	.0048	WEIGHT TAKEN
UTERUS (UT)	1.4107	.5100 %	.7165	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

UTERUS (UT) :
-LUMEN FILLED WITH FLUID; BILATERAL: CLEAR FLUID

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
KIDNEY (KD) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
UTERUS (UT) :
>NOT REQUIRED TO BE EXAMINED FOR ANIMAL

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93035 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 276.6 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 13:36 PROSECTOR: JODI THIEREN RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93036 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/02/99 STUDY DAY OF DEATH: 592 STUDY WEEK OF DEATH: 85 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/02/99 15:05 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; OBES; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 83; 20 X 20MM; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-DILATATION, VENTRICULAR,-PRESENT
>APPEARANCE; TREMORS; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE		-COMPRESSION, VENTRAL,-PRESENT
>RESPIRATION; AUDIBLE; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) :
>RESPIRATION; IRREGULAR; VERIFIED AT NECROPSY: NOT APPLICABLE		-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT
>BEHAVIOR; RECUMBENT; DORSAL; VERIFIED AT NECROPSY: NOT APPLICABLE		-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL
>APPEARANCE; CONVULSIONS; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
		-MINERALIZATION, PELVIC,-MINIMAL
		SPLEEN (SP) :
		-PIGMENT, INCREASED,-SLIGHT
		-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE
		ADRENAL, CORTEX (AC) :
		-ANGIECTASIS,-MODERATELY SEVERE
		-PIGMENT,-MINIMAL
		THYMUS (TH) :
		-HEMORRHAGE,-PRESENT
		THYROID (TY) :
		-HYPERPLASIA, C-CELL,-SLIGHT
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 8 X 6 X 6 MM, RED, DARK RED, GREY AND SOFT	-B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93036 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/02/99 STUDY DAY OF DEATH: 592 STUDY WEEK OF DEATH: 85 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/02/99 15:05 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 35 X 28 X 18 MM, RED, TAN, FIRM AND LOBULATED; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION -CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE TAN CREAMY FLUID FILLED CYSTS, UP TO 8 MM IN DIAMETER; COLLECTED	MAMMARY, FEMALE (MF) : -M-CARCINOMA,-NEOPLASM PRESENT -CYST / GALACTOCELE,-PRESENT -HYPERPLASIA, GLANDULAR,-MODERATELY SEVERE
		CERVIX (CV) : -HYPERPLASIA, MUCINOUS,-SLIGHT
	VAGINA (VA) : -SEMIFLUID MATERIAL; WITHIN LUMEN: LIGHT GREEN	VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-MODERATELY SEVERE
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	LN, MANDIBULAR (MN) : -MOTTLED; BILATERAL: RED AND TAN; COLLECTED INTACT WITH MANDIBULAR SALIVARY GLANDS	LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE -HEMORRHAGE,-PRESENT
	GENERAL COMMENT (GC) : -ANIMAL OBESE	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93036 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/02/99 STUDY DAY OF DEATH: 592 STUDY WEEK OF DEATH: 85 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/02/99 15:05 PROSECTOR: TERRI L. WILLIAMS RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93037 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/22/99 STUDY DAY OF DEATH: 459 STUDY WEEK OF DEATH: 66 TERMINAL BODY WEIGHT: 370.4 GRAMS
DATE AND TIME OF NECROPSY: 07/22/99 8:05 PROSECTOR: LYNN HORNER RECORDER: KEVIN BILLINGS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>MASS(ES); VENTRAL-CERVICAL-LEFT; WEEK 64; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; CIRCLING; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
KIDNEY (KD) :
-MINERALIZATION, PELVIC,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-MODERATE
ADRENAL, CORTEX (AC) :
-ANGIECTASIS,-SLIGHT
-DEGENERATION, CYSTIC / HEMORRHAGIC,-MINIMAL
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL
LUNG (LU) :
-INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL
PITUITARY (PI) :
-B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93037 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/22/99 STUDY DAY OF DEATH: 459 STUDY WEEK OF DEATH: 66 TERMINAL BODY WEIGHT: 370.4 GRAMS
DATE AND TIME OF NECROPSY: 07/22/99 8:05 PROSECTOR: LYNN HORNER RECORDER: KEVIN BILLINGS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 16 X 12 X 7 MM, RED, DARK RED, GRAY, LOBULATED AND SOFT	
		HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
	MAMMARY, FEMALE (MF) : -CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE TAN, CREAMY SEMIFLUID FILLED CYSTS, UP TO 15 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION; LARGEST CYSTS ARE POSSIBLY CONSISTENT WITH MASS NOTED IN CLINICAL OBSERVATIONS (CAP 20)	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT
		VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; RIGHT LOWER INCISOR -DISCHARGE-OCULAR; BILATERAL: DARK RED DARK AND DRY	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93037 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/22/99 STUDY DAY OF DEATH: 459 STUDY WEEK OF DEATH: 66 TERMINAL BODY WEIGHT: 370.4 GRAMS
DATE AND TIME OF NECROPSY: 07/22/99 8:05 PROSECTOR: LYNN HORNER RECORDER: KEVIN BILLINGS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93038 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/23/99 STUDY DAY OF DEATH: 491 STUDY WEEK OF DEATH: 71 TERMINAL BODY WEIGHT: 553.5 GRAMS
DATE AND TIME OF NECROPSY: 08/23/99 10:57 PROSECTOR: DAVID SCHUETTE RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 53; 115 X 115MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-MODERATE KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-MINIMAL -MINERALIZATION, TUBULAR,-MINIMAL SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MINIMAL PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-MODERATE ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT -PIGMENT,-SLIGHT LN, MESENTERIC (MS) : -HYPERPLASIA, RETICULOENDOTHELIAL,-SLIGHT THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE
	PITUITARY (PI) : -LARGE; 6 X 5 X 4 MM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93038 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/23/99 STUDY DAY OF DEATH: 491 STUDY WEEK OF DEATH: 71 TERMINAL BODY WEIGHT: 553.5 GRAMS
DATE AND TIME OF NECROPSY: 08/23/99 10:57 PROSECTOR: DAVID SCHUETTE RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MOTTLED; BROWN, TAN AND DARK RED	
		SKIN (SK) : -B-FIBROMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT LATERAL THORACIC REGION: SINGLE MASS, 110 X 85 X 55 MM (292.5 GRAMS), TAN, RED, SOFT, LOBULATED AND VASCULAR; SAME ON CUT SURFACE; PORTION COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 20)	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT >NOTE:>SEE SKIN FOR DIAGNOSIS
		UTERUS (UT) : -CYST,-SLIGHT
		CAUSE OF DEATH (CD) : -NEOPLASM, SKIN/MUSCLE/SUBCUTIS,-PRESENT
		LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	
	GENERAL INFORMATION (XX) : >NOTE:>ANIMAL INADVERTENTLY SACRIFICED WITH SODIUM PENTOBARBITAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93038 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/23/99 STUDY DAY OF DEATH: 491 STUDY WEEK OF DEATH: 71 TERMINAL BODY WEIGHT: 553.5 GRAMS
DATE AND TIME OF NECROPSY: 08/23/99 10:57 PROSECTOR: DAVID SCHUETTE RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93039 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/07/00 STUDY DAY OF DEATH: 719 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 587.2 GRAMS
DATE AND TIME OF NECROPSY: 04/07/00 7:24 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); INGUINAL REGION-LEFT; WEEK 66; 70 X 60MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 4 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS OVARY (OV) : -CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 3 MM IN DIAMETER	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MODERATE -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-MINIMAL -INFLAMMATION, SUPPURATIVE, PELVIC,-MINIMAL PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-SLIGHT OVARY (OV) : -UNILATERALLY EXAMINED,-PRESENT LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93039 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/07/00 STUDY DAY OF DEATH: 719 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 587.2 GRAMS
DATE AND TIME OF NECROPSY: 04/07/00 7:24 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 9 X 7 X 5 MM, RED, TAN, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	SKIN (SK) : >NOTE:>SKIN ROUTINE SECTION TAKEN FROM RIGHT INGUINAL REGION DUE TO MAMMARY MASS	SKIN (SK) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 80 X 70 X 40 MM, RED, TAN, FIRM, AND LOBULATED; SAME ON CUT SURFACE; PORTION COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED >NOTE:>MAMMARY ROUTINE SECTION TAKEN FROM RIGHT INGUINAL REGION DUE TO MAMMARY MASS	MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,-NEOPLASM PRESENT -HYPERPLASIA, GLANDULAR,-MINIMAL
	UTERUS (UT) : -CYST(S); BILATERAL WITHIN WALLS: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 4 MM IN DIAMETER	UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-MODERATE
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93039 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/07/00 STUDY DAY OF DEATH: 719 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 587.2 GRAMS
DATE AND TIME OF NECROPSY: 04/07/00 7:24 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93040 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/07/00 STUDY DAY OF DEATH: 719 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 296.4 GRAMS
DATE AND TIME OF NECROPSY: 04/07/00 7:50 PROSECTOR: JAMES T. CALLEN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 76; 20 X 15MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-DILATATION, VENTRICULAR,-PRESENT
		-COMPRESSION, VENTRAL,-PRESENT
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) :
		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		-HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
		-MINERALIZATION, PELVIC,-SLIGHT
		-HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT
		THYROID (TY) :
		-HYPERPLASIA, C-CELL,-MODERATE
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 12 X 8 X 6 MM, DARK RED, TAN, AND FIRM	-B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) :	MAMMARY, FEMALE (MF) :
	-MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 28 X 23 X 14 MM, RED, TAN, LOBULATED, AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (AXILLARY) NORMAL (CAP 22)	-CYST / GALACTOCELE,-PRESENT
		-B-FIBROADENOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) :
		-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93040 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/07/00 STUDY DAY OF DEATH: 719 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 296.4 GRAMS
DATE AND TIME OF NECROPSY: 04/07/00 7:50 PROSECTOR: JAMES T. CALLEN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-BONE MARROW SMEAR TAKEN
-DISCHARGE-OCULAR; BILATERAL: DRY RED MATERIAL
-ANIMAL THIN

HISTOPATHOLOGY

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), LUNG (LU), PARATHYROID (PT), URINARY BLADDER (UB), LN, AXILLARY (AX)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93041 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/15/99 STUDY DAY OF DEATH: 575 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: 375.9 GRAMS
DATE AND TIME OF NECROPSY: 11/15/99 13:20 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>MASS(ES); AXILLARY REGION-LEFT; WEEK 73; 10 X 10MM; VERIFIED AT NECROPSY: NOT OBSERVED
>SKIN & PELAGE; RED HAIR COAT; LATERAL-THORACIC-LEFT; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; RED HAIR COAT; LATERA- RIGHT; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 82; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

PITUITARY (PI) :
-MASS(ES); 11 X 9 X 5 MM, DARK RED, RED AND SOFT

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MINIMAL
-HYPERPLASIA, BILE DUCT,-MINIMAL
KIDNEY (KD) :
-MINERALIZATION, PELVIC,-SEVERE
-HYPERPLASIA, TRANSITIONAL CELL,- MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MINIMAL
ADRENAL, CORTEX (AC) :
-ANGIECTASIS,-MODERATE
-HYPERTROPHY, CORTICAL CELL,-MINIMAL
-PIGMENT,-SLIGHT
HEART (HT) :
-CARDIOMYOPATHY,-MINIMAL
PITUITARY (PI) :
-B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93041 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/15/99 STUDY DAY OF DEATH: 575 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: 375.9 GRAMS
DATE AND TIME OF NECROPSY: 11/15/99 13:20 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 10 MM IN DIAMETER, TAN, BROWN, RED AND FIRM; SAME ON CUT SURFACE, COLLECTED INTACT; REGIONAL LN (AXILLARY) NORMAL (CAP 21)	MAMMARY, FEMALE (MF) : -M-CARCINOMA,-NEOPLASM PRESENT -CYST / GALACTOCELE,-PRESENT -HYPERPLASIA, GLANDULAR,-MINIMAL
	UTERUS (UT) : -LUMEN FILLED WITH FLUID; BILATERAL: CLEAR FLUID -CYST(S); BILATERAL, WITHIN WALLS: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 3 MM IN DIAMETER	UTERUS (UT) : -DILATATION,-SEVERE
		VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-SLIGHT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
		LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MINIMAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -STAINS - SKIN/HAIRCOAT; ENTIRE ABDOMINAL AND DORSAL THORACIC REGIONS: DRY RED MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93041 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/15/99 STUDY DAY OF DEATH: 575 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: 375.9 GRAMS
DATE AND TIME OF NECROPSY: 11/15/99 13:20 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93042 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/13/00 STUDY DAY OF DEATH: 665 STUDY WEEK OF DEATH: 95 TERMINAL BODY WEIGHT: 394.0 GRAMS
DATE AND TIME OF NECROPSY: 02/13/00 13:55 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>MASS(ES); INGUINAL REGION-LEFT; WEEK 79; 70 X 50MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); INGUINAL REGION-RIGHT; WEEK 79; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); AXILLARY REGION-LEFT; WEEK 82; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; SORE/SCAB; AXILLARY REGION-LEFT; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); DORSAL; WEEK 92; 30 X 30MM; VERIFIED AT NECROPSY: OBSERVED
>RESPIRATION; AUDIBLE; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

LIVER (LI) :
-CYST(S); VISCERAL SURFACE OF LEFT LATERAL LOBE: SINGLE CLEAR FLUID FILLED CYST, 1 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION

ADRENAL, CORTEX (AC) :
-RED FOCUS(I)/AREAS(I); RIGHT: TWO DARK RED AND SLIGHTLY RAISED AREAS, 3 X 2 X 1 MM

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
-I-CARCINOMA,-FROM PITUITARY
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL
-HYPERPLASIA, BILE DUCT,-MINIMAL
-FIBROSIS, PERIBILIARY,-SLIGHT
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-MINERALIZATION, PELVIC,-SLIGHT
SPLEEN (SP) :
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE
PANCREAS (PA) :
-ATROPHY, ACINAR,-MINIMAL
ADRENAL, CORTEX (AC) :
-ANGIECTASIS,-MODERATE
-PIGMENT,-SLIGHT
-B-ADENOMA,-NEOPLASM PRESENT
OVARY (OV) :
-CYST,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93042 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/13/00 STUDY DAY OF DEATH: 665 STUDY WEEK OF DEATH: 95 TERMINAL BODY WEIGHT: 394.0 GRAMS
DATE AND TIME OF NECROPSY: 02/13/00 13:55 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	OVARY (OV) : -CYST(S); BILATERAL: SINGLE CLEAR FLUID FILLED CYST ON EACH, EACH IS 3 MM IN DIAMETER	
		MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,-MODERATE
		MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-MODERATE
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE
		HEART (HT) : -CARDIOMYOPATHY,-SLIGHT
		THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 10 X 7 X 6 MM, DARK RED, DARK BROWN, TAN AND SOFT	PITUITARY (PI) : -M-CARCINOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 15 X 15 X 8 MM, DARK RED, TAN, LOBULATED AND FIRM; SAME ON CUT SURFACE (CAP 21); OVERLYING SKIN HAS A SINGLE TAN AND DRY CRUSTED AREA, 8 X 5 MM; COLLECTED INTACT WITH MASS; REGIONAL LN (AXILLARY) NORMAL (CAP 22)	MAMMARY, FEMALE (MF) : -M-CARCINOMA,- 5 NEOPLASMS PRESENT -CYST / GALACTOCELE,-PRESENT -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE -HYPERPLASIA, GLANDULAR,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93042 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/13/00 STUDY DAY OF DEATH: 665 STUDY WEEK OF DEATH: 95 TERMINAL BODY WEIGHT: 394.0 GRAMS
DATE AND TIME OF NECROPSY: 02/13/00 13:55 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -THICKENED; VENTRAL CERVICAL REGION: TAN AND FIRM (CAP 23) -MASS #2; LEFT PERINEAL REGION: SINGLE MASS, 70 X 45 X 25 MM, DARK RED, TAN AND FIRM; ON SECTION EXUDES A DARK RED FLUID (CAP 24); REGIONAL LN (SEE INGUINAL) -MASS #3; RIGHT INGUINAL REGION: SINGLE MASS, 25 X 25 X 15 MM, TAN, LOBULATED AND FIRM; SOME SECTIONS EXUDE A TAN AND CREAMY SEMI- FLUID (CAP 25); REGIONAL LN (SEE INGUINAL) -MASS #4; RIGHT INGUINAL REGION, CRANIAL TO MASS #3: SINGLE MASS, 17 X 14 X 9 MM, TAN AND FIRM; SAME ON CUT SURFACE (CAP 27); REGIONAL LN (SEE INGUINAL) -MASS #5; DORSAL THORACIC REGION: SINGLE MASS, 15 MM IN DIAMETER, DARK RED, BROWN AND FIRM; ON SECTION EXUDES A DARK BROWN FLUID (CAP 28); REGIONAL LN (AXILLARY) NORMAL (CAP 22)	
		UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-MINIMAL CERVIX (CV) : -EXUDATE, LUMINAL,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93042 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/13/00 STUDY DAY OF DEATH: 665 STUDY WEEK OF DEATH: 95 TERMINAL BODY WEIGHT: 394.0 GRAMS
DATE AND TIME OF NECROPSY: 02/13/00 13:55 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT -HYPERPLASIA, MUCINOUS,-SLIGHT CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,- MODERATELY SEVERE
	LN, INGUINAL (IN) : -LARGE; LEFT: UP TO 12 X 8 X 7 MM; RIGHT IS NORMAL (CAP 26) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	LN, INGUINAL (IN) : >UNREMARKABLE >NOTE:>MAMMARY NEOPLASM ALSO ON SLIDE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93042 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/13/00 STUDY DAY OF DEATH: 665 STUDY WEEK OF DEATH: 95 TERMINAL BODY WEIGHT: 394.0 GRAMS
DATE AND TIME OF NECROPSY: 02/13/00 13:55 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93043 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/21/00 STUDY DAY OF DEATH: 673 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 620.1 GRAMS
DATE AND TIME OF NECROPSY: 02/21/00 14:27 PROSECTOR: JODI THIEREN RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>MASS(ES); AXILLARY REGION-RIGHT; WEEK 68; 100 X 70MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); VENTRAL-CERVICAL-LEFT; WEEK 73; 20 X 20MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); VENTRAL-ABDOMINAL; WEEK 83; 40 X 35MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); VENTRAL-CERVICAL-RIGHT; WEEK 84; 50 X 55MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); AXILLARY REGION-LEFT; WEEK 95; 15 X 15MM; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; SORE/SCAB; AXILLARY REGION-LEFT; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)
LIVER (LI) :
-LARGE; ALL LOBES: MARGINS APPEAR ROUNDED
-RED FOCUS(I)/AREA(S); DIAPHRAGMATIC SURFACE OF RIGHT MEDIAN LOBE: SINGLE DARK RED AREA, 3 X 2 MM; COLLECTED ON ROUTINE SECTION

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL
-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL
-HYPERPLASIA, BILE DUCT,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-MINERALIZATION, PELVIC,-SLIGHT
SPLEEN (SP) :
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE
ADRENAL, CORTEX (AC) :
-VACUOLATION, FOCAL,-SLIGHT
-ANGIECTASIS,-MODERATE
-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL
-HYPERTROPHY, CORTICAL CELL,-MODERATELY SEVERE
-DEGENERATION, CYSTIC / HEMORRHAGIC,-MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93043 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/21/00 STUDY DAY OF DEATH: 673 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 620.1 GRAMS
DATE AND TIME OF NECROPSY: 02/21/00 14:27 PROSECTOR: JODI THIEREN RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, MEDULLA (MA) : -UNILATERALLY EXAMINED,-PRESENT
	LN, MESENTERIC (MS) : -DIFFUSELY DARK; DARK GREEN	LN, MESENTERIC (MS) : >UNREMARKABLE
	OVARY (OV) : -CYST(S); BILATERAL: SINGLE CLEAR FLUID FILLED CYST ON EACH, EACH IS 1 MM IN DIAMETER	OVARY (OV) : >UNREMARKABLE
		MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,-MODERATELY SEVERE
		MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-MODERATELY SEVERE
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL
		HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 8 X 6 X 5 MM, RED, DARK RED, TAN, LOBULATED, AND FIRM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		RECTUM (RE) : -PARASITISM,-PRESENT
		MAMMARY, FEMALE (MF) : -M-CARCINOMA,- 5 NEOPLASMS PRESENT -CYST / GALACTOCELE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93043 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/21/00 STUDY DAY OF DEATH: 673 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 620.1 GRAMS
DATE AND TIME OF NECROPSY: 02/21/00 14:27 PROSECTOR: JODI THIEREN RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT VENTRAL CERVICAL REGION: SINGLE MASS, 23 X 22 X 17 MM, RED, DARK RED, BROWN, TAN, LOBULATED, AND SOFT; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (MANDIBULAR) NORMAL (CAP 23) -THICKENED; ALL REGIONS DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION -MASS #2; RIGHT VENTRAL CERVICAL REGION: SINGLE MASS, 65 X 55 X 49 MM, RED, DARK RED, TAN, FIRM, VASCULAR, AND LOBULATED; ON CUT SURFACE EXUDES A BROWN FLUID; PORTION COLLECTED; REGIONAL LN (MANDIBULAR) NORMAL (CAP 23) -MASS #3; RIGHT AXILLARY REGION EXTENDING TO RIGHT INGUINAL REGION: SINGLE MASS, 120 X 75 X 70 MM, RED, TAN, FIRM, LOBULATED, AND VASCULAR; SAME ON CUT SURFACE; PORTION COLLECTED; REGIONAL LN (SEE AXILLARY) -MASS #4; LEFT AXILLARY REGION: SINGLE MASS, 20 X 15 X 11 MM, RED, TAN, AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (SEE AXILLARY); OVERLYING SKIN HAS A SINGLE DRY CRUSTED AREA, 4 X 3 MM ;COLLECTED INTACT WITH MASS	MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,-NEOPLASM PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT >NOTE:>MASS #3 IS THE FIBROADENOMA

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93043 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/21/00 STUDY DAY OF DEATH: 673 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 620.1 GRAMS
DATE AND TIME OF NECROPSY: 02/21/00 14:27 PROSECTOR: JODI THIEREN RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS #5; PERINEAL REGION: SINGLE MASS, 43 X 32 X 22 MM, TAN, FIRM, LOBULATED, AND VASCULAR; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (SEE INGUINAL)	
	UTERUS (UT) : -CYST(S); BILATERAL WITHIN WALLS: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 17 X 10 X 10 MM -MASS(ES); RIGHT HORN WITHIN WALL: SINGLE MASS, DARK RED AND SOFT, 8 X 5 X 5 MM, SAME ON CUT SURFACE; REGIONAL LN (SEE LUMBAR)	UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-SEVERE
		CERVIX (CV) : -HYPERPLASIA, MUCINOUS,-SLIGHT
		VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-SEVERE
		CAUSE OF DEATH (CD) : -NEOPLASM, MAMMARY GLAND,-PRESENT
	LN, AXILLARY (AX) : -LARGE; LEFT: 11 X 7 X 2 MM (RIGHT IS 7 X 4 X 1 MM) (CAP 24)	LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATELY SEVERE
	LN, INGUINAL (IN) : -LARGE; RIGHT: 14 X 10 X 10 MM (LEFT NOT IDENTIFIED) (CAP 33)	LN, INGUINAL (IN) : >TISSUE MISSING >NOTE:>TISSUE IS MAMMARY GLAND WITH CARCINOMA

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93043 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/21/00 STUDY DAY OF DEATH: 673 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 620.1 GRAMS
DATE AND TIME OF NECROPSY: 02/21/00 14:27 PROSECTOR: JODI THIEREN RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE
	LN, LUMBAR/ILIAC (LM) : -MOTTLED; BILATERAL: RED AND TAN (CAP 34)	LN, LUMBAR/ILIAC (LM) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE -HEMORRHAGE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93043 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/21/00 STUDY DAY OF DEATH: 673 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: 620.1 GRAMS
DATE AND TIME OF NECROPSY: 02/21/00 14:27 PROSECTOR: JODI THIEREN RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), SKIN (SK), URINARY BLADDER (UB), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93044 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/19/99 STUDY DAY OF DEATH: 456 STUDY WEEK OF DEATH: 66 TERMINAL BODY WEIGHT: 308.1 GRAMS
DATE AND TIME OF NECROPSY: 07/19/99 15:37 PROSECTOR: STEVE VAN ADESTINE RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
>SKIN & PELAGE; SORE/SCAB; HEAD-ENTIRE; VERIFIED AT NECROPSY: OBSERVED		SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED		ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT -PIGMENT,-MINIMAL
>BEHAVIOR; HYPOACTIVE; MODERATE; VERIFIED AT NECROPSY: NOT APPLICABLE		OVARY (OV) : -CYST,-PRESENT
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 12 X 8 X 7 MM, RED, DARK RED, GRAY, TAN, SOFT AND LOBULATED	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-MINIMAL -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
	SKIN (SK) : -CRUSTED AREA(S); DORSAL SURFACE OF MUZZLE: SINGLE DARK RED, DRY CRUSTED AREA, 3 X 2 MM (CAP 20)	SKIN (SK) : -ACANTHOSIS/HYPERKERATOSIS,-SLIGHT -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE -SUPERFICIAL CRUSTING,-MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93044 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/19/99 STUDY DAY OF DEATH: 456 STUDY WEEK OF DEATH: 66 TERMINAL BODY WEIGHT: 308.1 GRAMS
DATE AND TIME OF NECROPSY: 07/19/99 15:37 PROSECTOR: STEVE VAN ADESTINE RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION -CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE TAN CREAMY SEMIFLUID FILLED CYSTS, PINPOINT AND UP TO 5 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL UPPER INCISORS -DISCHARGE-OCULAR; BILATERAL: DARK RED, DRY, CRUSTED MATERIAL -ANIMAL THIN	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -HYPERPLASIA, GLANDULAR,-MODERATE -B-ADENOMA,-NEOPLASM PRESENT -INFLAMMATION, CHRONIC,-MODERATE CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93044 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/19/99 STUDY DAY OF DEATH: 456 STUDY WEEK OF DEATH: 66 TERMINAL BODY WEIGHT: 308.1 GRAMS
DATE AND TIME OF NECROPSY: 07/19/99 15:37 PROSECTOR: STEVE VAN ADESTINE RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), KIDNEY (KD), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93045 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 221.5 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 11:15 PROSECTOR: LYNN HORNER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LF KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	8.6925	3.9251 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LF OVARY (OV0)	--------	--------	--------	NOT TAKEN
RT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93045 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 221.5 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 11:15 PROSECTOR: LYNN HORNER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93046 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/25/99 STUDY DAY OF DEATH: 554 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: 500.4 GRAMS
DATE AND TIME OF NECROPSY: 10/25/99 13:59 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>MASS(ES); INGUINAL REGION-RIGHT; WEEK 58; 90 X 90MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); VENTRAL-CERVICAL-LEFT; WEEK 64; 30 X 25MM; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; SORE/SCAB; VENTRAL-CERVICAL-LEFT; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); INGUINAL REGION-LEFT; WEEK 73; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; PROLAPSED; VAGINA; VERIFIED AT NECROPSY: OBSERVED
>DISCHARGE; GENITAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED
>BEHAVIOR; COLD TO TOUCH; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-MODERATE
-MITOSIS, HEPATOCELLULAR, INCREASED,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-MINERALIZATION, PELVIC,-MINIMAL
SPLEEN (SP) :
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL
PITUITARY (PI) :
-HYPERPLASIA,-SLIGHT
MAMMARY, FEMALE (MF) :
-M-CARCINOMA,-NEOPLASM PRESENT
-B-FIBROADENOMA,- 3 NEOPLASMS PRESENT
-HYPERPLASIA, GLANDULAR,-SLIGHT
>NOTE:>MASS #1 CONTAINS BOTH FIBROADENOMA AND CARCINOMA

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93046 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/25/99 STUDY DAY OF DEATH: 554 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: 500.4 GRAMS
DATE AND TIME OF NECROPSY: 10/25/99 13:59 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT VENTRAL CERVICAL REGION: SINGLE MASS, 41 X 25 X 20 MM, RED, DARK RED, GREY, TAN, LOBULATED AND SOFT; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (MANDIBULAR) NORMAL (CAP 21); OVERLYING SKIN HAS A SINGLE DRY, BROWN CRUSTED AREA, 7 X 4 MM; COLLECTED WITH MASS -MASS #2; RIGHT INGUINAL REGION: SINGLE MASS, 100 X 80 X 36 MM, RED, GREY, TAN, LOBULATED, VASCULAR AND FIRM; SOME SECTIONS EXUDE A GREEN CASEOUS MATERIAL; COLLECTED INTACT; REGIONAL LN (INGUINAL) NOT IDENTIFIED -MASS #3; LEFT INGUINAL REGION: SINGLE MASS, 12 X 10 X 5 MM, RED, GREY, TAN AND FIRM; SAME ON CUT SURFACE (CAP 22); REGIONAL LN (INGUINAL) NOT IDENTIFIED	
	UTERUS (UT) : -THICKENED WALL; BILATERAL, DIFFUSE	UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-SLIGHT VAGINA (VA) : -B-POLYP, STROMAL,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93046 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/25/99 STUDY DAY OF DEATH: 554 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: 500.4 GRAMS
DATE AND TIME OF NECROPSY: 10/25/99 13:59 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	VAGINA (VA) : -MASS(ES); WITHIN LUMEN: SINGLE MASS, 32 X 12 X 12 MM, DARK RED, GELATINOUS AND SOFT; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (LUMBAR) NORMAL (CAP 23); POSSIBLY CONSISTENT WITH PROLAPSE (VAGINA) AS NOTED IN CLINICAL OBSERVATIONS	
		CAUSE OF DEATH (CD) : -NEOPLASM, MAMMARY GLAND,-PRESENT >NOTE:>THE FIBROADENOMA IS THE CAUSE OF DEATH LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MINIMAL LN, LUMBAR/ILIAC (LM) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -STAINS-PERINEUM/PERIANAL; PERINEUM REGION: DARK RED AND MOIST MATERIAL -GI TRACT-DARK FLUID CONTENT; STOMACH: BLACK SEMIFLUID MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93046 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/25/99 STUDY DAY OF DEATH: 554 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: 500.4 GRAMS
DATE AND TIME OF NECROPSY: 10/25/99 13:59 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93047 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/07/00 STUDY DAY OF DEATH: 719 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 864.4 GRAMS
DATE AND TIME OF NECROPSY: 04/07/00 7:52 PROSECTOR: MICHELE MARGGI RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; OBES; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LIVER (LI) : -LIGHT FOCUS(I)/AREA(S); DIAPHRAGMATIC SURFACE OF LEFT LATERAL LOBE: SINGLE TAN AREA, 4 X 3 MM; COLLECTED ON ROUTINE SECTION -RED FOCUS(I)/AREA(S); RIGHT MEDIAN LOBE: MULTIPLE DARK RED AREAS, UP TO 3 X 2 MM; COLLECTED ON ROUTINE SECTION	BRAIN (BR) : >UNREMARKABLE LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MODERATE -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-MINIMAL PANCREAS (PA) : -ATROPHY, ACINAR,-MODERATELY SEVERE -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93047 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/07/00 STUDY DAY OF DEATH: 719 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 864.4 GRAMS
DATE AND TIME OF NECROPSY: 04/07/00 7:52 PROSECTOR: MICHELE MARGGI RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 7 X 6 X 5 MM, DARK RED, GRAY, TAN AND SOFT STOMACH, GL (ST) : -LIGHT FOCUS(I)/AREA(S); MUCOSA: MULTIPLE TAN AREAS, UP TO 4 X 3 MM MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT ABDOMINAL REGION: SINGLE MASS, 30 X 25 X 15 MM, RED, TAN, VASCULAR AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (LUMBAR) NORMAL (CAP 22) -THICKENED; ALL REGIONS DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -ANIMAL OBESE	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT STOMACH, GL (ST) : -INFLAMMATION, ACUTE,-SLIGHT -EROSION,-MINIMAL MAMMARY, FEMALE (MF) : -M-CARCINOMA,-NEOPLASM PRESENT -HYPERPLASIA, GLANDULAR,-MODERATE CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT LN, LUMBAR/ILIAC (LM) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93047 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/07/00 STUDY DAY OF DEATH: 719 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 864.4 GRAMS
DATE AND TIME OF NECROPSY: 04/07/00 7:52 PROSECTOR: MICHELE MARGGI RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93048 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/07/00 STUDY DAY OF DEATH: 719 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 445.2 GRAMS
DATE AND TIME OF NECROPSY: 04/07/00 7:52 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL -FIBROSIS, PERIBILIARY,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL MAMMARY, FEMALE (MF) : -HYPERPLASIA, GLANDULAR,-MINIMAL
	CERVIX (CV) : -LARGE; 10 MM IN DIAMETER	CERVIX (CV) : -HYPERPLASIA, STROMAL,-MODERATELY SEVERE
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93048 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/07/00 STUDY DAY OF DEATH: 719 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: 445.2 GRAMS
DATE AND TIME OF NECROPSY: 04/07/00 7:52 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), LUNG (LU), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93049 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/16/99 STUDY DAY OF DEATH: 484 STUDY WEEK OF DEATH: 70 TERMINAL BODY WEIGHT: 295.5 GRAMS
DATE AND TIME OF NECROPSY: 08/16/99 14:20 PROSECTOR: TONY HANFELD RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>BEHAVIOR; RECUMBENT; LATERAL; VERIFIED AT NECROPSY: NOT APPLICABLE	KIDNEY (KD) :	KIDNEY (KD) :
>BEHAVIOR; ATAXIC; MODERATE; VERIFIED AT NECROPSY: NOT APPLICABLE	-CYST(S); LEFT, CORTICAL SURFACE: SINGLE CLEAR FLUID FILLED CYST, 2 MM IN DIAMETER	-CYST,-PRESENT
		SPLEEN (SP) :
		-PIGMENT, INCREASED,-MODERATE
		ADRENAL, CORTEX (AC) :
		-ANGIECTASIS,-SLIGHT
		-PIGMENT,-MINIMAL
		THYMUS (TH) :
		-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); SINGLE MASS, 8 X 8 X 5 MM, RED, DARK RED, TAN AND SOFT	-B-ADENOMA,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) :
		-CYST / GALACTOCELE,-PRESENT
		-HYPERPLASIA, GLANDULAR,-MINIMAL
		CAUSE OF DEATH (CD) :
		-NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) :	
	-BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93049 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 08/16/99 STUDY DAY OF DEATH: 484 STUDY WEEK OF DEATH: 70 TERMINAL BODY WEIGHT: 295.5 GRAMS
DATE AND TIME OF NECROPSY: 08/16/99 14:20 PROSECTOR: TONY HANFELD RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-DISCHARGE-OCULAR; BILATERAL: DRY AND
RED MATERIAL

HISTOPATHOLOGY

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LIVER (LI), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93050 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/02/00 STUDY DAY OF DEATH: 683 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: 440.6 GRAMS
DATE AND TIME OF NECROPSY: 03/02/00 14:25 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 76; 50 X 50MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); INGUINAL REGION-RIGHT; WEEK 79; 65 X 60MM; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; NONFORMED FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

LIVER (LI) :
-RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE RED AND DARK RED AREAS, UP TO 3 MM IN DIAMETER; COLLECTED WITH ROUTINE SECTIONS

HISTOPATHOLOGY

LIVER (LI) :
-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-SLIGHT
-HYPERPLASIA, BILE DUCT,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-MODERATE
-CYST, BILIARY,-PRESENT
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-MINERALIZATION, TUBULAR,-SLIGHT
-HYPERPLASIA, TRANSITIONAL CELL,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT
PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-MODERATELY SEVERE
ADRENAL, CORTEX (AC) :
-HYPERPLASIA, CORTICAL,-MODERATE
-PIGMENT,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93050 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/02/00 STUDY DAY OF DEATH: 683 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: 440.6 GRAMS
DATE AND TIME OF NECROPSY: 03/02/00 14:25 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SEVERE
	PITUITARY (PI) : -CYST(S); MULTIPLE CYSTS, UP TO 2 MM IN DIAMETER, FILLED WITH A DARK RED FLUID	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT INGUINAL REGION: SINGLE MASS, 35 X 45 X 55 MM, FIRM, RED, TAN AND LOBULATED; ON SECTION SOME AREAS CONTAIN A TAN SEMIFLUID; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED -MASS #2; RIGHT INGUINAL REGION, CAUDAL TO MASS 1, EXTENDS INTO PERIANAL REGION: SINGLE MASS, 45 X 55 X 70 MM, FIRM, RED, DARK RED, TAN AND LOBULATED; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -M-CARCINOMA,-NEOPLASM PRESENT -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT -HYPERPLASIA, GLANDULAR,-MODERATE >NOTE:>MASS #1 IS THE FIBROADENOMA
	CERVIX (CV) : -LARGE; 11 X 13 X 18 MM, FIRM AND WHITE	CERVIX (CV) : -HYPERPLASIA, STROMAL,-SEVERE
		CAUSE OF DEATH (CD) : -NEOPLASM, MAMMARY GLAND,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93050 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/02/00 STUDY DAY OF DEATH: 683 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: 440.6 GRAMS
DATE AND TIME OF NECROPSY: 03/02/00 14:25 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, LUMBAR/ILIAC (LM) : -DIFFUSELY RED; RIGHT: DARK RED (CAP 21) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY RED MATERIAL -ANIMAL THIN	LN, LUMBAR/ILIAC (LM) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE -HEMORRHAGE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93050 SEX: FEMALE DOSE GROUP: 3 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/02/00 STUDY DAY OF DEATH: 683 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: 440.6 GRAMS
DATE AND TIME OF NECROPSY: 03/02/00 14:25 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

COVANCE
THE DEVELOPMENT SERVICES COMPANY

Sponsor:

3M
St. Paul, Minnesota

FINAL REPORT

Study Title:

104-Week Dietary Chronic Toxicity and Carcinogenicity Study with Perfluorooctane Sulfonic Acid Potassium Salt (PFOS; T-6295) in Rats

Author:

Peter J. Thomford, PhD

Study Completion Date:

January 2, 2002

Testing Facility:

Covance Laboratories Inc.
3301 Kinsman Boulevard
Madison, Wisconsin 53704-2595

Laboratory Study Identification:

Covance 6329-183

Sponsor Study Identification:

3M T-6295

CONTENTS

VOLUME IX OF IX **Page**

APPENDIX 6 (Continued) 3455
Individual Anatomic Pathology Data 3456

APPENDIX 7 4004
Cell Proliferation Report 4005

APPENDIX 8 4029
Electron Microscopy Report 4030

APPENDIX 6 (Continued)

Individual Anatomic Pathology Data

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93051 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 239.6 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 13:14 PROSECTOR: STEVE VAN ADESTINE RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0353	.0147 %	.0164	WEIGHT TAKEN
RT ADRENAL (AD1)	.0352	.0147 %	.0163	WEIGHT TAKEN
BRAIN (BR)	2.1584	.9008 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.0982	.4583 %	.5088	WEIGHT TAKEN
RT KIDNEY (KD1)	1.1061	.4616 %	.5125	WEIGHT TAKEN
LIVER (LI)	7.8763	3.2873 %	3.6491	WEIGHT TAKEN
LUNG (LU)	1.4057	.5867 %	.6513	WEIGHT TAKEN
LF OVARY (OV0)	.0840	.0351 %	.0389	WEIGHT TAKEN
RT OVARY (OV1)	.0747	.0312 %	.0346	WEIGHT TAKEN
SPLEEN (SP)	.4849	.2024 %	.2247	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0101	.0042 %	.0047	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0106	.0044 %	.0049	WEIGHT TAKEN
UTERUS (UT)	1.4870	.6206 %	.6889	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MINIMAL
PANCREAS (PA) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
UTERUS (UT) :
>NOT REQUIRED TO BE EXAMINED FOR ANIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93051 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 239.6 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 13:14 PROSECTOR: STEVE VAN ADESTINE RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

UTERUS (UT) :
-LUMEN FILLED WITH FLUID; BILATERAL:
CLEAR FLUID

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93052 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/01/99 STUDY DAY OF DEATH: 500 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: 395.4 GRAMS
DATE AND TIME OF NECROPSY: 09/01/99 15:07 PROSECTOR: JERALD W. JOHNSON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE >EYES; RED DISCHARGE; EYE-LEFT; VERIFIED AT NECROPSY: OBSERVED >BEHAVIOR; COLD TO TOUCH; LIMBS-ALL; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MINIMAL KIDNEY (KD) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -MINERALIZATION, PELVIC,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT ADRENAL, CORTEX (AC) : -VACUOLATION, FOCAL,-MINIMAL -ANGIECTASIS,-SLIGHT -PIGMENT,-MINIMAL
	BONE, FEMUR (FE) : >NOTE:>TRIMMING COMMENT: MISSING AT TRIMMING MARROW, FEMUR (FM) : >NOTE:>TRIMMING COMMENT: MISSING AT TRIMMING PITUITARY (PI) : -MASS(ES); 12 X 9 X 7 MM, DARK RED, BROWN, LOBULATED, AND SOFT	BONE, FEMUR (FE) : >TISSUE MISSING MARROW, FEMUR (FM) : >TISSUE MISSING PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93052 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/01/99 STUDY DAY OF DEATH: 500 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: 395.4 GRAMS
DATE AND TIME OF NECROPSY: 09/01/99 15:07 PROSECTOR: JERALD W. JOHNSON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -HYPERPLASIA, GLANDULAR,-SLIGHT
		VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; LEFT: DARK RED, DRY MATERIAL -ANIMAL OBESE	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93052 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/01/99 STUDY DAY OF DEATH: 500 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: 395.4 GRAMS
DATE AND TIME OF NECROPSY: 09/01/99 15:07 PROSECTOR: JERALD W. JOHNSON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93053 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/22/99 STUDY DAY OF DEATH: 459 STUDY WEEK OF DEATH: 66 TERMINAL BODY WEIGHT: 334.9 GRAMS
DATE AND TIME OF NECROPSY: 07/22/99 14:37 PROSECTOR: LYNN HORNER RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-CERVICAL-LEFT; WEEK 42; 70 X 55MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-DILATATION, VENTRICULAR,-PRESENT
		-COMPRESSION, VENTRAL,-PRESENT
>APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) :
		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		-HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
		KIDNEY (KD) :
		-MINERALIZATION, PELVIC,-MINIMAL
		SPLEEN (SP) :
		-PIGMENT, INCREASED,-MODERATE
		ADRENAL, CORTEX (AC) :
		-HYPERPLASIA, CORTICAL,-MINIMAL
		MARROW, STERNUM (SE) :
		-HYPERPLASIA, MYELOID, MARROW,-SLIGHT
		THYROID (TY) :
		-HYPERPLASIA, C-CELL,-SLIGHT
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 10 X 8 X 5 MM, DARK RED, GRAY, AND SOFT	-B-ADENOMA,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) :
		-CYST / GALACTOCELE,-PRESENT
		-B-FIBROADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93053 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/22/99 STUDY DAY OF DEATH: 459 STUDY WEEK OF DEATH: 66 TERMINAL BODY WEIGHT: 334.9 GRAMS
DATE AND TIME OF NECROPSY: 07/22/99 14:37 PROSECTOR: LYNN HORNER RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 75 X 60 X 23 MM, RED, TAN, GRAY, VASCULAR, LOBULATED AND SOFT; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 20) -CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE, TAN, CREAMY SEMIFLUID FILLED CYSTS, UP TO 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION	CAUSE OF DEATH (CD) : -NEOPLASM, MAMMARY GLAND,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93053 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/22/99 STUDY DAY OF DEATH: 459 STUDY WEEK OF DEATH: 66 TERMINAL BODY WEIGHT: 334.9 GRAMS
DATE AND TIME OF NECROPSY: 07/22/99 14:37 PROSECTOR: LYNN HORNER RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93054 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/05/99 STUDY DAY OF DEATH: 504 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: 336.4 GRAMS
DATE AND TIME OF NECROPSY: 09/05/99 10:52 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); INGUINAL REGION-LEFT; WEEK 71; 30 X 20MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-SLIGHT -FIBROSIS, PERIBILIARY,-MINIMAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE		SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT
>APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE		ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC / HEMORRHAGIC,-MODERATE -PIGMENT,-MINIMAL
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		ADRENAL, MEDULLA (MA) : -UNILATERALLY EXAMINED,-PRESENT
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT
		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 12 X 8 X 7 MM, DARK RED AND FIRM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93054 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/05/99 STUDY DAY OF DEATH: 504 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: 336.4 GRAMS
DATE AND TIME OF NECROPSY: 09/05/99 10:52 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 30 X 20 X 15 MM, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY RED MATERIAL -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93054 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/05/99 STUDY DAY OF DEATH: 504 STUDY WEEK OF DEATH: 72 TERMINAL BODY WEIGHT: 336.4 GRAMS
DATE AND TIME OF NECROPSY: 09/05/99 10:52 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93055 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/04/99 STUDY DAY OF DEATH: 533 STUDY WEEK OF DEATH: 77 TERMINAL BODY WEIGHT: 508.0 GRAMS
DATE AND TIME OF NECROPSY: 10/04/99 15:17 PROSECTOR: LAURIE J. SCHULLER RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		EYE (EY) :
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: OBSERVED		-DYSTROPHY, CORNEAL IN EARLY STAGES, CONSISTS PRIMARILY OF FOCAL MINERALIZATION,-MINIMAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
		LIVER (LI) :
		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SEVERE
		KIDNEY (KD) :
		-MINERALIZATION, PELVIC,-MINIMAL
		SPLEEN (SP) :
		-PIGMENT, INCREASED,-MODERATE
	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
	-LARGE; LEFT: 6 X 5 X 5 MM, RIGHT IS 3 MM IN DIAMETER	-ANGIECTASIS,-MODERATELY SEVERE
	-RED FOCUS(I)/AREAS(I); LEFT: SINGLE DARK RED FOCUS, 2 MM IN DIAMETER	
		THYMUS (TH) :
		-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE
		THYROID (TY) :
		-B-ADENOMA, C-CELL,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93055 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/04/99 STUDY DAY OF DEATH: 533 STUDY WEEK OF DEATH: 77 TERMINAL BODY WEIGHT: 508.0 GRAMS
DATE AND TIME OF NECROPSY: 10/04/99 15:17 PROSECTOR: LAURIE J. SCHULLER RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 6 X 4 X 4 MM, RED, DARK RED, GRAY, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE WHITE CREAMY SEMIFLUID FILLED CYSTS, UP TO 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT
	UTERUS (UT) : -THICKENED WALL; BILATERAL, DIFFUSE -CYST(S); LEFT WITHIN WALL: SINGLE CLEAR FLUID FILLED CYST, 5 X 3 X 3 MM	UTERUS (UT) : -DILATATION,-MODERATE
	VAGINA (VA) : -SEMIFLUID MATERIAL; WITHIN LUMEN: TAN, CREAMY SEMIFLUID	VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -STAINS - SKIN/HAIRCOAT; HEAD: RED DRY MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93055 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/04/99 STUDY DAY OF DEATH: 533 STUDY WEEK OF DEATH: 77 TERMINAL BODY WEIGHT: 508.0 GRAMS
DATE AND TIME OF NECROPSY: 10/04/99 15:17 PROSECTOR: LAURIE J. SCHULLER RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93056 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/10/00 STUDY DAY OF DEATH: 691 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: 339.4 GRAMS
DATE AND TIME OF NECROPSY: 03/10/00 13:04 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); INGUINAL REGION-RIGHT; WEEK 95; 25 X 25MM; VERIFIED AT NECROPSY: OBSERVED >MASS(ES); VENTRAL-ABDOMINAL; WEEK 99; 20 X 20MM; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED >EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LIVER (LI) : -MASS(ES); RIGHT MEDIAN LOBE, NEAR HILUS: SINGLE MASS, 7 X 5 X 5 MM, TAN, BROWN, AND SOFT; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (HEPATIC) NOT IDENTIFIED OVARY (OV) : -CYST(S); RIGHT: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 2 MM IN DIAMETER	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL -B-CHOLANGIOMA,-NEOPLASM PRESENT KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-MINIMAL ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATELY SEVERE -PIGMENT,-MINIMAL OVARY (OV) : >UNREMARKABLE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93056 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/10/00 STUDY DAY OF DEATH: 691 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: 339.4 GRAMS
DATE AND TIME OF NECROPSY: 03/10/00 13:04 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	THYMUS (TH) : -MISSING/NOT IDENTIFIED; NOT IDENTIFIED, POSSIBLE REMNANTS COLLECTED	THYMUS (TH) : >SECTION EXAMINED; TISSUE NOT PRESENT
	PITUITARY (PI) : -MASS(ES); 10 X 9 X 8 MM, DARK RED, RED, TAN, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
	MAMMARY, FEMALE (MF) : -MASS(ES); MID PERIANAL REGION: SINGLE MASS, 30 X 25 X 15 MM, DARK RED, RED, TAN, BROWN, AND SOFT; SAME ON CUT SURFACE; COLLECTED; POSSIBLY CONSISTENT WITH MASS (VENTRAL ABDOMINAL) NOTED IN CLINICAL OBSERVATION; REGIONAL LN (INGUINAL) NOT IDENTIFIED -MASS #2; RIGHT INGUINAL REGION: SINGLE MASS, 35 X 25 X 20 MM, DARK RED, TAN, AND FIRM, CUT SURFACE EXUDES A DARK REDDISH-BROWN SEMIFLUID; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -M-CARCINOMA,- 2 NEOPLASMS PRESENT -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT -HYPERPLASIA, GLANDULAR,-MODERATE >NOTE:>FIBROADENOMA IS ON SLIDE #19 MASSES 1 AND 2 ARE CARCINOMAS
	UTERUS (UT) : -CYST(S); BILATERAL WITHIN WALLS: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 2 MM IN DIAMETER	UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93056 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/10/00 STUDY DAY OF DEATH: 691 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: 339.4 GRAMS
DATE AND TIME OF NECROPSY: 03/10/00 13:04 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CERVIX (CV) : -HYPERPLASIA, MUCINOUS,-SLIGHT VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-SEVERE CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93056 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/10/00 STUDY DAY OF DEATH: 691 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: 339.4 GRAMS
DATE AND TIME OF NECROPSY: 03/10/00 13:04 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93057 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/10/00 STUDY DAY OF DEATH: 691 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: 377.9 GRAMS
DATE AND TIME OF NECROPSY: 03/10/00 11:30 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 68; 75 X 60MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
		-HEMORRHAGE,-MODERATE
>MASS(ES); VENTRAL-ABDOMINAL; WEEK 97; 15 X 15MM; VERIFIED AT NECROPSY: OBSERVED		-I-CARCINOMA,-NEOPLASM PRESENT
		LIVER (LI) :
		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL
		-HYPERPLASIA, BILE DUCT,-MINIMAL
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		-FIBROSIS, PERIBILIARY,-MINIMAL
		KIDNEY (KD) :
		-MINERALIZATION, PELVIC,-MINIMAL
		SPLEEN (SP) :
		-PIGMENT, INCREASED,-MODERATELY SEVERE
	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
	-LARGE; LEFT: 6 X 6 X 3 MM (RIGHT IS 5 X 4 X 2 MM)	-HYPERTROPHY, CORTICAL CELL,-MODERATELY SEVERE
		-DEGENERATION, CYSTIC / HEMORRHAGIC,-MODERATELY SEVERE
		-PIGMENT,-MINIMAL
		THYMUS (TH) :
		-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93057 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/10/00 STUDY DAY OF DEATH: 691 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: 377.9 GRAMS
DATE AND TIME OF NECROPSY: 03/10/00 11:30 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

PITUITARY (PI) :
-MASS(ES); 10 X 7 X 5 MM, RED, DARK RED, TAN, AND SOFT

MAMMARY, FEMALE (MF) :
-MASS(ES); LEFT PERIANAL REGION: SINGLE MASS, 30 X 25 X 20 MM, RED, DARK RED, TAN, AND FIRM; CUT SURFACE EXUDES A DARK RED SEMIFLUID; COLLECTED; POSSIBLY CONSISTENT WITH MASS (VENTRAL ABDOMINAL) NOTED IN CLINICAL OBSERVATION; REGIONAL LN (INGUINAL) NOT IDENTIFIED
-MASS #2; RIGHT AXILLARY REGION: SINGLE MASS, 80 X 60 X 50 MM, TAN, RED, DARK RED, AND FIRM; SAME ON CUT SURFACE; PORTION COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 21)

UTERUS (UT) :
-MASS(ES); WITHIN LUMEN OF RIGHT DISTAL HORN: SINGLE MASS, 12 X 4 X 4 MM, TAN, RED, AND SOFT; COLLECTED INTACT; REGIONAL LN (LUMBAR) NORMAL (CAP 22)

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN

HISTOPATHOLOGY

PITUITARY (PI) :
-M-CARCINOMA,-NEOPLASM PRESENT

HARDERIAN GLAND (HG) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL

MAMMARY, FEMALE (MF) :
-M-CARCINOMA,-NEOPLASM PRESENT
-B-FIBROADENOMA,-NEOPLASM PRESENT
-HYPERPLASIA, GLANDULAR,-MINIMAL
>NOTE:>MASS #2 IS THE FIBROADENOMA

UTERUS (UT) :
-B-POLYP, ENDOMETRIAL, STROMAL,-NEOPLASM PRESENT

CAUSE OF DEATH (CD) :
-NEOPLASM, PITUITARY,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93057 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/10/00 STUDY DAY OF DEATH: 691 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: 377.9 GRAMS
DATE AND TIME OF NECROPSY: 03/10/00 11:30 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-ANIMAL THIN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX), LN, LUMBAR/ILIAC (LM)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93058 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 235.6 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 8:38 PROSECTOR: JODI THIEREN RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LF KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	7.6075	3.2293 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LF OVARY (OV0)	--------	--------	--------	NOT TAKEN
RT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93058 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 235.6 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 8:38 PROSECTOR: JODI THIEREN RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93059 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 579.6 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 9:40 PROSECTOR: TROY ELLENBECKER RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT -GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-SLIGHT -PIGMENT, HEPATOCELLULAR, CENTRILOBULAR,-MINIMAL -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MODERATE -HYPERPLASIA, BILE DUCT,-SLIGHT -FIBROSIS, PERIBILIARY,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,- MINIMAL -MINERALIZATION, PELVIC,-MINIMAL PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,- SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93059 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 579.6 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 9:40 PROSECTOR: TROY ELLENBECKER RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYROID (TY) : -HYPERPLASIA, C-CELL,-SLIGHT MAMMARY, FEMALE (MF) : -HYPERPLASIA, GLANDULAR,-SLIGHT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93059 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 579.6 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 9:40 PROSECTOR: TROY ELLENBECKER RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93060 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 473.1 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 8:10 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED >MASS(ES); AXILLARY REGION-LEFT; WEEK 93; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -LIGHT FOCUS(I)/AREA(S); AT BIFURCATION OF MEDIAN LOBES: SINGLE YELLOW AREA, 4 X 3 MM (CAP 22) ADRENAL, CORTEX (AC) : -LARGE; LEFT: 7 X 5 X 4 MM (RIGHT IS 5 X 4 X 3 MM)	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL -LIPIDOSIS, SUBCAPSULAR (TENSION LIPIDOSIS),-MODERATELY SEVERE KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-MINIMAL ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT -HYPERTROPHY, CORTICAL CELL,-SLIGHT -HYPERPLASIA, CORTICAL,-MINIMAL -PIGMENT,-MINIMAL ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT PITUITARY (PI) : -HYPERPLASIA,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93060 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 473.1 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 8:10 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); MID LEFT ASPECT: SINGLE DARK RED FOCUS, 2 MM IN DIAMETER	
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 18 X 12 X 7 MM, RED, DARK RED, TAN, AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 23)	MAMMARY, FEMALE (MF) : -HYPERPLASIA, GLANDULAR,-MINIMAL -B-ADENOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
		LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -MALOCCLUSION; BILATERAL, UPPER INCISORS	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93060 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 473.1 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 8:10 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), LUNG (LU), PARATHYROID (PT), URINARY BLADDER (UB)

PAGE: 1723

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93061 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/29/99 STUDY DAY OF DEATH: 558 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/29/99 8:08 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	>UNREMARKABLE
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED		LIVER (LI) :
		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE		-VACUOLATION, HEPATOCELLULAR,-SLIGHT
	KIDNEY (KD) :	KIDNEY (KD) :
	-CYST(S); RIGHT, INVOLVING ENTIRE ORGAN: SINGLE CLEAR FLUID FILLED CYST, 40 MM IN DIAMETER	-NEPHROPATHY, CHRONIC PROGRESSIVE,-SEVERE
	-ROUGH SURFACE, DIFFUSE; LEFT	-DEGENERATION, CYSTIC, UNILATERAL,-SEVERE
	-LARGE; LEFT: 28 X 17 X 17 MM (RIGHT SEE CYST COMMENT)	
		SPLEEN (SP) :
		-PIGMENT, INCREASED,-MINIMAL
		PANCREAS (PA) :
		-ZYMOGEN GRANULES, DECREASED,-MODERATE
	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
	-LARGE; RIGHT: 7 X 6 X 4 MM (LEFT IS 4 X 3 X 2 MM)	-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL
		-HYPERTROPHY, CORTICAL CELL,-MODERATE
		-DEGENERATION, CYSTIC / HEMORRHAGIC,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93061 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/29/99 STUDY DAY OF DEATH: 558 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/29/99 8:08 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, FEMUR (FM) : -HYPERPLASIA, ERYTHROID, MARROW,- MODERATELY SEVERE MARROW, STERNUM (SE) : -HYPERPLASIA, ERYTHROID, MARROW,- MODERATE THYMUS (TH) : >SECTION EXAMINED; TISSUE NOT PRESENT HEART (HT) : -CARDIOMYOPATHY,-MODERATE
	THYROID (TY) : -LARGE; BILATERAL: EACH IS 7 X 3 X 3 MM -DIFFUSELY LIGHT; BILATERAL: TAN	THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 8 MM IN DIAMETER, DARK RED, TAN, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		STOMACH, GL (ST) : -MINERALIZATION, GLANDULAR MUCOSA,- SLIGHT JEJUNUM (JE) : >AUTOLYTIC ILEUM (IL) : >AUTOLYTIC CECUM (CE) : >AUTOLYTIC COLON (CO) : >AUTOLYTIC

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93061 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/29/99 STUDY DAY OF DEATH: 558 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/29/99 8:08 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -THICKENED; LEFT AND RIGHT INGUINAL REGIONS: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT -B-ADENOMA,-NEOPLASM PRESENT >NOTE:>SEE SLIDE #24
	UTERUS (UT) : -CYST(S); RIGHT, WITHIN WALL: SINGLE CLEAR FLUID FILLED CYST, 5 MM IN DIAMETER	UTERUS (UT) : -DILATATION,-MODERATELY SEVERE
		CAUSE OF DEATH (CD) : -NEPHROPATHY,-PRESENT
	LN, AXILLARY (AX) : -LARGE; LEFT: 8 MM IN DIAMETER (RIGHT IS 3 X 2 X 1 MM) (CAP 24) -DIFFUSELY RED; BILATERAL: DARK RED	LN, AXILLARY (AX) : -HEMORRHAGE,-PRESENT -INFILTRATE, MACROPHAGE, PIGMENTED,-MODERATE
	LN, RENAL (RL) : -LARGE; BILATERAL: LEFT IS 9 X 4 X 4 MM, RIGHT IS 4 X 3 X 3 MM (CAP 23) -DIFFUSELY RED; LEFT: DARK RED (CAP 23)	LN, RENAL (RL) : -HEMORRHAGE,-PRESENT -INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT
	AORTA (AO) : -LARGE; DIFFUSE: UP TO 4 MM IN DIAMETER (CAP 21) -FIRM; DIFFUSE (CAP 21)	AORTA (AO) : -MINERALIZATION,-SLIGHT
	URETER (UE) : -LARGE; BILATERAL: UP TO 3 MM IN DIAMETER (CAP 22)	URETER (UE) : >UNREMARKABLE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93061 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/29/99 STUDY DAY OF DEATH: 558 STUDY WEEK OF DEATH: 80 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/29/99 8:08 PROSECTOR: JARED FISHEL RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -GI TRACT-DARK DRY CONTENT; STOMACH: FILLED WITH A BROWN CLOTH-LIKE MATERIAL	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, INGUINAL (IN), LN, OTHER (LN), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93062 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 401.4 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 10:51 PROSECTOR: DAVID SCHUETTE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : >UNREMARKABLE LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL -INFLAMMATION, SUPPURATIVE, PELVIC,-MINIMAL PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-SLIGHT
	OVARY (OV) : -CYST(S); LEFT: SINGLE CLEAR FLUID FILLED CYST, 3 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT
		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL
	THYROID (TY) : -LARGE; RIGHT: 5 X 4 X 3 MM (LEFT IS 4 X 2 X 2 MM)	THYROID (TY) : -HYPERPLASIA, C-CELL,-SLIGHT -M-CARCINOMA, FOLLICULAR CELL,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93062 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 401.4 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 10:51 PROSECTOR: DAVID SCHUETTE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 8 X 7 X 5 MM, DARK RED, TAN, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) : -HYPERPLASIA, GLANDULAR,-MINIMAL
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -MALOCCLUSION; BILATERAL UPPER INCISORS	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93062 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 401.4 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 10:51 PROSECTOR: DAVID SCHUETTE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93063 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 482.3 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 13:04 PROSECTOR: DAVID SCHUETTE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EYES; RED DISCHARGE; EYE-RIGHT; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 100; 40 X 30MM; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-I-CARCINOMA,-FROM PITUITARY
>MASS(ES); INGUINAL REGION-RIGHT; WEEK 101; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) :
>MASS(ES); VENTRAL-CERVICAL; WEEK 102; 35 X 35MM; VERIFIED AT NECROPSY: OBSERVED		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
>SKIN & PELAGE; SORE/SCAB; AXILLARY REGION-RIGHT; VERIFIED AT NECROPSY: OBSERVED		-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT
		-GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-SLIGHT
		-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MINIMAL
		-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-SLIGHT
		-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL
		-HYPERPLASIA, BILE DUCT,-SLIGHT
		-FIBROSIS, PERIBILIARY,-SLIGHT
		KIDNEY (KD) :
		-MINERALIZATION, PELVIC,-MINIMAL
		PANCREAS (PA) :
		-ZYMOGEN GRANULES, DECREASED,-SLIGHT
		THYROID (TY) :
		-HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 8 X 6 X 5 MM, DARK RED, TAN, AND SOFT	-M-CARCINOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93063 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 482.3 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 13:04 PROSECTOR: DAVID SCHUETTE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 50 X 40 X 30 MM, RED, TAN, AND FIRM; SAME ON CUT SURFACE; SKIN OVERLYING MASS HAS A MOIST DARK BROWN AND RED ULCERATED AREA, 25 X 15 MM; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 22) -MASS #2; RIGHT CERVICAL REGION: SINGLE MASS, 45 X 30 X 20 MM, TAN, LOBULATED, AND SOFT; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (MANDIBULAR) NORMAL (CAP 24) -MASS #3; RIGHT ABDOMINAL REGION: SINGLE MASS, 15 X 15 X 7 MM, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -M-CARCINOMA,-NEOPLASM PRESENT -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT -B-ADENOMA,-NEOPLASM PRESENT >NOTE:>MASS 1 IS A CARCINOMA MASS 2 IS A FIBROADENOMA
	UTERUS (UT) : -CYST(S); BILATERAL, WITHIN WALLS: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 5 MM IN DIAMETER	UTERUS (UT) : -DILATATION,-MODERATE
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT LN, AXILLARY (AX) : -HEMORRHAGE,-PRESENT -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE

PAGE: 1732

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93063 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 482.3 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 13:04 PROSECTOR: DAVID SCHUETTE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -DISCHARGE-OCULAR; RIGHT: DRY DARK RED MATERIAL	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93064 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 242.5 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 11:12 PROSECTOR: LAURIE J. SCHULLER RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0300	.0124 %	.0148	WEIGHT TAKEN
RT ADRENAL (AD1)	.0306	.0126 %	.0151	WEIGHT TAKEN
BRAIN (BR)	2.0301	.8372 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.2222	.5040 %	.6020	WEIGHT TAKEN
RT KIDNEY (KD1)	1.1563	.4768 %	.5696	WEIGHT TAKEN
LIVER (LI)	9.0107	3.7158 %	4.4385	WEIGHT TAKEN
LUNG (LU)	1.3975	.5763 %	.6884	WEIGHT TAKEN
LF OVARY (OV0)	.0856	.0353 %	.0422	WEIGHT TAKEN
RT OVARY (OV1)	.0768	.0317 %	.0378	WEIGHT TAKEN
SPLEEN (SP)	.4442	.1832 %	.2188	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0098	.0040 %	.0048	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0076	.0031 %	.0037	WEIGHT TAKEN
UTERUS (UT)	.6495	.2678 %	.3199	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

KIDNEY (KD) :
-LARGE PELVIS(ES); BILATERAL
-GRANULAR MATERIAL; BILATERAL:
MULTIPLE WHITE PINPOINT GRANULES

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-NECROSIS, INDIVIDUAL HEPATOCYTE,-
MINIMAL
KIDNEY (KD) :
-DILATATION, PELVIC,-SLIGHT
-MINERALIZATION, PELVIC,-MINIMAL

SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93064 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 242.5 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 11:12 PROSECTOR: LAURIE J. SCHULLER RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93065 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/24/00 STUDY DAY OF DEATH: 645 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 338.6 GRAMS
DATE AND TIME OF NECROPSY: 01/24/00 12:35 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 83; 15 X 15MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 86; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) :
		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
>MASS(ES); AXILLARY REGION-LEFT; WEEK 87; VERIFIED AT NECROPSY: OBSERVED		-MINERALIZATION, PELVIC,-SLIGHT
>RESPIRATION; AUDIBLE; VERIFIED AT NECROPSY: NOT APPLICABLE		SPLEEN (SP) :
		-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE
		PANCREAS (PA) :
		-INFILTRATE, LYMPHOHISTIOCYTIC,-SLIGHT
		-FIBROSIS,-SLIGHT
	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
	-RED FOCUS(I)/AREAS(I); LEFT: SINGLE DARK RED AREA, 4 X 3 MM	-ANGIECTASIS,-MINIMAL
		-PIGMENT,-SLIGHT
	OVARY (OV) :	OVARY (OV) :
	-CYST(S); LEFT: SINGLE CLEAR FLUID FILLED CYST, 5 MM IN DIAMETER	-CYST,-PRESENT
		MARROW, FEMUR (FM) :
		-HYPERPLASIA, MYELOID, MARROW,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93065 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/24/00 STUDY DAY OF DEATH: 645 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 338.6 GRAMS
DATE AND TIME OF NECROPSY: 01/24/00 12:35 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT -HYPERPLASIA, EPITHELIAL,-MODERATE
	LUNG (LU) : -LIGHT FOCUS(I)/AREA(S); ALONG MARGIN OF LEFT LOBE: SINGLE GREEN AREA, 5 X 4 MM	LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MODERATE -INFLAMMATION, GRANULOMATOUS,-SLIGHT -HYPERPLASIA, TYPE II PNEUMOCYTE,-SLIGHT >NOTE:>SOME GRANULOMAS CONTAIN FOREIGN MATERIAL
		HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
		THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 15 X 7 X 7 MM, DARK RED, TAN AND FIRM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE TAN CREAMY FLUID FILLED CYSTS, UP TO 20 X 15 X 4 MM; COLLECTED ON ROUTINE SECTION; POSSIBLY CONSISTENT WITH ALL MASSES NOTED IN CLINICAL OBSERVATIONS	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -HYPERPLASIA, GLANDULAR,-MODERATE
		VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93065 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/24/00 STUDY DAY OF DEATH: 645 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 338.6 GRAMS
DATE AND TIME OF NECROPSY: 01/24/00 12:35 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-NEOPLASM, PITUITARY,-PRESENT

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93066 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/24/00 STUDY DAY OF DEATH: 645 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 520.0 GRAMS
DATE AND TIME OF NECROPSY: 01/24/00 13:03 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 54; 110 X 110MM MASSES ON LEFT SIDE ARE MEASURED AS ONE MASS; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -DIFFUSELY LIGHT; ALL LOBES: TAN	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-SLIGHT -HYPERPLASIA, BILE DUCT,-MINIMAL -FIBROSIS, PERIBILIARY,-MINIMAL
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 70; 35 X 35MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, TUBULAR,-MINIMAL
>MASS(ES); AXILLARY REGION-LEFT; WEEK 84; 30 X 20MM; VERIFIED AT NECROPSY: OBSERVED		
>SKIN & PELAGE; SORE/SCAB; VENTRAL-ABDOMINAL-RIGHT; VERIFIED AT NECROPSY: OBSERVED	SPLEEN (SP) : -LARGE; 51 X 12 X 10 MM	SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SEVERE
		ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT -HYPERPLASIA, CORTICAL,-MINIMAL -PIGMENT,-MINIMAL
		MARROW, FEMUR (FM) : -HYPERPLASIA, ERYTHROID, MARROW,-MODERATE
		MARROW, STERNUM (SE) : -HYPERPLASIA, ERYTHROID, MARROW,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93066 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/24/00 STUDY DAY OF DEATH: 645 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 520.0 GRAMS
DATE AND TIME OF NECROPSY: 01/24/00 13:03 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT
	PITUITARY (PI) : -LARGE; 7 X 7 X 3 MM, APPEARS SWOLLEN -RED FOCUS(I)/AREA(S); ALL REGIONS, DIFFUSE: MULTIPLE RED AREAS, UP TO 3 X 2 MM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT INGUINAL REGION: SINGLE MASS, 40 X 30 X 25 MM, TAN, RED, GREEN, VASCULAR AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; OVERLYING SKIN HAS MULTIPLE RED MOIST ULCERATED AREAS, UP TO 11 MM IN DIAMETER; COLLECTED INTACT WITH MASS; REGIONAL LN (SEE INGUINAL); POSSIBLY CONSISTENT WITH MASS (VENTRAL ABDOMINAL RIGHT) NOTED IN CLINICAL OBSERVATIONS -MASS #2; LEFT INGUINAL REGION: MULTIPLE MASSES, UP TO 70 X 50 X 39 MM, ALL ARE TAN, VASCULAR AND FIRM; SAME ON CUT SURFACES; ALL COLLECTED INTACT; REGIONAL LN (SEE INGUINAL); POSSIBLY CONSISTENT WITH MASS (VENTRAL ABDOMINAL LEFT) NOTED IN CLINICAL OBSERVATIONS	MAMMARY, FEMALE (MF) : -M-CARCINOMA,-NEOPLASM PRESENT -CYST / GALACTOCELE,-PRESENT -INFLAMMATION, CHRONIC-ACTIVE,-SEVERE -B-FIBROADENOMA,-NEOPLASM PRESENT >NOTE:>MASS #1 IS THE CARCINOMA MASS #3 IS AN INFLAMED GALACTOCELE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93066 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/24/00 STUDY DAY OF DEATH: 645 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 520.0 GRAMS
DATE AND TIME OF NECROPSY: 01/24/00 13:03 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS #3; LEFT AXILLARY REGION: SINGLE MASS, 25 X 15 X 15 MM, RED, TAN, VASCULAR AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; OVERLYING SKIN HAS A SINGLE MOIST RED ULCERATED AREA, 3 MM IN DIAMETER; COLLECTED INTACT WITH MASS; REGIONAL LN (SEE AXILLARY)	
		CAUSE OF DEATH (CD) : -NEOPLASM, MAMMARY GLAND,-PRESENT
	LN, AXILLARY (AX) : -LARGE; BILATERAL: EACH IS 10 X 3 X 2 MM (CAP 22)	LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATELY SEVERE
	LN, INGUINAL (IN) : -LARGE; RIGHT: 10 X 5 X 2 MM (LEFT NOT IDENTIFIED) (CAP 21)	LN, INGUINAL (IN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATELY SEVERE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93066 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/24/00 STUDY DAY OF DEATH: 645 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 520.0 GRAMS
DATE AND TIME OF NECROPSY: 01/24/00 13:03 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93067 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 207.5 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 8:45 PROSECTOR: LYNN HORNER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LF KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	8.1068	3.9061 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LF OVARY (OV0)	--------	--------	--------	NOT TAKEN
RT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93067 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 207.5 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 8:45 PROSECTOR: LYNN HORNER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93068 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/06/00 STUDY DAY OF DEATH: 718 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/06/00 10:22 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; ALOPECIA; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE >APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) ADRENAL, CORTEX (AC) : -LARGE; LEFT: 9 X 5 X 5 MM (RIGHT IS 5 MM IN DIAMETER)	BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL -FIBROSIS, PERIBILIARY,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-SLIGHT -INFLAMMATION, SUPPURATIVE, PELVIC,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-MODERATE ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-MODERATELY SEVERE -DEGENERATION, CYSTIC / HEMORRHAGIC,-MODERATELY SEVERE -PIGMENT,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93068 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/06/00 STUDY DAY OF DEATH: 718 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/06/00 10:22 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL MUSCLE, SKELETAL (SM) : -ATROPHY,-MINIMAL NERVE, SCIATIC (SN) : -DEGENERATION,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 11 X 10 X 8 MM, DARK RED, GREY, LOBULATED AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL ILEUM (IL) : >AUTOLYTIC
	SKIN (SK) : -ALOPECIA-DIFFUSE; ENTIRE VENTRAL SURFACE; COLLECTED ON ROUTINE SECTION	SKIN (SK) : >UNREMARKABLE
		MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT CERVIX (CV) : -HYPERPLASIA, MUCINOUS,-SLIGHT VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93068 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/06/00 STUDY DAY OF DEATH: 718 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/06/00 10:22 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-MODERATELY SEVERE CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -MALOCCLUSION; BILATERAL, UPPER INCISORS	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93068 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/06/00 STUDY DAY OF DEATH: 718 STUDY WEEK OF DEATH: 103 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/06/00 10:22 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93069 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/21/00 STUDY DAY OF DEATH: 702 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: 698.6 GRAMS
DATE AND TIME OF NECROPSY: 03/21/00 14:51 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 86; 45 X 30MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>MASS(ES); AXILLARY REGION-LEFT; WEEK 87; 60 X 50MM; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	>UNREMARKABLE
>MASS(ES); VENTRAL-THORACIC-RIGHT; WEEK 92; 40 X 35MM; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) :	LIVER (LI) :
>MASS(ES); INGUINAL REGION-LEFT; WEEK 93; 50 X 50MM; VERIFIED AT NECROPSY: OBSERVED	-LARGE; ALL LOBES: MARGINS ROUNDED	-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL
	-MOTTLED; ALL LOBES: BROWN AND TAN	-VACUOLATION, HEPATOCELLULAR,-SEVERE
		KIDNEY (KD) :
		-MINERALIZATION, PELVIC,-MINIMAL
		-MINERALIZATION, TUBULAR,-MINIMAL
		-HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT
		-THROMBUS,-PRESENT
		SPLEEN (SP) :
		-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE
	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
	-LARGE; BILATERAL: LEFT IS 10 X 7 X 5 MM, RIGHT IS 7 X 5 X 5 MM	-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL
		-HYPERTROPHY, CORTICAL CELL,-SEVERE
	-MOTTLED; BILATERAL: RED, BROWN AND TAN	-DEGENERATION, CYSTIC / HEMORRHAGIC,-SEVERE
		ADRENAL, MEDULLA (MA) :
		-B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT
		THYMUS (TH) :
		>SECTION EXAMINED; TISSUE NOT PRESENT
		LUNG (LU) :
		-INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93069 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/21/00 STUDY DAY OF DEATH: 702 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: 698.6 GRAMS
DATE AND TIME OF NECROPSY: 03/21/00 14:51 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		HEART (HT) : -CARDIOMYOPATHY,-SLIGHT THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 8 X 5 X 3 MM; DARK RED, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 60 X 45 X 15 MM, RED, DARK RED, TAN AND FIRM; SAME ON CUT SURFACE; SOME SECTIONS EXUDES A TAN CREAMY SEMIFLUID (CAP 22); REGIONAL LN (RIGHT AXILLARY) NORMAL; LEFT NOT IDENTIFIED (CAP 21) -MASS #2; RIGHT AXILLARY REGION: SINGLE MASS, 65 X 39 X 15 MM, RED, DARK RED, TAN, FIRM AND LOBULATED; SAME ON CUT SURFACE (CAP 23); REGIONAL LN (RIGHT AXILLARY) NORMAL; LEFT NOT IDENTIFIED (CAP 21); CONSISTENT WITH MASSES (AXILLARY REGION RIGHT AND VENTRAL THORACIC RIGHT) NOTED IN CLINICAL OBSERVATIONS	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,- 3 NEOPLASMS PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93069 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/21/00 STUDY DAY OF DEATH: 702 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: 698.6 GRAMS
DATE AND TIME OF NECROPSY: 03/21/00 14:51 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS #3; LEFT INGUINAL REGION: SINGLE MASS, 55 X 45 X 30 MM, RED, DARK RED, TAN, FIRM AND LOBULATED; SAME ON CUT SURFACE (CAP 24); REGIONAL LN (INGUINAL) NOT IDENTIFIED	
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93069 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/21/00 STUDY DAY OF DEATH: 702 STUDY WEEK OF DEATH: 101 TERMINAL BODY WEIGHT: 698.6 GRAMS
DATE AND TIME OF NECROPSY: 03/21/00 14:51 PROSECTOR: JILL PAUS RECORDER: JILL PAUS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93070 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 212.8 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 9:21 PROSECTOR: JODI THIEREN RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LF KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	8.9068	4.1861 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LF OVARY (OV0)	--------	--------	--------	NOT TAKEN
RT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93070 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 212.8 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 9:21 PROSECTOR: JODI THIEREN RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93071 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 223.6 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 13:05 PROSECTOR: LAURIE J. SCHULLER RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0328	.0147 %	.0167	WEIGHT TAKEN
RT ADRENAL (AD1)	.0269	.0120 %	.0137	WEIGHT TAKEN
BRAIN (BR)	1.9629	.8779 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	.9138	.4087 %	.4655	WEIGHT TAKEN
RT KIDNEY (KD1)	.9168	.4100 %	.4671	WEIGHT TAKEN
LIVER (LI)	7.5052	3.3565 %	3.8235	WEIGHT TAKEN
LUNG (LU)	1.2561	.5618 %	.6399	WEIGHT TAKEN
LF OVARY (OV0)	.0551	.0246 %	.0281	WEIGHT TAKEN
RT OVARY (OV1)	.0550	.0246 %	.0280	WEIGHT TAKEN
SPLEEN (SP)	.4538	.2030 %	.2312	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0091	.0041 %	.0046	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0094	.0042 %	.0048	WEIGHT TAKEN
UTERUS (UT)	1.0898	.4874 %	.5552	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

ADRENAL, CORTEX (AC) :
>NOTE:>EMBEDDING COMMENT: ONE ADRENAL MISSING AT EMBEDDING
ADRENAL, MEDULLA (MA) :
>NOTE:>EMBEDDING COMMENT: ONE ADRENAL MISSING AT EMBEDDING

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MINIMAL
PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-MINIMAL
ADRENAL, CORTEX (AC) :
-UNILATERALLY EXAMINED,-PRESENT
ADRENAL, MEDULLA (MA) :
-UNILATERALLY EXAMINED,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93071 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 223.6 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 13:05 PROSECTOR: LAURIE J. SCHULLER RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	UTERUS (UT) : -LUMEN FILLED WITH FLUID; BILATERAL: CLEAR FLUID	UTERUS (UT) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), LN, MESENTERIC (MS), OVARY (OV)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93072 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 483.6 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 8:27 PROSECTOR: CHANESTA ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 87; 45 X 40MM; VERIFIED AT NECROPSY: OBSERVED >MASS(ES); INGUINAL REGION-LEFT; WEEK 103; 20 X 20MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LIVER (LI) : -LIGHT FOCUS(I)/AREA(S); MARGIN OF RIGHT MEDIAN LOBE: SINGLE TAN FOCUS, 3 X 5 MM; COLLECTED ON ROUTINE SECTION	BRAIN (BR) : -MINERALIZATION,-MINIMAL LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-MINIMAL -NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MODERATE -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-MINIMAL -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL -ANGIECTASIS,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-MINIMAL PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93072 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 483.6 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 8:27 PROSECTOR: CHANESTA ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	ADRENAL, CORTEX (AC) : -LARGE; RIGHT: 7 X 5 X 4 MM (LEFT IS 5 X 3 X 2 MM)	ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC / HEMORRHAGIC,- MINIMAL -PIGMENT,-MINIMAL
		LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,- MINIMAL -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 7 X 5 X 3 MM, DARK RED, TAN, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 53 X 45 X 26, RED, TAN, FIRM, AND LOBULATED; SOME SECTIONS EXUDE A GREEN CREAMY SEMIFLUID; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 23) -THICKENED; ALL REGIONS DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION -MASS #2; LEFT INGUINAL REGION: SINGLE MASS, 36 X 30 X 15 MM, RED, TAN, AND SOFT; SAME ON CUT SURFACE; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT
		UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,- SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93072 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 483.6 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 8:27 PROSECTOR: CHANESTA ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	UTERUS (UT) : -CYST(S); RIGHT HORN, WITHIN WALL: SINGLE CLEAR FLUID FILLED CYST, 5 X 4 X 3 MM	
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: DARK RED (CAP 22)	LN, MANDIBULAR (MN) : -HEMORRHAGE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93072 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 483.6 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 8:27 PROSECTOR: CHANESTA ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
ADRENAL, MEDULLA (MA), PARATHYROID (PT), URINARY BLADDER (UB), LN, AXILLARY (AX)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93073 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 09/23/99 STUDY DAY OF DEATH: 522 STUDY WEEK OF DEATH: 75 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 09/23/99 13:53 PROSECTOR: MICHELE MARGGI RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; THIN; VERIFIED AT
NECROPSY: OBSERVED
>APPEARANCE; HEAD TILT; RIGHT; VERIFIED
AT NECROPSY: NOT APPLICABLE
>APPEARANCE; HUNCHED; VERIFIED AT
NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT
NECROPSY: NOT APPLICABLE
>RESPIRATION; AUDIBLE; VERIFIED AT
NECROPSY: NOT APPLICABLE

NECROPSY

HISTOPATHOLOGY

BRAIN (BR) :
-M-ASTROCYTOMA,-NEOPLASM PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-NECROSIS, INDIVIDUAL HEPATOCYTE,-
MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-
MINIMAL
-MINERALIZATION, TUBULAR,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
ADRENAL, CORTEX (AC) :
-CONGESTION,-PRESENT
-HYPERTROPHY, CORTICAL CELL,-MINIMAL
-PIGMENT,-MINIMAL
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY
COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-
MINIMAL
LUNG (LU) :
-CONGESTION,-PRESENT
-MINERALIZATION, VASCULAR,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93073 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 09/23/99 STUDY DAY OF DEATH: 522 STUDY WEEK OF DEATH: 75 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 09/23/99 13:53 PROSECTOR: MICHELE MARGGI RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	UTERUS (UT) : -MASS(ES); WITHIN LUMEN OF LEFT HORN: SINGLE MASS, 10 X 5 X 5 MM, RED, DARK RED AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (LUMBAR) NORMAL (CAP 21)	UTERUS (UT) : -B-POLYP, ENDOMETRIAL, STROMAL,-NEOPLASM PRESENT VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT CAUSE OF DEATH (CD) : -NEOPLASM, BRAIN,-PRESENT HEAD, CORONAL (HC) : -INFLAMMATION, ACUTE, EAR,-MINIMAL
	GENERAL COMMENT (GC) : -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93073 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 09/23/99 STUDY DAY OF DEATH: 522 STUDY WEEK OF DEATH: 75 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 09/23/99 13:53 PROSECTOR: MICHELE MARGGI RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), HEMATO NEOPLASIA (HN), LN, LUMBAR/ILIAC (LM)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93074 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/15/99 STUDY DAY OF DEATH: 575 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: 423.7 GRAMS
DATE AND TIME OF NECROPSY: 11/15/99 13:46 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE >BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE >EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE >BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MODERATE -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-SLIGHT KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE PANCREAS (PA) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
	ADRENAL, CORTEX (AC) : -LARGE; RIGHT: 6 X 5 X 5 MM (LEFT IS 4 X 2 X 2 MM)	ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC / HEMORRHAGIC,-MODERATE -PIGMENT,-SLIGHT -B-ADENOMA,-NEOPLASM PRESENT THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93074 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/15/99 STUDY DAY OF DEATH: 575 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: 423.7 GRAMS
DATE AND TIME OF NECROPSY: 11/15/99 13:46 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 15 X 7 X 5 MM, RED, DARK RED, TAN AND FIRM -RED FOCUS(I)/AREA(S); ALL REGIONS, DIFFUSE: MULTIPLE DARK RED AREAS, UP TO 1 MM IN DIAMETER	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		STOMACH, GL (ST) : -EDEMA,-MODERATE -INFLAMMATION, ACUTE,-SLIGHT
	STOMACH, NONGL (SU) : -LIGHT FOCUS(I)/AREA(S); MUCOSA: MULTIPLE TAN SLIGHTLY RAISED AREAS, UP TO 3 X 2 MM	STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-MODERATE -EDEMA,-PRESENT -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
		MAMMARY, FEMALE (MF) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL
	VAGINA (VA) : -SEMIFLUID MATERIAL; WITHIN LUMEN: LIGHT GREEN MUCOIDAL MATERIAL	VAGINA (VA) : -INFLAMMATION, CHRONIC,-SLIGHT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93074 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/15/99 STUDY DAY OF DEATH: 575 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: 423.7 GRAMS
DATE AND TIME OF NECROPSY: 11/15/99 13:46 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93075 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 189.8 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 10:46 PROSECTOR: LYNN HORNER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LF KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	6.6760	3.5171 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LF OVARY (OV0)	--------	--------	--------	NOT TAKEN
RT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93075 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 189.8 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 10:46 PROSECTOR: LYNN HORNER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93076 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/01/00 STUDY DAY OF DEATH: 653 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 566.8 GRAMS
DATE AND TIME OF NECROPSY: 02/01/00 13:33 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: NOT OBSERVED
>APPEARANCE; MISSING; TEETH; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); LIMB-HIND-LEFT; WEEK 59; 120 X 125MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 84; 50 X 50MM; VERIFIED AT NECROPSY: OBSERVED
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

LIVER (LI) :
-RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 3 X 2 MM; SOME ARE SUNKEN WITH A STELLATE PATTERN; COLLECTED ON ROUTINE SECTIONS

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MINIMAL
-NECROSIS, COAGULATIVE,-MINIMAL
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
KIDNEY (KD) :
-MINERALIZATION, PELVIC,-MODERATE
SPLEEN (SP) :
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT
ADRENAL, CORTEX (AC) :
-PIGMENT,-MINIMAL
LN, MESENTERIC (MS) :
-HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT
MARROW, FEMUR (FM) :
-HYPERPLASIA, MYELOID, MARROW,-MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93076 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/01/00 STUDY DAY OF DEATH: 653 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 566.8 GRAMS
DATE AND TIME OF NECROPSY: 02/01/00 13:33 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,- MODERATELY SEVERE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),- SLIGHT LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 10 X 6 X 6 MM, RED, DARK RED, TAN AND FIRM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		SKIN (SK) : -B-LIPOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 130 X 100 X 40 MM, TAN, LOBULATED AND SOFT; ON SECTION EXUDES A TAN CREAMY SEMIFLUID; COLLECTED INTACT; REGIONAL LN (AXILLARY) NORMAL (CAP 21) -MASS #2; RIGHT AXILLARY REGION: SINGLE MASS, 70 X 50 X 30 MM, TAN, RED, LOBULATED, VASCULAR AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (AXILLARY) NORMAL (CAP 21)	MAMMARY, FEMALE (MF) : -M-CARCINOMA,-NEOPLASM PRESENT >NOTE:>FOR DIAGNOSIS OF MASS #1, SEE SKIN

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93076 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/01/00 STUDY DAY OF DEATH: 653 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 566.8 GRAMS
DATE AND TIME OF NECROPSY: 02/01/00 13:33 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-SLIGHT VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-MODERATE CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -TEETH MISSING/BROKEN/WORN; MISSING, BILATERAL LOWER INCISORS -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93076 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/01/00 STUDY DAY OF DEATH: 653 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 566.8 GRAMS
DATE AND TIME OF NECROPSY: 02/01/00 13:33 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93077 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 581.9 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 10:21 PROSECTOR: JAMES T. CALLEN RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); TAIL-PROXIMAL; WEEK 97; 25 X 15MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>MASS(ES); AXILLARY REGION-LEFT; WEEK 101; 30 X 30MM; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>SKIN & PELAGE; SORE/SCAB; TAIL-PROXIMAL; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) :	LIVER (LI) :
	-MOTTLED; ALL LOBES: RED AND TAN	-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
	-ROUGH SURFACE, DIFFUSE; ALL LOBES	-GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-MINIMAL
		-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MODERATE
		-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL
		-HYPERPLASIA, BILE DUCT,-MINIMAL
		-FIBROSIS, PERIBILIARY,-MINIMAL
		-HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-MODERATE
		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
		-MINERALIZATION, PELVIC,-MODERATE
	SPLEEN (SP) :	SPLEEN (SP) :
	-LARGE; 57 X 16 X 11 MM	-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT
		-HYPERPLASIA, LYMPHORETICULAR,-SEVERE
		PANCREAS (PA) :
		-INFILTRATION, FAT, INTERSTITIAL,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93077 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 581.9 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 10:21 PROSECTOR: JAMES T. CALLEN RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	ADRENAL, CORTEX (AC) : -LARGE; LEFT: 12 X 10 X 9 MM (RIGHT IS 5 X 3 X 3 MM)	ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC / HEMORRHAGIC,-SEVERE -PIGMENT,-SLIGHT -B-ADENOMA,-NEOPLASM PRESENT ADRENAL, MEDULLA (MA) : -UNILATERALLY EXAMINED,-PRESENT
	OVARY (OV) : -CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 3 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT
		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL
	THYROID (TY) : -LARGE; RIGHT: 6 X 5 X 4 MM (LEFT IS 5 X 2 X 2 MM)	THYROID (TY) : -B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 8 X 6 X 4 MM, DARK RED, TAN, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 39 X 27 X 14 MM, TAN, RED, AND SOFT; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (AXILLARY) NORMAL (CAP 22)	MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,-NEOPLASM PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT
	UTERUS (UT) : -CYST(S); WITHIN WALLS OF LEFT HORN: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 3 MM IN DIAMETER	UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93077 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 581.9 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 10:21 PROSECTOR: JAMES T. CALLEN RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	CERVIX (CV) : -CYST(S); WITHIN LUMEN: SINGLE RED FLUID FILLED CYST, 5 MM IN DIAMETER	CERVIX (CV) : -HYPERPLASIA, CYSTIC,-MODERATE CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATELY SEVERE -INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT
	TAIL (TI) : -MASS(ES); 25 MM FROM BASE: 15 MM IN DIAMETER, RED, TAN, AND SOFT; ON SECTION EXUDES A DARK RED FLUID; COLLECTED; REGIONAL LN (SEE LUMBAR); OVERLYING SKIN HAS A DARK RED MOIST ABRADED AREA, 5 MM IN DIAMETER; COLLECTED INTACT WITH MASS	TAIL (TI) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE -M-LIPOSARCOMA,-NEOPLASM PRESENT
	LN, LUMBAR/ILIAC (LM) : -MOTTLED; BILATERAL: RED AND TAN (CAP 25)	LN, LUMBAR/ILIAC (LM) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATELY SEVERE -INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93077 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 581.9 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 10:21 PROSECTOR: JAMES T. CALLEN RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93078 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 597.4 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 12:58 PROSECTOR: JERALD W. JOHNSON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 89; 70 X 65MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 94; 40 X 40MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) :
		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
>MASS(ES); AXILLARY REGION-LEFT; WEEK 104; VERIFIED AT NECROPSY: NOT OBSERVED		-HYPERPLASIA, BILE DUCT,-MINIMAL
	KIDNEY (KD) :	KIDNEY (KD) :
	-DIFFUSELY DARK; BILATERAL: DARK BROWN	-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
		-MINERALIZATION, PELVIC,-MINIMAL
		PANCREAS (PA) :
		-INFILTRATION, FAT, INTERSTITIAL,-MINIMAL
	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
	-DIFFUSELY RED; BILATERAL: DARK RED	-HYPERTROPHY, CORTICAL CELL,-SEVERE
		-DEGENERATION, CYSTIC / HEMORRHAGIC,-SEVERE
		ADRENAL, MEDULLA (MA) :
		-UNILATERALLY EXAMINED,-PRESENT
	OVARY (OV) :	OVARY (OV) :
	-CYST(S); BILATERAL: SINGLE CLEAR FLUID FILLED CYST ON EACH, LEFT IS 3 MM IN DIAMETER, RIGHT IS 2 MM IN DIAMETER	-CYST,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93078 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 597.4 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 12:58 PROSECTOR: JERALD W. JOHNSON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 7 MM IN DIAMETER, DARK RED AND SOFT MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AND RIGHT INGUINAL REGIONS: TWO MASSES, LEFT INGUINAL IS 50 X 46 X 30 MM, RIGHT INGUINAL IS 80 X 55 X 30 MM, BOTH ARE RED, TAN, SOFT AND LOBULATED; BOTH ARE SAME ON CUT SURFACE; BOTH ON SECTION EXUDE A TAN CREAMY SEMIFLUID; RIGHT INGUINAL COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93078 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 597.4 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 12:58 PROSECTOR: JERALD W. JOHNSON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), THYROID (TY), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93079 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 577.0 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 8:30 PROSECTOR: JODI THIEREN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 69; 70 X 80MM; VERIFIED AT NECROPSY: OBSERVED >MASS(ES); AXILLARY REGION-LEFT; WEEK 101; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -LARGE; ALL LOBES: MARGINS APPEAR ROUNDED	LIVER (LI) : -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MODERATE -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MODERATE -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MODERATELY SEVERE -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-MODERATELY SEVERE THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 90 X 75 X 40 MM, RED, TAN, LOBULATED, FIRM AND VASCULAR; SAME ON CUT SURFACE; PORTION COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 22) -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT -HYPERPLASIA, GLANDULAR,-SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93079 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 577.0 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 8:30 PROSECTOR: JODI THIEREN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS #2; LEFT AXILLARY REGION: SINGLE MASS, 20 X 17 X 15 MM, TAN AND FIRM; SAME ON CUT SURFACE; REGIONAL LN (AXILLARY) NORMAL (CAP 22)	
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93079 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 577.0 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 8:30 PROSECTOR: JODI THIEREN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), LUNG (LU), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93080 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 510.7 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 7:49 PROSECTOR: JAMES T. CALLEN RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-MINIMAL KIDNEY (KD) : -MINERALIZATION, PELVIC,-SLIGHT PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-MINIMAL
	OVARY (OV) : -CYST(S); LEFT: SINGLE CLEAR FLUID FILLED CYST, 5 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT
	PITUITARY (PI) : -MASS(ES); 7 X 5 X 4 MM, DARK RED, TAN, AND FIRM	LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL PITUITARY (PI) : -HYPERPLASIA,-MODERATE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93080 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 510.7 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 7:49 PROSECTOR: JAMES T. CALLEN RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
THYROID (TY), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93081 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 453.5 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 11:00 PROSECTOR: TROY ELLENBECKER RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -LIGHT FOCUS(I)/AREA(S); AT JUNCTION OF RIGHT AND LEFT MEDIAN LOBES: SINGLE TAN AREA, 5 X 2 MM (CAP 22) -MASS(ES); LEFT LATERAL LOBE: SINGLE MASS, 20 X 15 X 11 MM, RED, DARK RED, BROWN AND SOFT; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (HEPATIC) NOT IDENTIFIED -RED FOCUS(I)/AREA(S); RIGHT MEDIAN LOBE: SINGLE DARK RED AREA, 2 X 1 MM; COLLECTED ON ROUTINE SECTION	LIVER (LI) : -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MODERATE -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-SLIGHT -B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT -LIPIDOSIS, SUBCAPSULAR (TENSION LIPIDOSIS),-MODERATE KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-MINIMAL
	LUNG (LU) : -LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN AREAS, UP TO 3 X 2 MM MUSCLE, SKELETAL (SM) : -ATROPHY-FOCAL; CRANIAL ONE HALF: 10 X 4 X 2 MM	LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MODERATE MUSCLE, SKELETAL (SM) : >UNREMARKABLE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93081 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 453.5 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 11:00 PROSECTOR: TROY ELLENBECKER RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MAMMARY, FEMALE (MF) : -HYPERPLASIA, GLANDULAR,-SLIGHT
	UTERUS (UT) : -MASS(ES); WITHIN LUMEN OF LEFT HORN: SINGLE MASS, 20 X 7 X 4 MM, RED, DARK RED AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (LUMBAR) NORMAL (CAP 24)	UTERUS (UT) : -DILATATION,-MODERATELY SEVERE -HEMORRHAGE,-PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93081 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 453.5 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 11:00 PROSECTOR: TROY ELLENBECKER RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
THYROID (TY), PARATHYROID (PT), URINARY BLADDER (UB), LN, LUMBAR/ILIAC (LM)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93082 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 02/25/00 STUDY DAY OF DEATH: 677 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 02/25/00 9:46 PROSECTOR: NANCY DIEDRICH RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EYES; PALE; EYES; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) :	BRAIN (BR) :
>SKIN & PELAGE; YELLOW SKIN; PAWS-ALL; VERIFIED AT NECROPSY: OBSERVED	-RED FOCUS(I)/AREA(S); DORSAL SURFACE OF BOTH CEREBRAL HEMISPHERES: MULTIPLE DARK RED PINPOINT FOCI	>UNREMARKABLE
>SKIN & PELAGE; YELLOW SKIN; TAIL; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) :	LIVER (LI) :
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED	-LARGE; ALL LOBES: MARGINS ROUNDED, LOBES THICKENED	-X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	-MOTTLED; ALL LOBES: RED AND TAN	-HEMORRHAGE,-PRESENT
	-LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN SLIGHTLY RAISED AREAS, UP TO 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	-CYST, BILIARY,-PRESENT
	-ROUGH SURFACE, DIFFUSE; ALL LOBES	
	-CYST(S); ALL LOBES: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 5 MM IN DIAMETER (CAP 22)	
	KIDNEY (KD) :	KIDNEY (KD) :
	-DIFFUSELY DARK; BILATERAL: DARK BROWN	-MINERALIZATION, PELVIC,-SLIGHT
		-PIGMENT, TUBULAR,-SEVERE
	SPLEEN (SP) :	SPLEEN (SP) :
	-LARGE; 65 X 20 X 10 MM	-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE
	-ADHESION(S); BOTH SURFACES OF CAUDAL END: MULTIPLE TAN FIBROUS ADHESIONS; COLLECTED INTACT	-X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93082 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 02/25/00 STUDY DAY OF DEATH: 677 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 02/25/00 9:46 PROSECTOR: NANCY DIEDRICH RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PANCREAS (PA) : -ATROPHY, ACINAR,-MINIMAL
		ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT -PIGMENT,-MINIMAL
	LN, MESENTERIC (MS) : -LARGE; UP TO 8 MM IN DIAMETER -DIFFUSELY RED	LN, MESENTERIC (MS) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
	OVARY (OV) : -CYST(S); LEFT: SINGLE CLEAR FLUID FILLED CYST, 2 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT
		THYMUS (TH) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
	LUNG (LU) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 5 X 4 MM	LUNG (LU) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT -MINERALIZATION, VASCULAR,-MINIMAL -HEMORRHAGE,-PRESENT -INFILTRATE, MACROPHAGE, PIGMENTED,-MODERATE
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); RIGHT POSTERIOR ASPECT: TWO DARK RED FOCI, ONE IS 2 MM IN DIAMETER, THE OTHER IS 1 MM IN DIAMETER	PITUITARY (PI) : -HYPERPLASIA,-MINIMAL
		STOMACH, GL (ST) : -EROSION,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93082 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 02/25/00 STUDY DAY OF DEATH: 677 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 02/25/00 9:46 PROSECTOR: NANCY DIEDRICH RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN AREAS, UP TO 4 X 2 MM	
	ILEUM (IL) : -DIVERTICULUM(A); SINGLE DIVERTICULUM, 8 X 5 X 3 MM (CAP 24)	ILEUM (IL) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
		CECUM (CE) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
		COLON (CO) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) : -HYPERPLASIA, GLANDULAR,-MINIMAL
		CERVIX (CV) : -HYPERPLASIA, MUCINOUS,-SLIGHT
		VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-SLIGHT
		HEMATO NEOPLASIA (HN) : -M-SARCOMA, HISTIOCYTIC,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -NEOPLASM, HEMATOPOIETIC,-PRESENT
	LN, MEDIASTINAL (ML) : -DIFFUSELY RED; DARK RED (CAP 21)	LN, MEDIASTINAL (ML) : -HEMORRHAGE,-PRESENT
	LN, LUMBAR/ILIAC (LM) : -LARGE; BILATERAL: EACH IS UP TO 8 X 5 X 3 MM (CAP 23)	LN, LUMBAR/ILIAC (LM) : -HEMORRHAGE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93082 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 02/25/00 STUDY DAY OF DEATH: 677 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 02/25/00 9:46 PROSECTOR: NANCY DIEDRICH RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, LUMBAR/ILIAC (LM) : -DIFFUSELY RED; BILATERAL: DARK RED (CAP 23)	
	LN, ILEOCECAL (IC) : -LARGE; 8 X 5 X 3 MM (CAP 25) -DIFFUSELY RED; (CAP 25)	LN, ILEOCECAL (IC) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
	GENERAL COMMENT (GC) : -STAINS-PERINEUM/PERIANAL; YELLOW MOIST MATERIAL -STAINS - SKIN/HAIRCOAT; VENTRAL ABDOMINAL AND THORACIC REGIONS: YELLOW AND DRY MATERIAL -YELLOWISH MUCOUS MEMBRANES; ALL AREAS, INCLUDING EXTREMITIES	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93082 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 02/25/00 STUDY DAY OF DEATH: 677 STUDY WEEK OF DEATH: 97 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 02/25/00 9:46 PROSECTOR: NANCY DIEDRICH RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93083 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/17/00 STUDY DAY OF DEATH: 729 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 491.1 GRAMS
DATE AND TIME OF NECROPSY: 04/17/00 14:57 PROSECTOR: JODI THIEREN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-CERVICAL-LEFT; WEEK 87; 100 X 90MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	>UNREMARKABLE
>MASS(ES); VENTRAL-ABDOMINAL; WEEK 95; 15 X 10MM; VERIFIED AT NECROPSY: NOT OBSERVED		LIVER (LI) :
		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MODERATELY SEVERE
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		-HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
		-MINERALIZATION, PELVIC,-MODERATELY SEVERE
		SPLEEN (SP) :
		-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE
		PANCREAS (PA) :
		-ZYMOGEN GRANULES, DECREASED,-MODERATE
	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
	-LARGE; LEFT: 12 X 9 X 9 MM (RIGHT IS 7 X 6 X 5 MM)	-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL
		-HYPERTROPHY, CORTICAL CELL,-SEVERE
		-DEGENERATION, CYSTIC / HEMORRHAGIC,-SEVERE
		MARROW, FEMUR (FM) :
		-HYPERPLASIA, MYELOID, MARROW,-SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93083 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/17/00 STUDY DAY OF DEATH: 729 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 491.1 GRAMS
DATE AND TIME OF NECROPSY: 04/17/00 14:57 PROSECTOR: JODI THIEREN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-SEVERE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT HEART (HT) : -CARDIOMYOPATHY,-SLIGHT THYROID (TY) : -HYPERPLASIA, C-CELL,-SLIGHT
	PITUITARY (PI) : -MASS(ES); 6 X 5 X 4 MM, RED, DARK RED, GREY AND FIRM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); VENTRAL CERVICAL EXTENDING TO VENTRAL THORACIC: SINGLE MASS, 120 X 110 X 50 MM (209.3 GRAMS), RED, DARK RED, TAN, GREY, LOBULATED FIRM, SOFT, AND VASCULAR; ON SECTION SOME AREAS EXUDE A RED FLUID, OTHERS EXUDE A TAN CASEOUS SEMISOLID; PORTION COLLECTED; OVERLYING SKIN HAS A DARK RED CRUSTED AREA, 65 X 35 MM; COLLECT INTACT WITH MASS; REGIONAL LN (MANDIBULAR) NORMAL (CAP 21)	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93083 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/17/00 STUDY DAY OF DEATH: 729 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 491.1 GRAMS
DATE AND TIME OF NECROPSY: 04/17/00 14:57 PROSECTOR: JODI THIEREN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-ANIMAL THIN

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-NEOPLASM, MAMMARY GLAND,-PRESENT
LN, MANDIBULAR (MN) :
-HYPERPLASIA, LYMPHOPLASMACYTIC,-
MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93083 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/17/00 STUDY DAY OF DEATH: 729 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 491.1 GRAMS
DATE AND TIME OF NECROPSY: 04/17/00 14:57 PROSECTOR: JODI THIEREN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93084 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 186.0 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 10:26 PROSECTOR: JODI THIEREN RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LF KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	6.9911	3.7584 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LF OVARY (OV0)	--------	--------	--------	NOT TAKEN
RT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93084 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 186.0 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 10:26 PROSECTOR: JODI THIEREN RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93085 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 268.5 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 12:59 PROSECTOR: TROY ELLENBECKER RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0315	.0117 %	.0147	WEIGHT TAKEN
RT ADRENAL (AD1)	.0337	.0126 %	.0158	WEIGHT TAKEN
BRAIN (BR)	2.1358	.7955 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.1824	.4404 %	.5536	WEIGHT TAKEN
RT KIDNEY (KD1)	1.2842	.4783 %	.6013	WEIGHT TAKEN
LIVER (LI)	9.0653	3.3763 %	4.2445	WEIGHT TAKEN
LUNG (LU)	1.1579	.4312 %	.5421	WEIGHT TAKEN
LF OVARY (OV0)	.0745	.0277 %	.0349	WEIGHT TAKEN
RT OVARY (OV1)	.0707	.0263 %	.0331	WEIGHT TAKEN
SPLEEN (SP)	.4904	.1826 %	.2296	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0080	.0030 %	.0037	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0106	.0039 %	.0050	WEIGHT TAKEN
UTERUS (UT)	.5732	.2135 %	.2684	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93085 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 268.5 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 12:59 PROSECTOR: TROY ELLENBECKER RECORDER: LYNN HORNER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93086 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/09/00 STUDY DAY OF DEATH: 630 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: 351.3 GRAMS
DATE AND TIME OF NECROPSY: 01/09/00 9:26 PROSECTOR: DONIA MEYER RECORDER: DONIA MEYER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 76; 60 X 50MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT -COMPRESSION, VENTRAL,-PRESENT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -DEGENERATION, CYSTIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-SLIGHT -FIBROSIS, PERIBILIARY,-SLIGHT
>APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE		
>EYES; DILATED PUPIL; EYES; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-MODERATE
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE		
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE
		ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 15 X 10 X 8 MM, RED, DARK RED, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 70 X 50 X 20 MM, RED, DARK RED, TAN, VASCULAR AND SOFT; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93086 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/09/00 STUDY DAY OF DEATH: 630 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: 351.3 GRAMS
DATE AND TIME OF NECROPSY: 01/09/00 9:26 PROSECTOR: DONIA MEYER RECORDER: DONIA MEYER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-NEOPLASM, PITUITARY,-PRESENT

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, CORTEX (AC), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93087 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/16/00 STUDY DAY OF DEATH: 697 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: 308.1 GRAMS
DATE AND TIME OF NECROPSY: 03/16/00 10:42 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>MASS(ES); INGUINAL REGION-LEFT; WEEK 93; 40 X 30MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); INGUINAL REGION-RIGHT; WEEK 95; 20 X 20MM; VERIFIED AT NECROPSY: OBSERVED
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED
>DISCHARGE; NASAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-MINERALIZATION, PELVIC,-MODERATE
-HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
ADRENAL, CORTEX (AC) :
-ANGIECTASIS,-SLIGHT
-HYPERTROPHY, CORTICAL CELL,-MINIMAL
ADRENAL, MEDULLA (MA) :
-HYPERPLASIA, MEDULLARY,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93087 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/16/00 STUDY DAY OF DEATH: 697 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: 308.1 GRAMS
DATE AND TIME OF NECROPSY: 03/16/00 10:42 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	OVARY (OV) : -CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 10 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT
		SPINAL CORD (SC) : -DEMYELINATION,-SLIGHT
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT
		HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 12 X 9 X 7 MM, RED, DARK RED, TAN, SOFT AND LOBULATED	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 40 X 35 X 25 MM, TAN, RED AND SOFT; CUT SURFACE EXUDES A TAN SEMIFLUID; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED -MASS #2; RIGHT INGUINAL REGION: SINGLE MASS, 28 X 25 X 15 MM, TAN, RED AND FIRM; CUT SURFACE EXUDES A SMALL AMOUNT OF A TAN SEMIFLUID; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT
		UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93087 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/16/00 STUDY DAY OF DEATH: 697 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: 308.1 GRAMS
DATE AND TIME OF NECROPSY: 03/16/00 10:42 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	LN, MANDIBULAR (MN) : -MOTTLED; BILATERAL: RED AND TAN; COLLECTED	LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE -HEMORRHAGE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY -DISCHARGE-NASAL; DARK RED AND DRY	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93087 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/16/00 STUDY DAY OF DEATH: 697 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: 308.1 GRAMS
DATE AND TIME OF NECROPSY: 03/16/00 10:42 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93088 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/15/99 STUDY DAY OF DEATH: 544 STUDY WEEK OF DEATH: 78 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/15/99 13:23 PROSECTOR: JOHN S. HALFORD RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; ROUGH HAIR COAT; UNVERIFIED AT NECROPSY		EYE (EY) :
		-DYSTROPHY, CORNEAL IN EARLY STAGES, CONSISTS PRIMARILY OF FOCAL MINERALIZATION,-SLIGHT
>APPEARANCE; HEAD TILT; LEFT; UNVERIFIED AT NECROPSY		
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; UNVERIFIED AT NECROPSY	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
		LIVER (LI) :
		-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT
		-HYPERPLASIA, BILE DUCT,-MINIMAL
		KIDNEY (KD) :
		-MINERALIZATION, PELVIC,-SLIGHT
		SPLEEN (SP) :
		-PIGMENT, INCREASED,-MODERATE
	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
	>NOTE:>TRIMMING COMMENT: ONE ADRENAL MISSING FROM WET TISSUE	-UNILATERALLY EXAMINED,-PRESENT
		-ANGIECTASIS,-SLIGHT
		-PIGMENT,-MINIMAL
	ADRENAL, MEDULLA (MA) :	ADRENAL, MEDULLA (MA) :
	>NOTE:>TRIMMING COMMENT: ONE ADRENAL MISSING FROM WET TISSUE	-UNILATERALLY EXAMINED,-PRESENT
		MARROW, STERNUM (SE) :
		-HYPERPLASIA, MYELOID, MARROW,-MODERATE
		HEART (HT) :
		-CARDIOMYOPATHY,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93088 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/15/99 STUDY DAY OF DEATH: 544 STUDY WEEK OF DEATH: 78 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/15/99 13:23 PROSECTOR: JOHN S. HALFORD RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 12 X 10 X 9 MM, RED, DARK RED, GRAY, LOBULATED, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		ILEUM (IL) : >AUTOLYTIC
		MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT
	UTERUS (UT) : -CYST(S); BILATERAL, WITHIN WALLS: MULTIPLE CLEAR FLUID FILLED CYSTS IN EACH, UP TO 8 MM IN DIAMETER	UTERUS (UT) : -DILATATION,-MODERATE
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -MALOCCLUSION; BILATERAL, UPPER AND LOWER INCISORS	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93088 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 10/15/99 STUDY DAY OF DEATH: 544 STUDY WEEK OF DEATH: 78 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 10/15/99 13:23 PROSECTOR: JOHN S. HALFORD RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93089 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/04/00 STUDY DAY OF DEATH: 656 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 348.1 GRAMS
DATE AND TIME OF NECROPSY: 02/04/00 8:03 PROSECTOR: TONY HANFELD RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED >MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 87; 15 X 15MM; VERIFIED AT NECROPSY: OBSERVED >MASS(ES); VENTRAL-CERVICAL; WEEK 88; 25 X 25MM; VERIFIED AT NECROPSY: OBSERVED >MASS(ES); AXILLARY REGION-RIGHT; WEEK 92; 15 X 15MM; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LN, MESENTERIC (MS) : -DIFFUSELY RED; CAUDAL END OF CHAIN: DARK RED	BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT -GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL KIDNEY (KD) : -MINERALIZATION, PELVIC,-SLIGHT SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE -HYPERTROPHY, CORTICAL CELL,-MINIMAL -DEGENERATION, CYSTIC / HEMORRHAGIC,-MINIMAL -HYPERPLASIA, CORTICAL,-SLIGHT LN, MESENTERIC (MS) : -B-HEMANGIOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93089 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/04/00 STUDY DAY OF DEATH: 656 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 348.1 GRAMS
DATE AND TIME OF NECROPSY: 02/04/00 8:03 PROSECTOR: TONY HANFELD RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	OVARY (OV) : -CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 7 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT
		THYMUS (TH) : >SECTION EXAMINED; TISSUE NOT PRESENT
		LUNG (LU) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 10 X 7 X 6 MM, DARK RED, TAN, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		COLON (CO) : -PARASITISM,-PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); VENTRAL CERVICAL REGION: SINGLE MASS, 40 X 30 X 30 MM, RED, DARK RED, TAN, CYSTIC, FIRM, AND LOBULATED; SOME SECTIONS EXUDE A TAN CREAMY SEMIFLUID; COLLECTED; REGIONAL LN (MANDIBULAR) NORMAL (CAP 21) -MASS #2; RIGHT AXILLARY REGION: SINGLE MASS, 35 X 25 X 15 MM, RED, TAN, LOBULATED, AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 22)	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT -B-ADENOMA,-NEOPLASM PRESENT >NOTE:>MASS #3 IS THE ADENOMA

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93089 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/04/00 STUDY DAY OF DEATH: 656 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 348.1 GRAMS
DATE AND TIME OF NECROPSY: 02/04/00 8:03 PROSECTOR: TONY HANFELD RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS #3; LEFT VENTRAL ABDOMINAL REGION: SINGLE MASS, 25 X 15 X 12 MM, DARK BROWN, TAN, AND FIRM; SOME SECTIONS EXUDE A BROWN CREAMY SEMIFLUID; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	
	UTERUS (UT) : -CYST(S); BILATERAL, WITHIN WALLS: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 5 MM IN DIAMETER	UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-MODERATELY SEVERE
		VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT -HYPERPLASIA, MUCINOUS,-SLIGHT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
		LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT -INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT
		LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATELY SEVERE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL: UPPER INCISORS	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93089 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/04/00 STUDY DAY OF DEATH: 656 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 348.1 GRAMS
DATE AND TIME OF NECROPSY: 02/04/00 8:03 PROSECTOR: TONY HANFELD RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93090 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 423.1 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 12:53 PROSECTOR: CHANESTA ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LIVER (LI) : -DARK FOCUS(I)/AREA(S); RIGHT MEDIAN LOBE: MULTIPLE DARK FOCI, UP TO 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION PITUITARY (PI) : -MASS(ES); 8 X 7 X 5 MM, DARK RED, RED, TAN AND SOFT MAMMARY, FEMALE (MF) : -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION CERVIX (CV) : -LARGE; 12 X 8 X 5 MM	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT -GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-MODERATE PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT MAMMARY, FEMALE (MF) : -HYPERPLASIA, GLANDULAR,-MODERATELY SEVERE CERVIX (CV) : -HYPERPLASIA, MUCINOUS,-MODERATE VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93090 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 423.1 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 12:53 PROSECTOR: CHANESTA ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	VAGINA (VA) : -MASS(ES); WITHIN LUMEN: SINGLE MASS, 7 X 5 X 3 MM, TAN, SOFT AND PEDUNCULATED; ON SECTION EXUDES A WHITE CREAMY SEMIFLUID; COLLECTED INTACT; REGIONAL LN (LUMBAR) NORMAL (CAP 22)	
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93090 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 423.1 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 12:53 PROSECTOR: CHANESTA ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), LUNG (LU), PARATHYROID (PT), URINARY BLADDER (UB), LN, LUMBAR/ILIAC (LM)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93091 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/06/99 STUDY DAY OF DEATH: 535 STUDY WEEK OF DEATH: 77 TERMINAL BODY WEIGHT: 421.0 GRAMS
DATE AND TIME OF NECROPSY: 10/06/99 13:16 PROSECTOR: JODI THIEREN RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); LIMB-HIND-RIGHT; WEEK 47; 100 X 100MM; VERIFIED AT NECROPSY: OBSERVED		BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -ROUGH SURFACE, DIFFUSE; ALL LOBES -DIFFUSELY LIGHT; ALL LOBES: TAN	LIVER (LI) : -HEMATOPOIESIS, EXTRAMEDULLARY,-MODERATE -DEGENERATION / NECROSIS, CENTRILOBULAR,-MODERATE
>SKIN & PELAGE; SORE/SCAB; LATERAL-ABDOMINAL-RIGHT; VERIFIED AT NECROPSY: OBSERVED		
>SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE	KIDNEY (KD) : -MOTTLED; BILATERAL: RED AND TAN	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-MINIMAL -MINERALIZATION, TUBULAR,-MINIMAL -HEMATOPOIESIS, EXTRAMEDULLARY,-SLIGHT -VACUOLATION, TUBULAR EPITHELIUM,-MODERATE
	SPLEEN (SP) : -LARGE; 55 X 15 X 8 MM	SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SEVERE
		ADRENAL, CORTEX (AC) : -HEMATOPOIESIS, EXTRAMEDULLARY,-SEVERE
	LN, MESENTERIC (MS) : -MOTTLED; DARK RED AND TAN	LN, MESENTERIC (MS) : -HEMORRHAGE,-PRESENT
	OVARY (OV) : -CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 2 MM IN DIAMETER	OVARY (OV) : >UNREMARKABLE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93091 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/06/99 STUDY DAY OF DEATH: 535 STUDY WEEK OF DEATH: 77 TERMINAL BODY WEIGHT: 421.0 GRAMS
DATE AND TIME OF NECROPSY: 10/06/99 13:16 PROSECTOR: JODI THIEREN RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,-MODERATELY SEVERE MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-MODERATE -HYPERPLASIA, ERYTHROID, MARROW,-MODERATE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE
	LUNG (LU) : -MASS(ES); ALL LOBES: MULTIPLE MASSES, UP TO 7 X 7 X 6 MM, TAN AND FIRM; SAME ON CUT SURFACES; COLLECTED INTACT; REGIONAL LN (TRACHEOBRONCHIAL) NOT IDENTIFIED	LUNG (LU) : -N-CARCINOMA,-NEOPLASM PRESENT
	HEART (HT) : -LARGE; 25 X 15 X 11 MM -DIFFUSELY LIGHT; DIFFUSE: GRAY	HEART (HT) : >UNREMARKABLE
	PITUITARY (PI) : -LARGE; 5 X 5 X 3 MM; APPEARS SWOLLEN -DARK FOCUS(I)/AREA(S); MID ASPECT: SINGLE DARK BROWN AREA, 4 X 2 MM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL MAMMARY, FEMALE (MF) : -M-CARCINOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93091 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/06/99 STUDY DAY OF DEATH: 535 STUDY WEEK OF DEATH: 77 TERMINAL BODY WEIGHT: 421.0 GRAMS
DATE AND TIME OF NECROPSY: 10/06/99 13:16 PROSECTOR: JODI THIEREN RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT LATERAL LUMBAR REGION: SINGLE MASS, 98 X 75 X 68 MM, RED, DARK RED, TAN, FIRM, AND VASCULAR; ON SECTION EXUDES A DARK RED FLUID AND A YELLOW SEMIFLUID; PORTION COLLECTED; OVERLYING SKIN HAS A DARK RED MOIST ULCERATED AREA, 25 MM IN DIAMETER; COLLECTED INTACT WITH PORTION OF MASS COLLECTED; REGIONAL LN (SEE AXILLARY) -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	
	UTERUS (UT) : -CYST(S); BILATERAL WITHIN WALLS: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 7 X 3 X 3 MM	UTERUS (UT) : -DILATATION,-MODERATE
		CAUSE OF DEATH (CD) : -NEOPLASM, MAMMARY GLAND,-PRESENT
	LN, AXILLARY (AX) : -MOTTLED; BILATERAL: DARK RED AND TAN (CAP 21)	LN, AXILLARY (AX) : >UNREMARKABLE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93091 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/06/99 STUDY DAY OF DEATH: 535 STUDY WEEK OF DEATH: 77 TERMINAL BODY WEIGHT: 421.0 GRAMS
DATE AND TIME OF NECROPSY: 10/06/99 13:16 PROSECTOR: JODI THIEREN RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93092 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/06/99 STUDY DAY OF DEATH: 535 STUDY WEEK OF DEATH: 77 TERMINAL BODY WEIGHT: 309.7 GRAMS
DATE AND TIME OF NECROPSY: 10/06/99 11:30 PROSECTOR: JODI THIEREN RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 72; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED		EYE (EY) : -ATROPHY, RETINAL,-SLIGHT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT -COMPRESSION, VENTRAL,-PRESENT
>APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) : -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MINIMAL
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -MINERALIZATION, PELVIC,-SLIGHT -HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE		SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT
		PANCREAS (PA) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
	ADRENAL, CORTEX (AC) : -LARGE; RIGHT: 8 X 6 X 5 MM (LEFT IS 6 X 4 X 2 MM) -DARK FOCUS(I)/AREA(S); RIGHT CRANIAL END: SINGLE DARK BROWN AREA, 5 MM IN DIAMETER	ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC / HEMORRHAGIC,-MODERATELY SEVERE -PIGMENT,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93092 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/06/99 STUDY DAY OF DEATH: 535 STUDY WEEK OF DEATH: 77 TERMINAL BODY WEIGHT: 309.7 GRAMS
DATE AND TIME OF NECROPSY: 10/06/99 11:30 PROSECTOR: JODI THIEREN RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 11 X 9 X 9 MM, RED. DARK RED, TAN, GRAY, SOFT, AND LOBULATED	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 28 X 20 X 13 MM, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 21) -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTIONS	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT
	UTERUS (UT) : -THICKENED WALL; BILATERAL	UTERUS (UT) : >UNREMARKABLE VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY MATERIAL -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93092 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/06/99 STUDY DAY OF DEATH: 535 STUDY WEEK OF DEATH: 77 TERMINAL BODY WEIGHT: 309.7 GRAMS
DATE AND TIME OF NECROPSY: 10/06/99 11:30 PROSECTOR: JODI THIEREN RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93093 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/18/00 STUDY DAY OF DEATH: 670 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 425.1 GRAMS
DATE AND TIME OF NECROPSY: 02/18/00 10:20 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 70; 70 X 70MM; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 89; 45 X 45MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) :
>MASS(ES); AXILLARY REGION-LEFT; WEEK 91; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
>MASS(ES); VENTRAL-CERVICAL-LEFT; WEEK 94; 15 X 15MM; VERIFIED AT NECROPSY: OBSERVED		-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
>MASS(ES); VENTRAL-CERVICAL-RIGHT; WEEK 94; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) :
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	ADRENAL, CORTEX (AC) :	-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	-LARGE; LEFT: 10 MM IN DIAMETER (RIGHT IS 5 MM IN DIAMETER)	-MINERALIZATION, PELVIC,-MODERATE
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	-CYST(S); LEFT: SINGLE CLEAR FLUID FILLED CYST, 6 MM IN DIAMETER	-HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT
		>NOTE:>SINGLE SMALL AREA OF HEMORRHAGE WITH PROTEINACEOUS-APPEARING LAMELLAR SPHERULES.
		SPLEEN (SP) :
		-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT
		ADRENAL, CORTEX (AC) :
		-ANGIECTASIS,-SLIGHT
		-HEMORRHAGE,-PRESENT
		-HYPERTROPHY, CORTICAL CELL,-MODERATE
		-DEGENERATION, CYSTIC / HEMORRHAGIC,-MINIMAL
		-PIGMENT,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93093 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/18/00 STUDY DAY OF DEATH: 670 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 425.1 GRAMS
DATE AND TIME OF NECROPSY: 02/18/00 10:20 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-MODERATE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL HEART (HT) : -MINERALIZATION, VASCULAR,-MINIMAL
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 15 X 13 X 8 MM, DARK RED AND SOFT MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 90 X 65 X 30 MM, RED, TAN, VASCULAR, AND SOFT; SOME AREAS EXUDE A TAN CREAMY SEMISOLID; PORTION COLLECTED; REGIONAL LN (INGUINAL) NORMAL (CAP 21) -MASS #2; RIGHT INGUINAL REGION: SINGLE MASS, 40 X 40 X 20 MM, DARK RED, DARK BROWN, AND SOFT; ON SECTION EXUDES A CLEAR DARK BROWN FLUID; COLLECTED; REGIONAL LN (INGUINAL) NORMAL (CAP 21)	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT MAMMARY, FEMALE (MF) : -M-CARCINOMA,- 2 NEOPLASMS PRESENT -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT -HYPERPLASIA, GLANDULAR,-MODERATE -B-ADENOMA,-NEOPLASM PRESENT >NOTE:>MASSES 1 & 5 ARE FIBROADENOMAS MASSES 3 & 4 ARE CARCINOMAS MASS 2 IS AN ADENOMA

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93093 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/18/00 STUDY DAY OF DEATH: 670 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 425.1 GRAMS
DATE AND TIME OF NECROPSY: 02/18/00 10:20 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS #3; LEFT AXILLARY REGION: SINGLE MASS, 25 X 15 X 10 MM, DARK BROWN, TAN, LOBULATED, AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 22) -MASS #4; LEFT CERVICAL REGION: SINGLE MASS, 25 X 20 X 15 MM, TAN, FIRM AND VASCULAR; ON SECTION EXUDES A TAN AND GREEN CREAMY SEMIFLUID; COLLECTED; REGIONAL LN (MANDIBULAR) NORMAL (CAP 23) -MASS #5; RIGHT CERVICAL REGION: SINGLE MASS, 30 X 20 X 15 MM, TAN AND SOFT; ON SECTION EXUDES A YELLOW AND TAN CREAMY SEMIFLUID; COLLECTED; REGIONAL LN (MANDIBULAR) NORMAL (CAP 23)	UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-MINIMAL CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MINIMAL LN, INGUINAL (IN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93093 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/18/00 STUDY DAY OF DEATH: 670 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 425.1 GRAMS
DATE AND TIME OF NECROPSY: 02/18/00 10:20 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SEVERE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL, UPPER INCISORS -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93093 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/18/00 STUDY DAY OF DEATH: 670 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 425.1 GRAMS
DATE AND TIME OF NECROPSY: 02/18/00 10:20 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93094 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/18/00 STUDY DAY OF DEATH: 670 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 388.9 GRAMS
DATE AND TIME OF NECROPSY: 02/18/00 7:45 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>MASS(ES); VENTRAL-CERVICAL-RIGHT; WEEK 76; 55 X 60MM; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; SORE/SCAB; VENTRAL-CERVICAL-RIGHT; VERIFIED AT NECROPSY: OBSERVED
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED
>BEHAVIOR; COLD TO TOUCH; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)
LIVER (LI) :
-DIFFUSELY LIGHT; ALL LOBES: TAN
-RED FOCUS(I)/AREA(S); DIAPHRAGMATIC SURFACE OF RIGHT MEDIAN LOBE: SINGLE RED FOCUS, 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION

KIDNEY (KD) :
-DIFFUSELY LIGHT; BILATERAL: TAN

HISTOPATHOLOGY

EYE (EY) :
-INFLAMMATION, ACUTE,-SLIGHT
BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MODERATE
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
-HYPERPLASIA, BILE DUCT,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT
-MINERALIZATION, PELVIC,-SLIGHT
-MINERALIZATION, TUBULAR,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
ADRENAL, CORTEX (AC) :
-HYPERTROPHY, CORTICAL CELL,-MODERATE
-DEGENERATION, CYSTIC / HEMORRHAGIC,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93094 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/18/00 STUDY DAY OF DEATH: 670 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 388.9 GRAMS
DATE AND TIME OF NECROPSY: 02/18/00 7:45 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, MEDULLA (MA) : -HYPERPLASIA, MEDULLARY,-MODERATE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 10 X 9 X 6 MM, DARK RED, TAN, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-MODERATE -ULCERATION,-MINIMAL -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT CERVICAL REGION: SINGLE MASS, 60 X 40 X 30 MM, RED, DARK RED, TAN, LOBULATED, VASCULAR, AND FIRM; SOME AREAS EXUDE A DARK BROWN SEMISOLID; COLLECTED; REGIONAL LN (MANDIBULAR) NORMAL (CAP 21); OVERLYING SKIN OF MASS HAS A SINGLE DARK BROWN, DRY CRUSTED AREA, 12, X 10 MM; COLLECTED INTACT WITH MASS -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -M-CARCINOMA,-NEOPLASM PRESENT -CYST / GALACTOCELE,-PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT
		VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-SLIGHT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93094 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/18/00 STUDY DAY OF DEATH: 670 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 388.9 GRAMS
DATE AND TIME OF NECROPSY: 02/18/00 7:45 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93094 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/18/00 STUDY DAY OF DEATH: 670 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 388.9 GRAMS
DATE AND TIME OF NECROPSY: 02/18/00 7:45 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93095 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/17/00 STUDY DAY OF DEATH: 729 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/17/00 16:05 PROSECTOR: JODI THIEREN RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>MASS(ES); AXILLARY REGION-LEFT; WEEK 79; 40 X 35MM; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; SORE/SCAB; AXILLARY REGION-LEFT; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); VENTRAL-ABDOMINAL; WEEK 97; 20 X 20MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); INGUINAL REGION-LEFT; WEEK 97; 55 X 40MM; VERIFIED AT NECROPSY: OBSERVED
>EYES; PALE; EYES; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; COLD TO TOUCH; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
>UNREMARKABLE
LIVER (LI) :
-VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR,-MODERATELY SEVERE
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT
-MINERALIZATION, PELVIC,-SLIGHT
SPLEEN (SP) :
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SEVERE
ADRENAL, CORTEX (AC) :
-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL
-HYPERTROPHY, CORTICAL CELL,-MODERATE
-DEGENERATION, CYSTIC / HEMORRHAGIC,-SLIGHT
-PIGMENT,-MINIMAL
ADRENAL, MEDULLA (MA) :
-UNILATERALLY EXAMINED,-PRESENT
OVARY (OV) :
-CYST,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93095 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/17/00 STUDY DAY OF DEATH: 729 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/17/00 16:05 PROSECTOR: JODI THIEREN RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,-SEVERE MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-SEVERE
	THYMUS (TH) : -MISSING/NOT IDENTIFIED; DUE TO ADHESIONS, POSSIBLE REMNANTS SUBMITTED	THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SEVERE
	LUNG (LU) : -MASS(ES); ALL LOBES: MULTIPLE TAN, RED AND FIRM MASSES, UP TO 13 X 7 X 4 MM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (TRACHEOBRONCHIAL) NOT IDENTIFIED -ADHESION(S); ALL LOBES ADHERED TO EACH OTHER, DIAPHRAGM, HEART AND THYMUS: MULTIPLE GREY FIBROUS ADHESIONS; COLLECTED INTACT	LUNG (LU) : -N-CARCINOMA,-FROM MAMMARY, FEMALE
		HEART (HT) : -CARDIOMYOPATHY,-MINIMAL -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE THYROID (TY) : -HYPERPLASIA, C-CELL,-SLIGHT
	PITUITARY (PI) : -MASS(ES); 7 X 6 X 4 MM, RED , DARK RED, TAN AND FIRM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		STOMACH, GL (ST) : >UNREMARKABLE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93095 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/17/00 STUDY DAY OF DEATH: 729 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/17/00 16:05 PROSECTOR: JODI THIEREN RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN AREAS, UP TO 2 MM IN DIAMETER	
	SKIN (SK) : >NOTE:>SKIN WAS TAKEN FROM RIGHT SIDE DUE TO MASS ON LEFT	
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 38 X 25 X 15 MM, RED, TAN, LOBULATED AND FIRM; ON SECTION, EXUDED A TAN FLUID; COLLECTED; REGIONAL LN (SEE AXILLARY); OVERLYING SKIN HAS A DARK RED AND DRY CRUSTED AREA, 35 X 25 MM; COLLECTED INTACT WITH MASS -MASS #2; LEFT INGUINAL EXTENDING INTO VENTRAL ABDOMINAL: SINGLE MASS, 65 X 50 X 31 MM, RED, DARK RED, TAN, LOBULATED AND FIRM: SOME SECTIONS EXUDE A RED FLUID; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED >NOTE:>MAMMARY WAS TAKEN FROM RIGHT SIDE DUE TO MASS ON LEFT	MAMMARY, FEMALE (MF) : -M-CARCINOMA,-NEOPLASM PRESENT -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT >NOTE:>MASS #1 IS THE CARCINOMA
	UTERUS (UT) : -CYST(S); RIGHT HORN, WITHIN WALL: MULTIPLE CLEAR FLUID FILLED CYSTS, 2 MM IN DIAMETER	UTERUS (UT) : >UNREMARKABLE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93095 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/17/00 STUDY DAY OF DEATH: 729 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/17/00 16:05 PROSECTOR: JODI THIEREN RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	VAGINA (VA) : -SEMIFLUID MATERIAL; WITHIN LUMEN: LIGHT GREEN MUCOID MATERIAL	VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT -HYPERPLASIA, MUCINOUS,-MINIMAL
		CAUSE OF DEATH (CD) : -NEOPLASM, MAMMARY GLAND,-PRESENT
	LN, AXILLARY (AX) : -LARGE; LEFT: UP TO 12 X 10 X 3 MM (RIGHT NOT IDENTIFIED) (CAP 21)	LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATELY SEVERE
	GENERAL COMMENT (GC) : -FLUID-THORACIC CAVITY; CLEAR FLUID	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93095 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/17/00 STUDY DAY OF DEATH: 729 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/17/00 16:05 PROSECTOR: JODI THIEREN RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), LN, MEDIASTINAL (ML), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), LN, MESENTERIC (MS), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93096 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/22/98 STUDY DAY OF DEATH: 217 STUDY WEEK OF DEATH: 31 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/22/98 8:04 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	GENERAL COMMENT (GC) : -MALOCCLUSION; BILATERAL, UPPER INCISORS -DISCHARGE-OCULAR; RIGHT: DARK RED AND DRY	LIVER (LI) : -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL -DEGENERATION / NECROSIS, CENTRILOBULAR,-SLIGHT KIDNEY (KD) : -MINERALIZATION, TUBULAR,-MINIMAL -VACUOLATION, TUBULAR EPITHELIUM,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-MINIMAL -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT LUNG (LU) : -CONGESTION,-PRESENT -MINERALIZATION, VASCULAR,-MINIMAL HEART (HT) : -MINERALIZATION, VASCULAR,-MINIMAL CAUSE OF DEATH (CD) : -UNDETERMINED MICROSCOPICALLY,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93096 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/22/98 STUDY DAY OF DEATH: 217 STUDY WEEK OF DEATH: 31 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/22/98 8:04 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

PAGE: 1839

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93097 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/28/00 STUDY DAY OF DEATH: 680 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: 405.5 GRAMS
DATE AND TIME OF NECROPSY: 02/28/00 8:33 PROSECTOR: DENNIS HOFFMAN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 63; 40 X 35MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); AXILLARY REGION-LEFT; WEEK 69; 55 X 60MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); VENTRAL-CERVICAL; WEEK 78; 50 X 50MM; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; SORE/SCAB; VENTRAL-THORACIC-LEFT; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; BLACK SKIN; VENTRAL-THORACIC-LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE
>DISCHARGE; OTHER; AXILLARY LEFT MASS BLEEDING; VERIFIED AT NECROPSY: OBSERVED
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-SLIGHT
-NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
SPLEEN (SP) :
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE
ADRENAL, CORTEX (AC) :
-VACUOLATION, FOCAL,-SLIGHT
-HYPERTROPHY, CORTICAL CELL,-SLIGHT
-HYPERPLASIA, CORTICAL,-MINIMAL
-PIGMENT,-SLIGHT
MARROW, FEMUR (FM) :
-HYPERPLASIA, MYELOID, MARROW,-MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93097 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/28/00 STUDY DAY OF DEATH: 680 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: 405.5 GRAMS
DATE AND TIME OF NECROPSY: 02/28/00 8:33 PROSECTOR: DENNIS HOFFMAN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-MODERATE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 9 X 7 X 4 MM, RED, DARK RED, TAN, AND FIRM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT CERVICAL REGION, EXTENDING INTO RIGHT AXILLARY REGION: SINGLE MASS, 55 X 50 X 22 MM, FIRM, LOBULATED, RED, AND TAN; ON SECTION SOME AREAS CONTAIN A TAN CREAMY SEMIFLUID; COLLECTED; REGIONAL LN (SEE AXILLARY) -MASS #2; LEFT INGUINAL REGION: SINGLE MASS, 47 X 36 X 23 MM, FIRM, LOBULATED, RED, AND TAN; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -M-CARCINOMA,-NEOPLASM PRESENT -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT >NOTE:>THE CARCINOMA IS MASS #3

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93097 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/28/00 STUDY DAY OF DEATH: 680 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: 405.5 GRAMS
DATE AND TIME OF NECROPSY: 02/28/00 8:33 PROSECTOR: DENNIS HOFFMAN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS #3; LEFT AXILLARY REGION: SINGLE MASS, 62 X 56 X 50 MM, RED, DARK RED, TAN, FIRM, AND LOBULATED, ON SECTION, SOME AREAS CONTAIN A BROWN FLUID; COLLECTED; OVERLYING SKIN HAS A SINGLE DRY, RED, BROWN ULCERATED AREA, 30 X 45 MM, WHICH EXUDES A DARK RED FLUID; COLLECTED WITH MASS; REGIONAL LN (SEE AXILLARY)	
		CERVIX (CV) : -HYPERPLASIA, MUCINOUS,-SLIGHT VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT -HYPERPLASIA, MUCINOUS,-MODERATELY SEVERE CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	LN, AXILLARY (AX) : -LARGE; BILATERAL: LEFT IS 15 X 8 X 3 MM, RIGHT IS 9 X 5 X 2 MM (CAP 21) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93097 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/28/00 STUDY DAY OF DEATH: 680 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: 405.5 GRAMS
DATE AND TIME OF NECROPSY: 02/28/00 8:33 PROSECTOR: DENNIS HOFFMAN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93098 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 469.4 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 10:08 PROSECTOR: CHANESTA ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); INGUINAL REGION-LEFT; WEEK 100; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT -MINERALIZATION, PELVIC,-MODERATE -HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT
	OVARY (OV) : -CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 3 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT
		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-MODERATE
	PITUITARY (PI) : -LARGE; 6 X 5 X 3 MM, APPEARS SWOLLEN	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT -HYPERPLASIA,-MINIMAL MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93098 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 469.4 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 10:08 PROSECTOR: CHANESTA ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 10 X 9 X 6 MM, RED, TAN, AND FIRM; SAME ON CUT SURFACE (CAP 22) REGIONAL LN (INGUINAL) NOT IDENTIFIED -THICKENED; ALL REGIONS DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION -CYST(S); ALL REGIONS DIFFUSE: MULTIPLE WHITE CREAMY FLUID FILLED CYSTS, UP TO 4 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -HYPERPLASIA, GLANDULAR,-MINIMAL -M-FIBROSARCOMA,-NEOPLASM PRESENT
	UTERUS (UT) : -MASS(ES); RIGHT HORN WITHIN WALL: MULTIPLE DARK RED AND TAN PEDUNCULATED MASSES, EACH IS UP TO 5 X 4 X 3 MM; COLLECTED INTACT; REGIONAL LN (LUMBAR) NORMAL (CAP 23)	UTERUS (UT) : -B-ADENOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
		LN, LUMBAR/ILIAC (LM) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93098 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 469.4 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 10:08 PROSECTOR: CHANESTA ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93099 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/19/00 STUDY DAY OF DEATH: 671 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 420.6 GRAMS
DATE AND TIME OF NECROPSY: 02/19/00 7:39 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>MASS(ES); AXILLARY REGION-LEFT; WEEK 79; 30 X 20MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 72; 20 X 20MM; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>DISCHARGE; GENITAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
-MINERALIZATION,-MINIMAL
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
-HYPERPLASIA, BILE DUCT,-SLIGHT
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-MINERALIZATION, PELVIC,-SLIGHT
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-MODERATELY SEVERE
-INFILTRATION, FAT, INTERSTITIAL,-SLIGHT
ADRENAL, CORTEX (AC) :
-PIGMENT,-SLIGHT
-ATROPHY, CORTICAL,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93099 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/19/00 STUDY DAY OF DEATH: 671 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 420.6 GRAMS
DATE AND TIME OF NECROPSY: 02/19/00 7:39 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL -B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT PARATHYROID (PT) : >SECTION EXAMINED; TISSUE NOT PRESENT
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 14 X 11 X 6 MM, RED, DARK RED, TAN, SOFT, AND LOBULATED	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 25 X 25 X 16 MM, RED, TAN, AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED -MASS #2; LEFT AXILLARY REGION: SINGLE MASS, 30 X 20 X 15 MM, TAN AND SOFT; ON SECTION EXUDES A CLEAR FLUID; COLLECTED; REGIONAL LN (AXILLARY) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT -B-ADENOMA,-NEOPLASM PRESENT >NOTE:>THE ADENOMA IS MASS #2
		UTERUS (UT) : -B-POLYP, ENDOMETRIAL, STROMAL,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93099 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/19/00 STUDY DAY OF DEATH: 671 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 420.6 GRAMS
DATE AND TIME OF NECROPSY: 02/19/00 7:39 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	UTERUS (UT) : -MASS(ES); WITHIN LUMEN OF RIGHT HORN: SINGLE MASS, 16 X 6 X 6 MM, DARK RED, SOFT, AND LOBULATED; SAME ON CUT SURFACE; COLLECTED INTACT WITH UTERUS; REGIONAL LN (LUMBAR) NORMAL (CAP 21)	UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-MODERATELY SEVERE
		VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-SLIGHT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -STAINS-PERINEUM/PERIANAL; DARK RED AND DRY	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93099 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/19/00 STUDY DAY OF DEATH: 671 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 420.6 GRAMS
DATE AND TIME OF NECROPSY: 02/19/00 7:39 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), HEMATO NEOPLASIA (HN), LN, LUMBAR/ILIAC (LM)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93100 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/28/99 STUDY DAY OF DEATH: 618 STUDY WEEK OF DEATH: 89 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/28/99 7:10 PROSECTOR: GREGORY CODDINGTON RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MODERATE -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-SLIGHT KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-SLIGHT ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MINIMAL -PIGMENT,-SLIGHT THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE HEART (HT) : -CARDIOMYOPATHY,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93100 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/28/99 STUDY DAY OF DEATH: 618 STUDY WEEK OF DEATH: 89 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/28/99 7:10 PROSECTOR: GREGORY CODDINGTON RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 7 X 6 X 4 MM, DARK RED, TAN, GRAY AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		DUODENUM (DU) : >AUTOLYTIC
		ILEUM (IL) : >AUTOLYTIC
		CECUM (CE) : >AUTOLYTIC
		COLON (CO) : >AUTOLYTIC
		MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,-NEOPLASM PRESENT
		UTERUS (UT) : -DILATATION,-MODERATE
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: DARK RED (CAP 21)	LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93100 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/28/99 STUDY DAY OF DEATH: 618 STUDY WEEK OF DEATH: 89 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/28/99 7:10 PROSECTOR: GREGORY CODDINGTON RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), JEJUNUM (JE), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93101 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 458.8 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 10:52 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-SLIGHT PANCREAS (PA) : -HYPERTROPHY / BASOPHILIA, ACINAR CELL,-MINIMAL
	ADRENAL, CORTEX (AC) : -LARGE; RIGHT: 6 X 4 X 3 MM (LEFT IS 5 X 3 X 3 MM)	ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-MINIMAL -PIGMENT,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL PARATHYROID (PT) : -HYPERPLASIA,-SLIGHT MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93101 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 458.8 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 10:52 PROSECTOR: TODD ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
KIDNEY (KD), ADRENAL, MEDULLA (MA), LUNG (LU), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93102 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 519.9 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 7:27 PROSECTOR: STEVE VAN ADESTINE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LIVER (LI) : -MOTTLED; ALL LOBES: RED AND TAN OVARY (OV) : -CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 4 MM IN DIAMETER	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-SLIGHT -HYPERPLASIA, BILE DUCT,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-MINIMAL PANCREAS (PA) : -ATROPHY, ACINAR,-MINIMAL OVARY (OV) : -CYST,-PRESENT LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL -HYPERPLASIA, TYPE II PNEUMOCYTE,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93102 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 519.9 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 7:27 PROSECTOR: STEVE VAN ADESTINE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 6 X 5 X 7 MM, RED, DARK RED, GRAY, AND SOFT MAMMARY, FEMALE (MF) : -THICKENED; ALL REGIONS, DIFFUSE: COLLECTED ON ROUTINE SECTION UTERUS (UT) : -CYST(S); RIGHT WITHIN WALL: SINGLE CLEAR FLUID FILLED CYST, 3 MM IN DIAMETER GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT -CYST,-PRESENT MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-MINIMAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93102 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 519.9 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 7:27 PROSECTOR: STEVE VAN ADESTINE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
THYROID (TY), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93103 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/10/00 STUDY DAY OF DEATH: 691 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: 391.1 GRAMS
DATE AND TIME OF NECROPSY: 03/10/00 13:04 PROSECTOR: DAVID SCHUETTE RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>SKIN & PELAGE; SORE/SCAB; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-RIGHT; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; MISSING; TEETH; VERIFIED AT NECROPSY: OBSERVED
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; BROWN HAIR COAT; VENTRAL-ABDOMINAL; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

LIVER (LI) :
-DIFFUSELY LIGHT; ALL LOBES: TAN

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-SLIGHT
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SEVERE
-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL
-HYPERPLASIA, BILE DUCT,-SLIGHT
-FIBROSIS, PERIBILIARY,-SLIGHT
-INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-MINERALIZATION, PELVIC,-MINIMAL
SPLEEN (SP) :
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE
PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-MODERATE
ADRENAL, CORTEX (AC) :
-ANGIECTASIS,-SLIGHT
-PIGMENT,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93103 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/10/00 STUDY DAY OF DEATH: 691 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: 391.1 GRAMS
DATE AND TIME OF NECROPSY: 03/10/00 13:04 PROSECTOR: DAVID SCHUETTE RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	OVARY (OV) : -CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 2 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT
	BONE, FEMUR (FE) : >NOTE:>TRIMMING COMMENT: FEMUR NOT FOUND AT TIME OF TRIMMING	BONE, FEMUR (FE) : >TISSUE MISSING
	MARROW, FEMUR (FM) : >NOTE:>TRIMMING COMMENT: FEMUR NOT FOUND AT TIME OF TRIMMING	MARROW, FEMUR (FM) : >TISSUE MISSING
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE
		HEART (HT) : -CARDIOMYOPATHY,-MODERATE
		THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 12 X 9 X 5 MM, DARK RED, TAN, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: SINGLE TAN ULCERATED AREA, 12 X 7 MM -THICKENED WALL; DIFFUSE	STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-MODERATELY SEVERE -ULCERATION,-MODERATE -INFLAMMATION, CHRONIC-ACTIVE,-SEVERE -FIBROSIS,-MODERATELY SEVERE
	MAMMARY, FEMALE (MF) : -THICKENED; ALL REGIONS DIFFUSE: TAN; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93103 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/10/00 STUDY DAY OF DEATH: 691 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: 391.1 GRAMS
DATE AND TIME OF NECROPSY: 03/10/00 13:04 PROSECTOR: DAVID SCHUETTE RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MAMMARY, FEMALE (MF) : -B-ADENOMA,-NEOPLASM PRESENT >NOTE:>NEOPLASM IS ON SLIDE #19 UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,- MINIMAL VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT -HYPERPLASIA, MUCINOUS,-MINIMAL CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	FOOT/FOOTPAD (FP) : -ABRASION(S)/ULCERATION(S); BILATERAL HINDFEET: SINGLE MOIST TAN ULCERATED AREA ON EACH, EACH IS 6 MM IN DIAMETER; BOTH ARE COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; UPPER RIGHT INCISOR -TEETH MISSING/BROKEN/WORN; UPPER LEFT INCISOR: MISSING -STAINS - SKIN/HAIRCOAT; VENTRAL ABDOMINAL: MOIST BROWN MATERIAL	FOOT/FOOTPAD (FP) : -INFLAMMATION, CHRONIC-ACTIVE,-SEVERE -ULCERATION,-SLIGHT -ACANTHOSIS / HYPERKERATOSIS,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93103 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/10/00 STUDY DAY OF DEATH: 691 STUDY WEEK OF DEATH: 99 TERMINAL BODY WEIGHT: 391.1 GRAMS
DATE AND TIME OF NECROPSY: 03/10/00 13:04 PROSECTOR: DAVID SCHUETTE RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93104 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/23/99 STUDY DAY OF DEATH: 583 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 316.5 GRAMS
DATE AND TIME OF NECROPSY: 11/23/99 15:45 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 58; 45 X 30MM; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; SORE/SCAB; VENTRAL-THORACIC-LEFT; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MINIMAL
-NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-MINERALIZATION, PELVIC,-MODERATELY SEVERE
-HYPERPLASIA, TRANSITIONAL CELL,-MODERATE
SPLEEN (SP) :
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MINIMAL
ADRENAL, CORTEX (AC) :
-ANGIECTASIS,-MINIMAL
-PIGMENT,-SLIGHT
MARROW, FEMUR (FM) :
-HYPERPLASIA, MYELOID, MARROW,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93104 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/23/99 STUDY DAY OF DEATH: 583 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 316.5 GRAMS
DATE AND TIME OF NECROPSY: 11/23/99 15:45 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-MODERATE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 13 X 12 X 9 MM, DARK RED, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
	SKIN (SK) : -CRUSTED AREA(S); LEFT LATERAL THORACIC REGION: TWO TAN, RED AND DRY SLIGHTLY RAISED AREAS, ONE IS 7 X 6 X 3 MM, THE OTHER IS 8 X 6 X 5 MM (CAP 22) >NOTE:>SECTION TAKEN FROM RIGHT SIDE DUE TO MASS	SKIN (SK) : -ACANTHOSIS/HYPERKERATOSIS,-MODERATE -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE -ULCERATION,-MODERATE >NOTE:>SEE ALSO MAMMARY GLAND
		MAMMARY, FEMALE (MF) : -M-CARCINOMA,- 2 NEOPLASMS PRESENT -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93104 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/23/99 STUDY DAY OF DEATH: 583 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 316.5 GRAMS
DATE AND TIME OF NECROPSY: 11/23/99 15:45 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: MULTIPLE MASSES, UP TO 30 X 30 X 15 MM, SOME ARE TAN AND SOFT; SAME ON CUT SURFACE; SOME ARE DARK RED, TAN AND SOFT; CUT SURFACE EXUDES A DARK RED SEMIFLUID; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED >NOTE:>SECTION TAKEN FROM RIGHT SIDE DUE TO MASS	MAMMARY, FEMALE (MF) : >NOTE:>THE MASS CONTAINS BOTH CARCINOMA AND FIBROADENOMA THE SECOND MAMMARY CARCINOMA WAS IN THE ULCERATED SKIN SECTION
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	LN, MANDIBULAR (MN) : -LARGE; BILATERAL: EACH IS UP TO 10 X 7 X 3 MM (CAP 21)	LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SEVERE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93104 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/23/99 STUDY DAY OF DEATH: 583 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 316.5 GRAMS
DATE AND TIME OF NECROPSY: 11/23/99 15:45 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93105 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/28/99 STUDY DAY OF DEATH: 618 STUDY WEEK OF DEATH: 89 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/28/99 7:26 PROSECTOR: GREGORY CODDINGTON RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; SWOLLEN; LIMB-HIND-RIGHT; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-DILATATION, VENTRICULAR,-PRESENT
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED		-COMPRESSION, VENTRAL,-PRESENT
		LIVER (LI) :
		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MINIMAL
		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
		-MINERALIZATION, PELVIC,-MINIMAL
		-HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT
		SPLEEN (SP) :
		-PIGMENT, INCREASED,-SLIGHT
		-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MINIMAL
	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
	-LARGE; LEFT: 10 MM IN DIAMETER (RIGHT IS 5 MM IN DIAMETER)	-DEGENERATION, CYSTIC / HEMORRHAGIC,-SEVERE
	LN, MESENTERIC (MS) :	LN, MESENTERIC (MS) :
	-DIFFUSELY DARK; DARK BROWN	>UNREMARKABLE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93105 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/28/99 STUDY DAY OF DEATH: 618 STUDY WEEK OF DEATH: 89 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/28/99 7:26 PROSECTOR: GREGORY CODDINGTON RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 13 X 9 X 9 MM, DARK RED, GREY, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		JEJUNUM (JE) : >AUTOLYTIC ILEUM (IL) : >AUTOLYTIC CECUM (CE) : >AUTOLYTIC
	MAMMARY, FEMALE (MF) : -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM (COLLECTED ON ROUTINE SECTION)	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -HYPERPLASIA, GLANDULAR,-MODERATE
		UTERUS (UT) : -DILATATION,-SLIGHT VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-MINIMAL CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	FOOT/FOOTPAD (FP) : -CRUSTED AREA(S); RIGHT HINDFOOT: SINGLE TAN AND DRY CRUSTED AREA, 4 X 3 MM; SURROUNDING TISSUE APPEARS SWOLLEN (COLLECTED)	FOOT/FOOTPAD (FP) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE -ULCERATION,-SLIGHT -ACANTHOSIS / HYPERKERATOSIS,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93105 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 12/28/99 STUDY DAY OF DEATH: 618 STUDY WEEK OF DEATH: 89 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 12/28/99 7:26 PROSECTOR: GREGORY CODDINGTON RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-MALOCCLUSION; BILATERAL UPPER INCISORS

HISTOPATHOLOGY

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93106 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/09/00 STUDY DAY OF DEATH: 661 STUDY WEEK OF DEATH: 95 TERMINAL BODY WEIGHT: 410.2 GRAMS
DATE AND TIME OF NECROPSY: 02/09/00 11:36 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MISSING; TAIL-DISTAL; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-DILATATION, VENTRICULAR,-PRESENT
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) :	-COMPRESSION, VENTRAL,-PRESENT
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	-LIGHT FOCUS(I)/AREA(S); AT JUNCTION OF MEDIAN LOBES: SINGLE TAN AREA, 4 MM IN DIAMETER (CAP 21)	LIVER (LI) :
	-RED FOCUS(I)/AREA(S); NEAR JUNCTION OF MEDIAN LOBES: MULTIPLE DARK RED AREAS, UP TO 4 MM IN DIAMETER (CAP 21)	-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
	-DARK FOCUS(I)/AREA(S); DIAPHRAGMATIC SURFACE OF LEFT LATERAL LOBE: SINGLE GRAY, LINEAR AREA, 4 X 2 MM; COLLECTED ON ROUTINE SECTION	-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MODERATE
		-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
		-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL
		-DEGENERATION, CYSTIC,-MINIMAL
		-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
		-VACUOLATION, HEPATOCELLULAR,-MINIMAL
		KIDNEY (KD) :
		-MINERALIZATION, PELVIC,-SLIGHT
		SPLEEN (SP) :
		-PIGMENT, INCREASED,-MODERATELY SEVERE
		PANCREAS (PA) :
		-ZYMOGEN GRANULES, DECREASED,-SLIGHT
		ADRENAL, CORTEX (AC) :
		-ANGIECTASIS,-SLIGHT
		-PIGMENT,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93106 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/09/00 STUDY DAY OF DEATH: 661 STUDY WEEK OF DEATH: 95 TERMINAL BODY WEIGHT: 410.2 GRAMS
DATE AND TIME OF NECROPSY: 02/09/00 11:36 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE HEART (HT) : -CARDIOMYOPATHY,-SLIGHT
	PITUITARY (PI) : -MASS(ES); 10 X 8 X 7 MM, DARK RED, GRAY AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) : -HYPERPLASIA, GLANDULAR,-MODERATE
	VAGINA (VA) : -SEMIFLUID MATERIAL; WITHIN LUMEN: SMALL AMOUNT OF LIGHT GREEN SEMIFLUID	VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-MODERATE
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -TAIL - BENT/MISSING; TIP: MISSING; REMAINING PORTION COLLECTED -DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93106 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/09/00 STUDY DAY OF DEATH: 661 STUDY WEEK OF DEATH: 95 TERMINAL BODY WEIGHT: 410.2 GRAMS
DATE AND TIME OF NECROPSY: 02/09/00 11:36 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93107 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 441.4 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 13:20 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; MISSING; TEETH; VERIFIED AT NECROPSY: NOT OBSERVED >MASS(ES); VENTRAL-CERVICAL-RIGHT; WEEK 81; 70 X 80MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -NECROSIS, COAGULATIVE,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); LEFT ANTERIOR ASPECT: SINGLE DARK RED FOCUS, 2 MM IN DIAMETER	PITUITARY (PI) : -HYPERPLASIA,-MODERATELY SEVERE
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT VENTRAL CERVICAL REGION: SINGLE MASS, 80 X 60 X 40 MM, TAN, RED, DARK RED AND SOFT; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (MANDIBULAR) NORMAL; COLLECTED	MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,-NEOPLASM PRESENT -HYPERPLASIA, GLANDULAR,-MODERATE
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93107 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 441.4 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 13:20 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-BONE MARROW SMEAR TAKEN
-MALOCCLUSION; RIGHT UPPER INCISOR
-TEETH MISSING/BROKEN/WORN; LEFT UPPER INCISOR, BROKEN AT BASE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
KIDNEY (KD), PANCREAS (PA), LUNG (LU), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93108 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/18/99 STUDY DAY OF DEATH: 364 STUDY WEEK OF DEATH: 52 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/18/99 14:55 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

ADRENAL, CORTEX (AC) :
-MASS(ES); INVOLVING ENTIRE RIGHT ADRENAL, SURROUNDING RIGHT KIDNEY: SINGLE MASS, 20 MM IN DIAMETER, DARK RED AND SOFT; CUT SURFACE EXUDES A DARK RED FLUID; COLLECTED; REGIONAL LN (RENAL) NOT IDENTIFIED

HISTOPATHOLOGY

KIDNEY (KD) :
-MINERALIZATION, TUBULAR,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
ADRENAL, CORTEX (AC) :
-HEMORRHAGE,-PRESENT
ADRENAL, MEDULLA (MA) :
-UNILATERALLY EXAMINED,-PRESENT
MARROW, FEMUR (FM) :
-HYPOCELLULAR, MARROW,-SLIGHT
THYMUS (TH) :
-HEMORRHAGE,-PRESENT
DUODENUM (DU) :
>AUTOLYTIC
JEJUNUM (JE) :
>AUTOLYTIC
ILEUM (IL) :
>AUTOLYTIC
CECUM (CE) :
>AUTOLYTIC

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93108 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/18/99 STUDY DAY OF DEATH: 364 STUDY WEEK OF DEATH: 52 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/18/99 14:55 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		UTERUS (UT) : -DILATATION,-MODERATE CAUSE OF DEATH (CD) : -HEMORRHAGE,-PRESENT

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LIVER (LI), PANCREAS (PA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93109 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 259.1 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 9:38 PROSECTOR: JODI THIEREN RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0478	.0184 %	.0236	WEIGHT TAKEN
RT ADRENAL (AD1)	.0379	.0146 %	.0187	WEIGHT TAKEN
BRAIN (BR)	2.0285	.7829 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.1768	.4542 %	.5801	WEIGHT TAKEN
RT KIDNEY (KD1)	1.2596	.4861 %	.6210	WEIGHT TAKEN
LIVER (LI)	10.0793	3.8901 %	4.9688	WEIGHT TAKEN
LUNG (LU)	1.3962	.5389 %	.6883	WEIGHT TAKEN
LF OVARY (OV0)	.0846	.0327 %	.0417	WEIGHT TAKEN
RT OVARY (OV1)	.1074	.0415 %	.0529	WEIGHT TAKEN
SPLEEN (SP)	.5017	.1936 %	.2473	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0087	.0034 %	.0043	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0101	.0039 %	.0050	WEIGHT TAKEN
UTERUS (UT)	.8250	.3184 %	.4067	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR,
CENTRILOBULAR POLYKARYOCYTOSIS
OCCASIONALLY NOTED,-MINIMAL
-VACUOLATION, HEPATOCELLULAR,
PERIPORTAL,-MINIMAL
KIDNEY (KD) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93109 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 259.1 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 9:38 PROSECTOR: JODI THIEREN RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS | NECROPSY | HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93110 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/09/00 STUDY DAY OF DEATH: 630 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: 330.6 GRAMS
DATE AND TIME OF NECROPSY: 01/09/00 9:45 PROSECTOR: DONIA MEYER RECORDER: DONIA MEYER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 90; 20 X 20MM; VERIFIED AT NECROPSY: OBSERVED		EYE (EY) : -DYSTROPHY, CORNEAL IN EARLY STAGES, CONSISTS PRIMARILY OF FOCAL MINERALIZATION,-MINIMAL -INFLAMMATION, ACUTE,-SLIGHT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : >UNREMARKABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) : -MOTTLED; ALL LOBES: DARK RED AND TAN	LIVER (LI) : -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SEVERE -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL
>EYES; RED DISCHARGE; EYE-LEFT; VERIFIED AT NECROPSY: OBSERVED		
>EXCRETION; NONFORMED FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	KIDNEY (KD) : -GRANULAR MATERIAL; BILATERAL, WITHIN PELVIS: MULTIPLE TAN GRANULES, 1 MM IN DIAMETER -ROUGH SURFACE, DIFFUSE; BILATERAL -MOTTLED; BILATERAL: DARK RED AND TAN	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SEVERE -MINERALIZATION, PELVIC,-SLIGHT
		SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT
		ADRENAL, CORTEX (AC) : -VACUOLATION, FOCAL,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93110 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/09/00 STUDY DAY OF DEATH: 630 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: 330.6 GRAMS
DATE AND TIME OF NECROPSY: 01/09/00 9:45 PROSECTOR: DONIA MEYER RECORDER: DONIA MEYER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-MINIMAL -DEGENERATION, CYSTIC / HEMORRHAGIC,-SLIGHT
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE
		HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 7 X 5 X 4 MM, DARK RED, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		SALIV GL, MANDIB (SG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN FOCI, UP TO 2 MM IN DIAMETER	STOMACH, GL (ST) : >UNREMARKABLE
		DUODENUM (DU) : -INFLAMMATION, VASCULAR,-SLIGHT
		SKIN (SK) : -B-LIPOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 30 X 20 X 10 MM, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (SEE AXILLARY)	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT >NOTE:>SEE SKIN FOR DIAGNOSIS

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93110 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/09/00 STUDY DAY OF DEATH: 630 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: 330.6 GRAMS
DATE AND TIME OF NECROPSY: 01/09/00 9:45 PROSECTOR: DONIA MEYER RECORDER: DONIA MEYER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	VAGINA (VA) : -SEMIFLUID MATERIAL; WITHIN VAGINA: LARGE AMOUNT OF GREEN SEMIFLUID	VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT
		CAUSE OF DEATH (CD) : -NEPHROPATHY,-PRESENT
	LN, AXILLARY (AX) : -MOTTLED; BILATERAL: DARK RED AND TAN (CAP 21)	LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MINIMAL -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY RED MATERIAL -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93110 SEX: FEMALE DOSE GROUP: 4 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/09/00 STUDY DAY OF DEATH: 630 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: 330.6 GRAMS
DATE AND TIME OF NECROPSY: 01/09/00 9:45 PROSECTOR: DONIA MEYER RECORDER: DONIA MEYER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), LN, MEDIASTINAL (ML), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), STOMACH, NONGL (SU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93111 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 287.5 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 11:01 PROSECTOR: STEVE VAN ADESTINE RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0325	.0113 %	.0143	WEIGHT TAKEN
RT ADRENAL (AD1)	.0326	.0113 %	.0144	WEIGHT TAKEN
BRAIN (BR)	2.2661	.7882 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.1506	.4002 %	.5077	WEIGHT TAKEN
RT KIDNEY (KD1)	1.1943	.4154 %	.5270	WEIGHT TAKEN
LIVER (LI)	10.8555	3.7758 %	4.7904	WEIGHT TAKEN
LUNG (LU)	1.4316	.4979 %	.6317	WEIGHT TAKEN
LF OVARY (OV0)	.0693	.0241 %	.0306	WEIGHT TAKEN
RT OVARY (OV1)	.0788	.0274 %	.0348	WEIGHT TAKEN
SPLEEN (SP)	.4755	.1654 %	.2098	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0096	.0033 %	.0042	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0113	.0039 %	.0050	WEIGHT TAKEN
UTERUS (UT)	.4887	.1700 %	.2157	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR,
CENTRILOBULAR POLYKARYOCYTOSIS
OCCASIONALLY NOTED,-MINIMAL
-NECROSIS, INDIVIDUAL HEPATOCYTE,-
MINIMAL
-VACUOLATION, HEPATOCELLULAR, MIDZONAL
/ CENTRILOBULAR,-SLIGHT
SPLEEN (SP) :
-PIGMENT, INCREASED,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93111 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 287.5 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 11:01 PROSECTOR: STEVE VAN ADESTINE RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS | NECROPSY | HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93112 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 341.7 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 9:15 PROSECTOR: TODD ACKER RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0342	.0100 %	.0153	WEIGHT TAKEN
RT ADRENAL (AD1)	.0328	.0096 %	.0147	WEIGHT TAKEN
BRAIN (BR)	2.2296	.6525 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.5592	.4563 %	.6993	WEIGHT TAKEN
RT KIDNEY (KD1)	1.6358	.4787 %	.7337	WEIGHT TAKEN
LIVER (LI)	16.7616	4.9054 %	7.5178	WEIGHT TAKEN
LUNG (LU)	1.5802	.4625 %	.7087	WEIGHT TAKEN
LF OVARY (OV0)	.0394	.0115 %	.0177	WEIGHT TAKEN
RT OVARY (OV1)	.0495	.0145 %	.0222	WEIGHT TAKEN
SPLEEN (SP)	.4772	.1397 %	.2140	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0095	.0028 %	.0043	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0089	.0026 %	.0040	WEIGHT TAKEN
UTERUS (UT)	.8851	.2590 %	.3970	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MODERATE
-HYPERPLASIA, BILE DUCT,-MINIMAL
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
-CYST, BILIARY,-PRESENT
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT
-MINERALIZATION, TUBULAR,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93112 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 341.7 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 9:15 PROSECTOR: TODD ACKER RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE PANCREAS (PA) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL -ATROPHY, ACINAR,-MINIMAL ADRENAL, CORTEX (AC) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL -HYPERTROPHY, CORTICAL CELL,-MINIMAL MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,-MINIMAL MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-SLIGHT THYMUS (TH) : -CYST,-PRESENT LUNG (LU) : -HEMORRHAGE,-PRESENT -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
	PITUITARY (PI) : -RAISED AREA(S); MID ASPECT: SINGLE RED AREA, 2 MM IN DIAMETER	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT -HYPERPLASIA,-MINIMAL
		MAMMARY, FEMALE (MF) : -SECRETORY MATERIAL,-PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93112 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 341.7 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 9:15 PROSECTOR: TODD ACKER RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93113 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 544.8 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 10:50 PROSECTOR: JERALD W. JOHNSON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 103; 20 X 20MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 6 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	BRAIN (BR) : >UNREMARKABLE LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MODERATE -GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-SLIGHT -PIGMENT, HEPATOCELLULAR, CENTRILOBULAR,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MODERATELY SEVERE -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL LIVER-OIL RED O (LI0) : -VACUOLES, OIL RED O-POSITIVE, HEPATOCELLULAR,-MODERATE KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-SLIGHT SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93113 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 544.8 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 10:50 PROSECTOR: JERALD W. JOHNSON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-MINIMAL
	ADRENAL, CORTEX (AC) : -MOTTLED; BILATERAL: TAN AND DARK BROWN	ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-MODERATELY SEVERE -DEGENERATION, CYSTIC / HEMORRHAGIC,-SLIGHT -PIGMENT,-SLIGHT
	OVARY (OV) : -CYST(S); LEFT: SINGLE CLEAR FLUID FILLED CYST, 5 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT -HYPERPLASIA, GRANULOSA CELL,-MODERATELY SEVERE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-MINIMAL THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -LARGE; 7 X 7 X 5 MM; APPEARS SWOLLEN	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93113 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 544.8 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 10:50 PROSECTOR: JERALD W. JOHNSON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PITUITARY (PI) : -HYPERPLASIA,-SLIGHT -CYST,-PRESENT HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-SLIGHT
	MAMMARY, FEMALE (MF) : -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION; POSSIBLY CONSISTENT WITH MASS (VENTRAL ABDOMINAL LEFT) NOTED IN CLINICAL OBSERVATIONS -CYST(S); LEFT INGUINAL REGION: SINGLE TAN FLUID FILLED CYST, 5 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT
		URINARY BLADDER (UB) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-SLIGHT CERVIX (CV) : -HYPERPLASIA, MUCINOUS,-MINIMAL VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-MODERATELY SEVERE CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93113 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 544.8 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 10:50 PROSECTOR: JERALD W. JOHNSON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-ANIMAL OBESE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93114 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 205.4 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 9:20 PROSECTOR: LYNN HORNER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LF KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	7.8332	3.8144 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LF OVARY (OV0)	--------	--------	--------	NOT TAKEN
RT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93114 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 205.4 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 9:20 PROSECTOR: LYNN HORNER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93115 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 470.4 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 10:41 PROSECTOR: CHANESTA ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LIVER (LI) : -LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN AREAS, UP TO 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT -GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-MINIMAL -PIGMENT, HEPATOCELLULAR, CENTRILOBULAR,-MINIMAL -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MODERATE -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-MINIMAL -MINERALIZATION, TUBULAR,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93115 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 470.4 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 10:41 PROSECTOR: CHANESTA ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT
	ADRENAL, CORTEX (AC) : -LARGE; BILATERAL: LEFT IS 7 X 6 X 5 MM, RIGHT IS 5 X 5 X 4 MM	ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATE -HYPERTROPHY, CORTICAL CELL,-MINIMAL -DEGENERATION, CYSTIC / HEMORRHAGIC,-MINIMAL -PIGMENT,-SLIGHT
		ADRENAL, MEDULLA (MA) : -HYPERPLASIA, MEDULLARY,-MINIMAL -B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT
	OVARY (OV) : -LARGE; LEFT: 10 X 6 X 4 MM (RIGHT IS 6 X 5 X 3 MM)	OVARY (OV) : -HYPERPLASIA, GRANULOSA CELL,-MODERATELY SEVERE
		MARROW, FEMUR (FM) : -HYPOCELLULAR, MARROW,-SLIGHT
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT
		LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL
		HEART (HT) : -CARDIOMYOPATHY,-SLIGHT
		PARATHYROID (PT) : -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93115 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 470.4 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 10:41 PROSECTOR: CHANESTA ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 12 X 9 X 5 MM, DARK RED, TAN, AND SOFT MAMMARY, FEMALE (MF) : -THICKENED; ALL REGIONS DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-SLIGHT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93115 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 470.4 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 10:41 PROSECTOR: CHANESTA ACKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93116 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 288.9 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 11:22 PROSECTOR: NANCY DIEDRICH RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0353	.0122 %	.0165	WEIGHT TAKEN
RT ADRENAL (AD1)	.0364	.0126 %	.0171	WEIGHT TAKEN
BRAIN (BR)	2.1339	.7386 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.4382	.4978 %	.6740	WEIGHT TAKEN
RT KIDNEY (KD1)	1.4407	.4987 %	.6751	WEIGHT TAKEN
LIVER (LI)	13.8981	4.8107 %	6.5130	WEIGHT TAKEN
LUNG (LU)	1.4611	.5057 %	.6847	WEIGHT TAKEN
LF OVARY (OV0)	.0612	.0212 %	.0287	WEIGHT TAKEN
RT OVARY (OV1)	.0620	.0215 %	.0291	WEIGHT TAKEN
SPLEEN (SP)	.4803	.1663 %	.2251	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0085	.0029 %	.0040	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0104	.0036 %	.0049	WEIGHT TAKEN
UTERUS (UT)	1.2623	.4369 %	.5915	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR,
CENTRILOBULAR POLYKARYOCYTOSIS
OCCASIONALLY NOTED,-MODERATE
-INFILTRATE, MACROPHAGE, PIGMENTED,-
MINIMAL
KIDNEY (KD) :
-MINERALIZATION, PELVIC,-MINIMAL
-PIGMENT, TUBULAR,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93116 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 288.9 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 11:22 PROSECTOR: NANCY DIEDRICH RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC / HEMORRHAGIC,-SLIGHT LUNG (LU) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL MAMMARY, FEMALE (MF) : -SECRETORY MATERIAL,-PRESENT
	URINARY BLADDER (UB) : >NOTE:>TRIMMING COMMENT: URINARY BLADDER NOT FOUND AT TIME OF TRIMMING	URINARY BLADDER (UB) : >TISSUE MISSING
	VAGINA (VA) : >NOTE:>TRIMMING COMMENT: VAGINA NOT FOUND AT TIME OF TRIMMING	VAGINA (VA) : >TISSUE MISSING
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93116 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 288.9 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 11:22 PROSECTOR: NANCY DIEDRICH RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93117 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 390.9 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 11:04 PROSECTOR: TODD ACKER RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0325	.0083 %	.0143	WEIGHT TAKEN
RT ADRENAL (AD1)	.0369	.0094 %	.0162	WEIGHT TAKEN
BRAIN (BR)	2.2739	.5817 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.5504	.3966 %	.6818	WEIGHT TAKEN
RT KIDNEY (KD1)	1.4994	.3836 %	.6594	WEIGHT TAKEN
LIVER (LI)	16.3241	4.1760 %	7.1789	WEIGHT TAKEN
LUNG (LU)	1.6859	.4313 %	.7414	WEIGHT TAKEN
LF OVARY (OV0)	.0392	.0100 %	.0172	WEIGHT TAKEN
RT OVARY (OV1)	.0484	.0124 %	.0213	WEIGHT TAKEN
SPLEEN (SP)	.7833	.2004 %	.3445	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0150	.0038 %	.0066	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0061	.0016 %	.0027	WEIGHT TAKEN
UTERUS (UT)	1.0597	.2711 %	.4660	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR,
CENTRILOBULAR POLYKARYOCYTOSIS
OCCASIONALLY NOTED,-MODERATE
-VACUOLATION, HEPATOCELLULAR,
PERIPORTAL,-MINIMAL
KIDNEY (KD) :
-MINERALIZATION, TUBULAR,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93117 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 390.9 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 11:04 PROSECTOR: TODD ACKER RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL MARROW, FEMUR (FM) : -HYPOCELLULAR, MARROW,-SLIGHT LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT
	PITUITARY (PI) : -LARGE; 6 X 5 X 3 MM; APPEARS SWOLLEN	PITUITARY (PI) : -HYPERPLASIA,-MODERATELY SEVERE -ANGIECTASIS,-PRESENT
		MAMMARY, FEMALE (MF) : -HYPERPLASIA, GLANDULAR,-MINIMAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93117 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 390.9 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 11:04 PROSECTOR: TODD ACKER RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93118 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/24/00 STUDY DAY OF DEATH: 645 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 387.8 GRAMS
DATE AND TIME OF NECROPSY: 01/24/00 13:49 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 49; 90 X 90MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: NOT OBSERVED		LIVER (LI) :
		-INFILTRATE, LYMPHOHISTIOCYTIC,-MODERATE
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED		-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT
>APPEARANCE; MISSING; TEETH; VERIFIED AT NECROPSY: OBSERVED		-GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-SLIGHT
>SKIN & PELAGE; SORE/SCAB; VENTRAL-ABDOMINAL-LEFT; VERIFIED AT NECROPSY: OBSERVED		-PIGMENT, HEPATOCELLULAR, CENTRILOBULAR,-SLIGHT
		-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-SLIGHT
		-DEGENERATION, CYSTIC,-MINIMAL
		-INFLAMMATION, SUBACUTE,-MINIMAL
		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
		-MINERALIZATION, PELVIC,-MINIMAL
		-MINERALIZATION, TUBULAR,-MINIMAL
	SPLEEN (SP) :	SPLEEN (SP) :
	-LARGE; 60 X 15 X 10 MM	-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93118 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/24/00 STUDY DAY OF DEATH: 645 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 387.8 GRAMS
DATE AND TIME OF NECROPSY: 01/24/00 13:49 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-SLIGHT ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-MODERATELY SEVERE -HYPERPLASIA, CORTICAL,-MINIMAL ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,-SEVERE MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-SEVERE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT
	LUNG (LU) : -LIGHT FOCUS(I)/AREA(S); TRIMMING COMMENT: ALL LOBES: MULTIPLE TAN AREAS, UP TO 4 X 3 MM	LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 11 X 6 X 4 MM, RED, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT MAMMARY, FEMALE (MF) : -M-CARCINOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93118 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/24/00 STUDY DAY OF DEATH: 645 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 387.8 GRAMS
DATE AND TIME OF NECROPSY: 01/24/00 13:49 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT INGUINAL REGION EXTENDING LATERALLY TO LEFT INGUINAL REGION: MULTIPLE MASSES, UP TO 60 X 30 X 25 MM, ALL ARE RED, TAN, GREEN, LOBULATED AND FIRM; SAME ON ALL CUT SURFACES, ALL COLLECTED INTACT; OVERLYING SKIN HAS A SINGLE MOIST RED ULCERATED AREA, 10 MM IN DIAMETER; COLLECTED INTACT WITH MASSES; REGIONAL LN (INGUINAL) NOT IDENTIFIED	CAUSE OF DEATH (CD) : -NEOPLASM, MAMMARY GLAND,-PRESENT
	LN, MANDIBULAR (MN) : -LARGE; BILATERAL: EACH IS 9 X 6 X 3 MM; COLLECTED	LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -TEETH MISSING/BROKEN/WORN; MISSING, BILATERAL UPPER INCISORS -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93118 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/24/00 STUDY DAY OF DEATH: 645 STUDY WEEK OF DEATH: 93 TERMINAL BODY WEIGHT: 387.8 GRAMS
DATE AND TIME OF NECROPSY: 01/24/00 13:49 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93119 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/17/00 STUDY DAY OF DEATH: 638 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: 260.4 GRAMS
DATE AND TIME OF NECROPSY: 01/17/00 15:17 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED		EYE (EY) : -INFLAMMATION, ACUTE,-SLIGHT
>SKIN & PELAGE; SORE/SCAB; SHOULDER-RIGHT; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MODERATE -GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-MODERATE -PIGMENT, HEPATOCELLULAR, CENTRILOBULAR,-SLIGHT -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
>SKIN & PELAGE; SORE/SCAB; DORSAL; VERIFIED AT NECROPSY: OBSERVED		SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE
	ADRENAL, CORTEX (AC) : -LARGE; RIGHT: 7 MM IN DIAMETER (LEFT IS 4 MM IN DIAMETER)	ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-MODERATE -DEGENERATION, CYSTIC / HEMORRHAGIC,-SEVERE -PIGMENT,-SLIGHT
		MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93119 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/17/00 STUDY DAY OF DEATH: 638 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: 260.4 GRAMS
DATE AND TIME OF NECROPSY: 01/17/00 15:17 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-MODERATE
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT
	LUNG (LU) : -LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN AREAS, UP TO 10 MM IN DIAMETER	LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL -INFILTRATE, MACROPHAGE, ALVEOLAR,-MODERATE
	PITUITARY (PI) : -MASS(ES); 10 X 8 X 5 MM, DARK RED AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
	SKIN (SK) : -ABRASION(S)/ULCERATION(S); RIGHT SHOULDER REGION: MULTIPLE DRY BROWN ABRADED AREAS, UP TO 2 MM IN DIAMETER (CAP 22) -CRUSTED AREA(S); MID DORSAL CERVICAL REGION: MULTIPLE DRY BROWN CRUSTED AREAS, UP TO 2 MM IN DIAMETER (CAP 21)	SKIN (SK) : -INFLAMMATION, CHRONIC,-MODERATE
		MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT
	VAGINA (VA) : -SEMIFLUID MATERIAL; WITHIN LUMEN: GREEN MUCOID MATERIAL	VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT -HYPERPLASIA, MUCINOUS,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93119 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/17/00 STUDY DAY OF DEATH: 638 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: 260.4 GRAMS
DATE AND TIME OF NECROPSY: 01/17/00 15:17 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL -LARGE; BILATERAL: EACH IS 10 X 5 X 3 MM; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL, UPPER INCISORS -DISCHARGE-OCULAR; BILATERAL: DRY RED MATERIAL -ANIMAL THIN	LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATELY SEVERE -HEMORRHAGE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93119 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/17/00 STUDY DAY OF DEATH: 638 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: 260.4 GRAMS
DATE AND TIME OF NECROPSY: 01/17/00 15:17 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
KIDNEY (KD), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93120 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 285.3 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 9:15 PROSECTOR: GREGORY CODDINGTON RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0343	.0120 %	.0164	WEIGHT TAKEN
RT ADRENAL (AD1)	.0334	.0117 %	.0160	WEIGHT TAKEN
BRAIN (BR)	2.0929	.7336 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.2810	.4490 %	.6121	WEIGHT TAKEN
RT KIDNEY (KD1)	1.2307	.4314 %	.5880	WEIGHT TAKEN
LIVER (LI)	12.5676	4.4050 %	6.0049	WEIGHT TAKEN
LUNG (LU)	1.6572	.5809 %	.7918	WEIGHT TAKEN
LF OVARY (OV0)	.0448	.0157 %	.0214	WEIGHT TAKEN
RT OVARY (OV1)	.0377	.0132 %	.0180	WEIGHT TAKEN
SPLEEN (SP)	.4264	.1495 %	.2037	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0083	.0029 %	.0040	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0103	.0036 %	.0049	WEIGHT TAKEN
UTERUS (UT)	1.3539	.4746 %	.6469	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR,
CENTRILOBULAR POLYKARYOCYTOSIS
OCCASIONALLY NOTED,-MODERATE
-PIGMENT, HEPATOCELLULAR,
CENTRILOBULAR,-MINIMAL
-HYPERPLASIA, BILE DUCT,-MINIMAL
-INFILTRATE, MACROPHAGE, PIGMENTED,-
MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93120 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 285.3 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 9:15 PROSECTOR: GREGORY CODDINGTON RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MINIMAL ADRENAL, CORTEX (AC) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
	LUNG (LU) : -LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN AREAS, UP TO 3 X 2 MM PITUITARY (PI) : -RED FOCUS(I)/AREA(S); RIGHT ASPECT: SINGLE DARK RED FOCUS, 1 MM IN DIAMETER	LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT PITUITARY (PI) : -HYPERPLASIA,-MODERATE -ANGIECTASIS,-PRESENT
		MAMMARY, FEMALE (MF) : -SECRETORY MATERIAL,-PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93120 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 285.3 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 9:15 PROSECTOR: GREGORY CODDINGTON RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93121 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/20/99 STUDY DAY OF DEATH: 549 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 158.0 GRAMS
DATE AND TIME OF NECROPSY: 10/20/99 7:40 PROSECTOR: JARED FISHEL RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE	-COMPRESSED (HYPOTHALAMUS)	-DILATATION, VENTRICULAR,-PRESENT
>APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE		-COMPRESSION, VENTRAL,-PRESENT
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) :
>APPEARANCE; TREMORS; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE		-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT
>BEHAVIOR; COLD TO TOUCH; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE		-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
		-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
		-MINERALIZATION, PELVIC,-MINIMAL
		-PIGMENT, TUBULAR,-MINIMAL
		SPLEEN (SP) :
		-PIGMENT, INCREASED,-MODERATE
		PANCREAS (PA) :
		-ZYMOGEN GRANULES, DECREASED,-SLIGHT
		ADRENAL, CORTEX (AC) :
		-PIGMENT,-MINIMAL
	MARROW, STERNUM (SE) :	MARROW, STERNUM (SE) :
	>NOTE:>TRIMMING COMMENT: MISSING FROM WET TISSUE	>TISSUE MISSING

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93121 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/20/99 STUDY DAY OF DEATH: 549 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 158.0 GRAMS
DATE AND TIME OF NECROPSY: 10/20/99 7:40 PROSECTOR: JARED FISHEL RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	BONE, STERNUM (SB) : >NOTE:>TRIMMING COMMENT: MISSING FROM WET TISSUE	BONE, STERNUM (SB) : >TISSUE MISSING
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT
		LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL
	MUSCLE, SKELETAL (SM) : -ATROPHY-DIFFUSE; COLLECTED ON ROUTINE SECTION	MUSCLE, SKELETAL (SM) : -ATROPHY,-MINIMAL
		THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 12 X 9 X 8 MM, RED, DARK RED, GRAY, SOFT AND LOBULATED	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN AREAS, UP TO 8 X 2 MM	STOMACH, GL (ST) : -EROSION,-MINIMAL
		RECTUM (RE) : -PARASITISM,-PRESENT
		MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93121 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/20/99 STUDY DAY OF DEATH: 549 STUDY WEEK OF DEATH: 79 TERMINAL BODY WEIGHT: 158.0 GRAMS
DATE AND TIME OF NECROPSY: 10/20/99 7:40 PROSECTOR: JARED FISHEL RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-ANIMAL THIN
-GI TRACT-DARK FLUID CONTENT; JEJUNUM:
DARK GREEN SEMIFLUID

HISTOPATHOLOGY

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), SPINAL CORD (SC), HEART (HT), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93122 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/21/00 STUDY DAY OF DEATH: 642 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: 367.8 GRAMS
DATE AND TIME OF NECROPSY: 01/21/00 14:33 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 67; 60 X 40MM; VERIFIED AT NECROPSY: NOT OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 71; 40 X 40MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) :
		-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT
>MASS(ES); INGUINAL REGION-RIGHT; WEEK 72; 20 X 15MM; VERIFIED AT NECROPSY: OBSERVED		-GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-MINIMAL
		-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL
>MASS(ES); INGUINAL REGION-RIGHT; WEEK 78; 20 X 20MM ANTERIOR TO OTHER MASS; VERIFIED AT NECROPSY: OBSERVED	KIDNEY (KD) :	KIDNEY (KD) :
	>NOTE:>TRIMMING COMMENT: BILATERAL	-NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATELY SEVERE
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		-MINERALIZATION, PELVIC,-MODERATE
		-HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT
>EXCRETION; DISCOLORED FECES; YELLOW IN COLOR; VERIFIED AT NECROPSY: NOT APPLICABLE		PANCREAS (PA) :
		-ZYMOGEN GRANULES, DECREASED,-SEVERE
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
	-LARGE; RIGHT: 17 X 15 X 12 MM (LEFT IS 4 X 2 X 2 MM)	-HEMATOPOIESIS, EXTRAMEDULLARY,-MODERATE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		-DEGENERATION, CYSTIC / HEMORRHAGIC,-SEVERE
		-PIGMENT,-MODERATE
		-B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93122 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/21/00 STUDY DAY OF DEATH: 642 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: 367.8 GRAMS
DATE AND TIME OF NECROPSY: 01/21/00 14:33 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -DEGENERATION / NECROSIS, UNILATERAL,-SEVERE
		ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,- 2 NEOPLASMS PRESENT
	OVARY (OV) : -CYST(S); LEFT: SINGLE CLEAR FLUID FILLED CYST, 4 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT
		MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,-SLIGHT
		MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-MODERATELY SEVERE
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE
		LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL
		HEART (HT) : -CARDIOMYOPATHY,-SLIGHT
	PITUITARY (PI) : -MASS(ES); 9 X 7 X 6 MM, RED, TAN AND FIRM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		STOMACH, GL (ST) : -EROSION,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93122 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/21/00 STUDY DAY OF DEATH: 642 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: 367.8 GRAMS
DATE AND TIME OF NECROPSY: 01/21/00 14:33 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN LINEAR AREAS, UP TO 5 X 1 MM	
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT INGUINAL: SINGLE MASS, 60 X 40 X 32 MM, RED, TAN, LOBULATED AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (INGUINAL) NOT IDENTIFIED; POSSIBLY CONSISTENT WITH ALL MASSES (RIGHT INGUINAL) NOTED IN CLINICAL OBSERVATION -MASS #2; LEFT INGUINAL: SINGLE MASS, 55 X 32 X 22 MM, RED, TAN, LOBULATED AND FIRM; SAME ON CUT SURFACE (CAP 21); REGIONAL LN (INGUINAL) NOT IDENTIFIED; POSSIBLY CONSISTENT WITH MASS (VENTRAL ABDOMINAL LEFT) NOTED IN CLINICAL OBSERVATION	MAMMARY, FEMALE (MF) : -M-CARCINOMA,-NEOPLASM PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT >NOTE:>MASS #1 IS PRIMARILY A CARCINOMA, HOWEVER, THERE ARE ALSO AREAS OF FIBROADENOMA
	UTERUS (UT) : -CYST(S); LEFT, WITHIN WALL: SINGLE CLEAR FLUID FILLED CYST, 6 MM IN DIAMETER	UTERUS (UT) : -DILATATION,-SEVERE
		VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93122 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/21/00 STUDY DAY OF DEATH: 642 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: 367.8 GRAMS
DATE AND TIME OF NECROPSY: 01/21/00 14:33 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS | NECROPSY | HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-ANIMAL THIN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), LN, MESENTERIC (MS), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93123 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 198.8 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 8:25 PROSECTOR: LYNN HORNER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LF KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	8.0297	4.0391 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LF OVARY (OV0)	--------	--------	--------	NOT TAKEN
RT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93123 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 198.8 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 8:25 PROSECTOR: LYNN HORNER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93124 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 369.9 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 7:45 PROSECTOR: JAMES T. CALLEN RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 72; 70 X 60 MM; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; SORE/SCAB; VENTRAL-ABDOMINAL-LEFT; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 94; 30 X 30 MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); SHOULDER-LEFT; WEEK 95; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 71; 30 X 40 MM; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); VENTRAL-THORACIC-RIGHT; WEEK 97; 20 X 15MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); AXILLARY REGION-LEFT; WEEK 102; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT
-GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-SLIGHT
-PIGMENT, HEPATOCELLULAR, CENTRILOBULAR,-MODERATE
-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL
-NECROSIS, COAGULATIVE,-MINIMAL
LIVER-OIL RED O (LI0) :
-VACUOLES, OIL RED O-POSITIVE, HEPATOCELLULAR,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-MINERALIZATION, PELVIC,-MINIMAL
SPLEEN (SP) :
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATELY SEVERE
PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93124 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 369.9 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 7:45 PROSECTOR: JAMES T. CALLEN RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-CERVICAL-LEFT; WEEK 102; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED	OVARY (OV) : -CYST(S); BILATERAL: SINGLE CLEAR FLUID FILLED CYST ON EACH, LEFT IS 4 MM IN DIAMETER, RIGHT IS 3 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT
>SKIN & PELAGE; BLUE SKIN; VENTRAL-ABDOMINAL-LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE		MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,-MODERATELY SEVERE
>SKIN & PELAGE; SORE/SCAB; VENTRAL-ABDOMINAL-RIGHT; VERIFIED AT NECROPSY: OBSERVED		MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-MODERATELY SEVERE
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE
	LUNG (LU) : -LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN AREAS, UP TO 4 X 3 MM	LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MODERATE -INFILTRATE, LYMPHOHISTIOCYTIC,-SLIGHT
		HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 7 X 6 X 4 MM, RED, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) : -M-CARCINOMA,- 6 NEOPLASMS PRESENT -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT >NOTE:>MASSES 6 AND 7 ARE THE FIBROADENOMAS

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93124 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 369.9 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 7:45 PROSECTOR: JAMES T. CALLEN RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 23 X 16 X 11 MM, RED, TAN AND FIRM; SAME ON CUT SURFACE (CAP 22); REGIONAL LN (AXILLARY) NORMAL (CAP 24) -MASS #2; LEFT AXILLARY REGION, CAUDAL TO MASS #1: SINGLE MASS, 20 X 19 X 12 MM, TAN AND FIRM; SAME ON CUT SURFACE (CAP 23); REGIONAL LN (AXILLARY) NORMAL (CAP 24) -MASS #3; LEFT INGUINAL REGION: SINGLE MASS, 44 X 34 X 25 MM, TAN, RED, LOBULATED, VASCULAR AND FIRM; ON SECTION EXUDES A BROWN SEMIFLUID (CAP 28); REGIONAL LN (INGUINAL) NOT IDENTIFIED -MASS #4; RIGHT AXILLARY REGION: SINGLE MASS, 40 X 31 X 15 MM, RED, TAN, LOBULATED AND FIRM; SAME ON CUT SURFACE (CAP 27); REGIONAL LN (AXILLARY) NORMAL (CAP 24); OVERLYING SKIN HAS A MOIST RED ULCERATED AREA, 17 X 15 MM; COLLECTED INTACT WITH MASS -MASS #5; RIGHT AXILLARY REGION, CAUDAL TO MASS #4: SINGLE MASS, 34 X 25 X 15 MM, TAN, LOBULATED AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (AXILLARY) NORMAL (CAP 24)	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93124 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 369.9 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 7:45 PROSECTOR: JAMES T. CALLEN RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS #6; RIGHT INGUINAL REGION: SINGLE MASS, 75 X 65 X 34 MM, RED, DARK RED, TAN AND FIRM; SAME ON CUT SURFACE; PORTION COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED; OVERLYING SKIN HAS A SINGLE MOIST, RED ULCERATED AREA, 20 X 11 MM; COLLECTED INTACT WITH MASS -MASS #7; RIGHT INGUINAL REGION, CAUDAL TO MASS #6: SINGLE MASS, 21 X 15 X 12 MM; RED, TAN AND FIRM; SAME ON CUT SURFACE (CAP 25); REGIONAL LN (INGUINAL) NOT IDENTIFIED -MASS #8; RIGHT PERIANAL REGION: SINGLE MASS, 21 X 13 X 8 MM, TAN AND FIRM; SAME ON CUT SURFACE (CAP 26); REGIONAL LN (INGUINAL) NOT IDENTIFIED	
		UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-MINIMAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATELY SEVERE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93124 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 369.9 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 7:45 PROSECTOR: JAMES T. CALLEN RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-ANIMAL THIN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93125 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 267.5 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 9:40 PROSECTOR: DAVID SCHUETTE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LIVER (LI) : -DIFFUSELY DARK; ALL LOBES: DARK BROWN -LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN AREAS, UP TO 4 MM IN DIAMETER -MASS(ES); INVOLVING ENTIRE RIGHT LATERAL LOBE: SINGLE MASS, 35 X 25 X 15 MM, DARK BROWN AND SOFT; SAME ON CUT SURFACE (CAP 22); REGIONAL LN (HEPATIC) NORMAL (CAP 23)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-MINIMAL -PIGMENT, HEPATOCELLULAR, CENTRILOBULAR,-SLIGHT -VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MODERATE -NECROSIS, COAGULATIVE,-MINIMAL -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL -HYPERPLASIA, BILE DUCT,-MODERATE -FIBROSIS, PERIBILIARY,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-MODERATELY SEVERE -INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT -VACUOLATION, HEPATOCELLULAR,-SLIGHT -B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93125 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 267.5 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 9:40 PROSECTOR: DAVID SCHUETTE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LIVER-OIL RED O (LI0) : -VACUOLES, OIL RED O-POSITIVE, HEPATOCELLULAR,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-MODERATE SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE
	ADRENAL, CORTEX (AC) : -SMALL; LEFT: 4 X 2 X 1 MM (RIGHT IS 5 X 5 X 3 MM) -DIFFUSELY DARK; BILATERAL: DARK BROWN	ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-MODERATE -DEGENERATION, CYSTIC / HEMORRHAGIC,-MODERATE -PIGMENT,-MODERATE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-SLIGHT THYROID (TY) : -B-HIBERNOMA,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 7 X 7 X 4 MM, DARK RED AND SOFT MAMMARY, FEMALE (MF) : -THICKENED; ALL REGIONS DIFFUSE: TAN AND FIRM (CAP 24)	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93125 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 267.5 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 9:40 PROSECTOR: DAVID SCHUETTE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	CERVIX (CV) : -MASS(ES); INVOLVING ENTIRE CERVIX: SINGLE MASS, 23 X 17 X 17 MM, RED, TAN, AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (SEE LUMBAR)	CERVIX (CV) : -M-SARCOMA, STROMAL,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
		LN, OTHER (LN) : -HEMORRHAGE,-PRESENT -INFILTRATE, MACROPHAGE, PIGMENTED,-MODERATELY SEVERE >NOTE:>HEPATIC
	LN, LUMBAR/ILIAC (LM) : -DIFFUSELY RED; RIGHT: DARK RED (CAP 25)	LN, LUMBAR/ILIAC (LM) : -HEMORRHAGE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93125 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 267.5 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 9:40 PROSECTOR: DAVID SCHUETTE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93126 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/30/99 STUDY DAY OF DEATH: 406 STUDY WEEK OF DEATH: 58 TERMINAL BODY WEIGHT: 221.6 GRAMS
DATE AND TIME OF NECROPSY: 05/30/99 10:56 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; RECUMBENT; LATERAL; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; MODERATE; VERIFIED AT NECROPSY: NOT APPLICABLE
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED
>DISCHARGE; NASAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MODERATE
-GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-SLIGHT
-PIGMENT, HEPATOCELLULAR, CENTRILOBULAR,-MINIMAL
-HYPERPLASIA, BILE DUCT,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-MINERALIZATION, PELVIC,-SLIGHT
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
-INFLAMMATION, SUPPURATIVE, PELVIC,-MODERATE
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93126 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/30/99 STUDY DAY OF DEATH: 406 STUDY WEEK OF DEATH: 58 TERMINAL BODY WEIGHT: 221.6 GRAMS
DATE AND TIME OF NECROPSY: 05/30/99 10:56 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL
	PITUITARY (PI) : -MASS(ES); 12 X 11 X 9 MM, RED, GREY, TAN, LOBULATED AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -B-ADENOMA,-NEOPLASM PRESENT VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY, RED MATERIAL -ANIMAL THIN -DISCHARGE-NASAL; DRY, RED MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93126 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 05/30/99 STUDY DAY OF DEATH: 406 STUDY WEEK OF DEATH: 58 TERMINAL BODY WEIGHT: 221.6 GRAMS
DATE AND TIME OF NECROPSY: 05/30/99 10:56 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93127 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 236.6 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 11:41 PROSECTOR: DONIA MEYER RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0366	.0155 %	.0181	WEIGHT TAKEN
RT ADRENAL (AD1)	.0326	.0138 %	.0161	WEIGHT TAKEN
BRAIN (BR)	2.0193	.8535 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.2174	.5145 %	.6029	WEIGHT TAKEN
RT KIDNEY (KD1)	1.3144	.5555 %	.6509	WEIGHT TAKEN
LIVER (LI)	11.0447	4.6681 %	5.4696	WEIGHT TAKEN
LUNG (LU)	1.3204	.5581 %	.6539	WEIGHT TAKEN
LF OVARY (OV0)	.0707	.0299 %	.0350	WEIGHT TAKEN
RT OVARY (OV1)	.0676	.0286 %	.0335	WEIGHT TAKEN
SPLEEN (SP)	.4388	.1855 %	.2173	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0078	.0033 %	.0039	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0096	.0041 %	.0048	WEIGHT TAKEN
UTERUS (UT)	1.1344	.4795 %	.5618	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

UTERUS (UT) :
-LUMEN FILLED WITH FLUID; BILATERAL:
CLEAR FLUID

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR,
CENTRILOBULAR POLYKARYOCYTOSIS
OCCASIONALLY NOTED,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, MIDZONAL
/ CENTRILOBULAR,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
UTERUS (UT) :
>NOT REQUIRED TO BE EXAMINED FOR ANIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93127 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 236.6 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 11:41 PROSECTOR: DONIA MEYER RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93128 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/13/00 STUDY DAY OF DEATH: 694 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: 385.5 GRAMS
DATE AND TIME OF NECROPSY: 03/13/00 7:53 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>BEHAVIOR; HYPOACTIVE; VERIFIED AT
NECROPSY: NOT APPLICABLE
>EYES; RED DISCHARGE; EYES; VERIFIED AT
NECROPSY: OBSERVED
>RESPIRATION; LABORED; VERIFIED AT
NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-NECROSIS, INDIVIDUAL HEPATOCYTE,-
MINIMAL
-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL
-HYPERPLASIA, BILE DUCT,-SLIGHT
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-
SLIGHT
-MINERALIZATION, TUBULAR,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
-HEMATOPOIESIS, EXTRAMEDULLARY,
INCREASED,-SLIGHT
PANCREAS (PA) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
ADRENAL, CORTEX (AC) :
-HYPERPLASIA, CORTICAL,-SLIGHT
ADRENAL, MEDULLA (MA) :
-UNILATERALLY EXAMINED,-PRESENT
OVARY (OV) :
-CYST,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93128 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/13/00 STUDY DAY OF DEATH: 694 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: 385.5 GRAMS
DATE AND TIME OF NECROPSY: 03/13/00 7:53 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	OVARY (OV) : -CYST(S); BILATERAL: SINGLE CLEAR FLUID FILLED CYST ON EACH, BOTH ARE 1 MM IN DIAMETER	
	PITUITARY (PI) : -MASS(ES); 10 X 7 X 7 MM, DARK RED AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -HYPERPLASIA, GLANDULAR,-MODERATE
		CERVIX (CV) : -HYPERPLASIA, MUCINOUS,-SEVERE
		VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-SEVERE
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93128 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/13/00 STUDY DAY OF DEATH: 694 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: 385.5 GRAMS
DATE AND TIME OF NECROPSY: 03/13/00 7:53 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93129 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/13/00 STUDY DAY OF DEATH: 694 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: 296.0 GRAMS
DATE AND TIME OF NECROPSY: 03/13/00 8:18 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EYES; PROTRUDING; EYES; VERIFIED AT NECROPSY: NOT APPLICABLE >EYES; DILATED PUPIL; EYES; VERIFIED AT NECROPSY: NOT APPLICABLE >EYES; DISCOLORED/LIGHT RED; EYES; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) KIDNEY (KD) : -LARGE PELVIS(ES); BILATERAL	BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT -GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-SLIGHT -PIGMENT, HEPATOCELLULAR, CENTRILOBULAR,-SLIGHT -HYPERPLASIA, BILE DUCT,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -DILATATION, PELVIC,-SLIGHT -MINERALIZATION, PELVIC,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE ADRENAL, CORTEX (AC) : -PIGMENT,-SLIGHT -FIBROSIS,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93129 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/13/00 STUDY DAY OF DEATH: 694 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: 296.0 GRAMS
DATE AND TIME OF NECROPSY: 03/13/00 8:18 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL
		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL
		HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
		THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 11 X 10 X 7 MM, DARK RED, RED, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		JEJUNUM (JE) : >AUTOLYTIC
		ILEUM (IL) : >AUTOLYTIC
		MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -HYPERPLASIA, GLANDULAR,-MINIMAL
	UTERUS (UT) : -THICKENED WALL; BILATERAL, DIFFUSE	UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-MINIMAL
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93129 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/13/00 STUDY DAY OF DEATH: 694 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: 296.0 GRAMS
DATE AND TIME OF NECROPSY: 03/13/00 8:18 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93130 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 384.6 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 10:59 PROSECTOR: NANCY DIEDRICH RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0281	.0073 %	.0123	WEIGHT TAKEN
RT ADRENAL (AD1)	.0275	.0072 %	.0120	WEIGHT TAKEN
BRAIN (BR)	2.2869	.5946 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.3284	.3454 %	.5809	WEIGHT TAKEN
RT KIDNEY (KD1)	1.2841	.3339 %	.5615	WEIGHT TAKEN
LIVER (LI)	13.9723	3.6329 %	6.1097	WEIGHT TAKEN
LUNG (LU)	1.5891	.4132 %	.6949	WEIGHT TAKEN
LF OVARY (OV0)	.0615	.0160 %	.0269	WEIGHT TAKEN
RT OVARY (OV1)	.0384	.0100 %	.0168	WEIGHT TAKEN
SPLEEN (SP)	.7788	.2025 %	.3405	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0135	.0035 %	.0059	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0129	.0034 %	.0056	WEIGHT TAKEN
UTERUS (UT)	.5901	.1534 %	.2580	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
UNVERIFIED AT NECROPSY

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-PIGMENT, HEPATOCELLULAR, CENTRILOBULAR,-MINIMAL
-VACUOLATION, HEPATOCELLULAR,-MINIMAL
KIDNEY (KD) :
-MINERALIZATION, PELVIC,-MINIMAL
-MINERALIZATION, TUBULAR,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MINIMAL
PANCREAS (PA) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93130 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 384.6 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 10:59 PROSECTOR: NANCY DIEDRICH RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -NO MACROSCOPIC LESIONS -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93130 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 384.6 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 10:59 PROSECTOR: NANCY DIEDRICH RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93131 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/14/00 STUDY DAY OF DEATH: 666 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 344.2 GRAMS
DATE AND TIME OF NECROPSY: 02/14/00 14:17 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 58; 50 X 50MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 68; 40 X 40MM; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

LIVER (LI) :
-RAISED FOCUS(I)/AREA(S); ALONG MARGIN OF LEFT LATERAL LOBE: SINGLE DARK BROWN, SLIGHTLY RAISED FOCUS, 4 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MODERATE
-GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-SLIGHT
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MODERATE
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MODERATE
-HYPERPLASIA, BILE DUCT,-MINIMAL
-ANGIECTASIS,-SLIGHT
-B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-MINERALIZATION, PELVIC,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93131 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/14/00 STUDY DAY OF DEATH: 666 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 344.2 GRAMS
DATE AND TIME OF NECROPSY: 02/14/00 14:17 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-MODERATELY SEVERE -DEGENERATION, CYSTIC / HEMORRHAGIC,-MODERATELY SEVERE -PIGMENT,-SLIGHT THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT HEART (HT) : -CARDIOMYOPATHY,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 10 X 6 X 6 MM, DARK RED, DARK BROWN, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 50 X 45 X 30 MM, TAN, FIRM, AND VASCULAR; SOME AREAS EXUDE A WHITE CREAMY SEMIFLUID; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 21)	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93131 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/14/00 STUDY DAY OF DEATH: 666 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 344.2 GRAMS
DATE AND TIME OF NECROPSY: 02/14/00 14:17 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS #2; RIGHT INGUINAL REGION: SINGLE MASS, 70 X 55 X 35 MM, RED, TAN, VASCULAR, AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,- MODERATE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED MATERIAL -ANIMAL THIN -DISCHARGE-NASAL; BILATERAL: DARK RED MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93131 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/14/00 STUDY DAY OF DEATH: 666 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 344.2 GRAMS
DATE AND TIME OF NECROPSY: 02/14/00 14:17 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93132 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/17/00 STUDY DAY OF DEATH: 729 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 264.9 GRAMS
DATE AND TIME OF NECROPSY: 04/17/00 14:24 PROSECTOR: JODI THIEREN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>SKIN & PELAGE; SORE/SCAB; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); VENTRAL-ABDOMINAL; WEEK 97; 30 X 40MM; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

EYE (EY) :
-DYSTROPHY, CORNEAL IN EARLY STAGES, CONSISTS PRIMARILY OF FOCAL MINERALIZATION,-SLIGHT
-INFLAMMATION, ACUTE,-MINIMAL
BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT
-GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
-VACUOLATION, HEPATOCELLULAR,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93132 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/17/00 STUDY DAY OF DEATH: 729 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 264.9 GRAMS
DATE AND TIME OF NECROPSY: 04/17/00 14:24 PROSECTOR: JODI THIEREN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		KIDNEY (KD) : -MINERALIZATION, TUBULAR,-MODERATE
	SPLEEN (SP) : -SMALL; 13 X 5 X 3 MM	SPLEEN (SP) : >UNREMARKABLE
		PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-SEVERE -ATROPHY, ACINAR,-SLIGHT
		ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-SLIGHT -DEGENERATION, CYSTIC / HEMORRHAGIC,-SLIGHT -PIGMENT,-SLIGHT
		OVARY (OV) : -HYPERPLASIA, GRANULOSA CELL,-MODERATELY SEVERE
		THYMUS (TH) : >SECTION EXAMINED; TISSUE NOT PRESENT
		LUNG (LU) : -MINERALIZATION, SEPTAL,-SEVERE
		HEART (HT) : -CARDIOMYOPATHY,-SLIGHT -MINERALIZATION, VASCULAR,-SEVERE -MINERALIZATION,-MODERATE
	PITUITARY (PI) : -MASS(ES); 8 X 8 X 4 MM, RED, DARK RED, GREY, TAN, AND FIRM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		STOMACH, GL (ST) : -EROSION,-SLIGHT -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93132 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/17/00 STUDY DAY OF DEATH: 729 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 264.9 GRAMS
DATE AND TIME OF NECROPSY: 04/17/00 14:24 PROSECTOR: JODI THIEREN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK BROWN AREAS, UP TO 3 X 2 MM	STOMACH, GL (ST) : -HYPERPLASIA, EPITHELIAL, GLANDULAR,-MODERATE -MINERALIZATION, GLANDULAR MUCOSA,-MODERATE
	MAMMARY, FEMALE (MF) : -MASS(ES); PERIANAL REGION: SINGLE MASS, 35 X 35 X 28 MM, RED, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NORMAL (CAP 21); POSSIBLY CONSISTENT WITH MASS (VENTRAL ABDOMINAL) AS NOTED IN CLINICAL OBSERVATIONS	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -HYPERPLASIA, GLANDULAR,-MODERATELY SEVERE -B-ADENOMA,-NEOPLASM PRESENT
		UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-SLIGHT
	CERVIX (CV) : -LARGE; 10 MM IN DIAMETER	CERVIX (CV) : -HYPERPLASIA, STROMAL,-MODERATE
	VAGINA (VA) : -SEMIFLUID MATERIAL; WITHIN LUMEN: TAN MUCOID MATERIAL	VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT -HYPERPLASIA, MUCINOUS,-MODERATE
		CAUSE OF DEATH (CD) : -NEPHROPATHY,-PRESENT
	FOOT/FOOTPAD (FP) : -ABRASION(S)/ULCERATION(S); LEFT HINDFOOT: SINGLE DARK RED, MOIST ABRADED AREA, 3 MM IN DIAMETER; COLLECTED	FOOT/FOOTPAD (FP) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE -ACANTHOSIS / HYPERKERATOSIS,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93132 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/17/00 STUDY DAY OF DEATH: 729 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 264.9 GRAMS
DATE AND TIME OF NECROPSY: 04/17/00 14:24 PROSECTOR: JODI THIEREN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-ANIMAL THIN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), HEMATO NEOPLASIA (HN), LN, INGUINAL (IN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93133 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 399.6 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 8:08 PROSECTOR: TROY ELLENBECKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MODERATE -GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-SLIGHT -PIGMENT, HEPATOCELLULAR, CENTRILOBULAR,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,- MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-MINIMAL -PIGMENT,-SLIGHT ADRENAL, MEDULLA (MA) : -UNILATERALLY EXAMINED,-PRESENT MARROW, FEMUR (FM) : -HYPOCELLULAR, MARROW,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93133 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 399.6 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 8:08 PROSECTOR: TROY ELLENBECKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -LARGE; 7 X 6 X 4 MM; APPEARS SWOLLEN	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT ILEUM (IL) : -HYPERPLASIA, GALT (GUT ASSOCIATED LYMPHOID TISSUE),-MODERATE MAMMARY, FEMALE (MF) : -HYPERPLASIA, GLANDULAR,-SLIGHT UTERUS (UT) : -B-POLYP, ENDOMETRIAL, STROMAL,-NEOPLASM PRESENT VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93133 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 399.6 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 8:08 PROSECTOR: TROY ELLENBECKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93134 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 08/05/99 STUDY DAY OF DEATH: 473 STUDY WEEK OF DEATH: 68 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 08/05/99 8:22 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); SHOULDER-LEFT; WEEK 48; 100 X 100MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-SLIGHT -DEGENERATION / NECROSIS, CENTRILOBULAR,-SLIGHT KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL -INFLAMMATION, CHRONIC-ACTIVE, PELVIC,-SLIGHT SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT ADRENAL, CORTEX (AC) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL MARROW, FEMUR (FM) : -HYPERPLASIA, ERYTHROID, MARROW,-MODERATE MARROW, STERNUM (SE) : -HYPERPLASIA, ERYTHROID, MARROW,-MODERATE THYMUS (TH) : -HEMORRHAGE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93134 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 08/05/99 STUDY DAY OF DEATH: 473 STUDY WEEK OF DEATH: 68 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 08/05/99 8:22 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT -INFLAMMATION, VASCULAR,-SLIGHT PITUITARY (PI) : -HYPERPLASIA,-SLIGHT
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE BROWN AREAS, UP TO 3 X 2 MM MAMMARY, FEMALE (MF) : -MASS(ES); LEFT LATERAL THORACIC REGION: SINGLE MASS, 118 X 100 X 70 MM (379.6 GRAMS),RED, DARK RED, GRAY, TAN, LOBULATED, VASCULAR AND FIRM; SAME ON CUT SURFACE; PORTION COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 20)	STOMACH, GL (ST) : >UNREMARKABLE MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,-NEOPLASM PRESENT
		URINARY BLADDER (UB) : -HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE CAUSE OF DEATH (CD) : -NEOPLASM, MAMMARY GLAND,-PRESENT LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93134 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 08/05/99 STUDY DAY OF DEATH: 473 STUDY WEEK OF DEATH: 68 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 08/05/99 8:22 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93135 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 438.1 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 10:43 PROSECTOR: CHANESTA ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; MISSING; TEETH; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; SORE/SCAB; PAWS-HIND; VERIFIED AT NECROPSY: OBSERVED		EYE (EY) : -DYSTROPHY, CORNEAL IN EARLY STAGES, CONSISTS PRIMARILY OF FOCAL MINERALIZATION,-MINIMAL LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-SLIGHT -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MODERATE -GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-SLIGHT -PIGMENT, HEPATOCELLULAR, CENTRILOBULAR,-SLIGHT -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MODERATE -HEMATOPOIESIS, EXTRAMEDULLARY,-SLIGHT -HYPERPLASIA, BILE DUCT,-SLIGHT -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93135 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 438.1 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 10:43 PROSECTOR: CHANESTA ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LIVER-OIL RED O (LI0) : -VACUOLES, OIL RED O-POSITIVE, HEPATOCELLULAR,-MODERATE KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-SLIGHT
	ADRENAL, CORTEX (AC) : -LARGE; LEFT: 10 X 8 X 5 MM (RIGHT IS 5 X 4 X 2 MM)	ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SEVERE -PIGMENT,-SLIGHT MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,-MODERATE MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-SLIGHT THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93135 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 438.1 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 10:43 PROSECTOR: CHANESTA ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		HEART (HT) :
		-CARDIOMYOPATHY,-MINIMAL
	PITUITARY (PI) :	PITUITARY (PI) :
	-DARK FOCUS(I)/AREA(S); LEFT ANTERIOR ASPECT: SINGLE DARK RED AREA, 2 MM IN DIAMETER	-B-ADENOMA,-NEOPLASM PRESENT
		-HYPERPLASIA,-MINIMAL
		HARDERIAN GLAND (HG) :
		-INFILTRATE, LYMPHOHISTIOCYTIC,-SLIGHT
	MAMMARY, FEMALE (MF) :	MAMMARY, FEMALE (MF) :
	-CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE TAN CREAMY FLUID FILLED CYSTS, UP TO 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION	-CYST / GALACTOCELE,-PRESENT
		-HYPERPLASIA, GLANDULAR,-MINIMAL
	UTERUS (UT) :	UTERUS (UT) :
	-CYST(S); BILATERAL, WITHIN WALLS: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 3 MM IN DIAMETER	>UNREMARKABLE
		CAUSE OF DEATH (CD) :
		-SCHEDULED SACRIFICE,-PRESENT
	LN, MEDIASTINAL (ML) :	LN, MEDIASTINAL (ML) :
	-LARGE; UP TO 10 X 5 X 2 MM (CAP 23)	-HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE
	FOOT/FOOTPAD (FP) :	FOOT/FOOTPAD (FP) :
	-CRUSTED AREA(S); BILATERAL, HINDFEET: EACH HAS A SINGLE DARK RED, TAN, DRY CRUSTED AREA, LEFT IS 7 X 5 MM, RIGHT IS 4 X 2; BOTH COLLECTED	-INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE
		-ACANTHOSIS / HYPERKERATOSIS,-MODERATE
		-FIBROSIS,-MODERATELY SEVERE
	GENERAL COMMENT (GC) :	
	-BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93135 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 438.1 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 10:43 PROSECTOR: CHANESTA ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN -MALOCCLUSION; UPPER LEFT INCISOR -TEETH MISSING/BROKEN/WORN; UPPER RIGHT INCISOR, BROKEN AT BASE GENERAL INFORMATION (XX) : >NOTE:>ANIMAL IDENTIFICATION TRANSPONDER DAMAGED AT NECROPSY	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93135 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 438.1 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 10:43 PROSECTOR: CHANESTA ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
BRAIN (BR), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93136 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 05/09/99 STUDY DAY OF DEATH: 385 STUDY WEEK OF DEATH: 55 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 05/09/99 9:50 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -LARGE; ALL LOBES THICKENED, MARGINS ROUNDED -DIFFUSELY DARK; ALL LOBES: DARK BROWN -LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE, TAN, FIRM, SLIGHTLY INDISTINCT AREAS, UP TO 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS -MASS(ES); MARGIN OF LEFT LATERAL LOBE: SINGLE MASS, 5 MM IN DIAMETER, RED, SOFT, AND VASCULAR; SAME ON CUT SURFACE; COLLECTED ON ROUTINE SECTION; REGIONAL LN (SEE ANTERIOR MESENTERIC) -ROUGH SURFACE, DIFFUSE; ALL LOBES: ENTIRE LIVER HAS A LOBULATED APPEARANCE	LIVER (LI) : -FIBROSIS, PERIBILIARY,-SEVERE -DEGENERATION / NECROSIS, CENTRILOBULAR,-SLIGHT -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE -ECTASIA, BILE DUCT,-SEVERE -STASIS, BILE,-PRESENT
	KIDNEY (KD) : -DIFFUSELY DARK; BILATERAL: DARK BROWN	KIDNEY (KD) : -PIGMENT, TUBULAR,-SLIGHT -ECTASIA, TUBULAR,-MODERATE -CAST, PROTEINACEOUS,-MODERATE
	SPLEEN (SP) : -CYST(S); ALONG MARGIN: MULTIPLE RED FLUID FILLED CYSTS, UP TO 5 MM IN DIAMETER	SPLEEN (SP) : -CYST, SEROSAL,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93136 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 05/09/99 STUDY DAY OF DEATH: 385 STUDY WEEK OF DEATH: 55 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 05/09/99 9:50 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -VACUOLATION, FOCAL,-MINIMAL -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
	OVARY (OV) : -MASS(ES); LEFT, INVOLVING ENTIRE OVARY: SINGLE MASS, 20 MM IN DIAMETER, DARK RED AND SOFT; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (SEE RENAL)	OVARY (OV) : -HEMATOMA,-PRESENT
		THYMUS (TH) : -HEMORRHAGE,-PRESENT
	LUNG (LU) : -LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN FOCI, UP TO 1 MM IN DIAMETER	LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL -EDEMA, ALVEOLAR,-SLIGHT
		HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: SINGLE TAN, ERODED AREA, 2 MM IN DIAMETER	STOMACH, NONGL (SU) : >UNREMARKABLE
		JEJUNUM (JE) : >AUTOLYTIC
		ILEUM (IL) : >AUTOLYTIC
		CECUM (CE) : >AUTOLYTIC
		COLON (CO) : >AUTOLYTIC

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93136 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 05/09/99 STUDY DAY OF DEATH: 385 STUDY WEEK OF DEATH: 55 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 05/09/99 9:50 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : -HEPATIC ANOMALY / OBSTRUCTIVE HEPATOPATHY,-PRESENT
	LN, MEDIASTINAL (ML) : -LARGE; UP TO 5 X 3 X 2 MM (CAP 20) -DIFFUSELY RED; DARK RED	LN, MEDIASTINAL (ML) : -HEMORRHAGE,-PRESENT -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT
	LN, RENAL (RL) : -LARGE; BILATERAL: EACH IS UP TO 8 X 5 X 3 MM (CAP 22) -DIFFUSELY RED; BILATERAL: DARK RED	LN, RENAL (RL) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATELY SEVERE
	LN, ANT MES/PANC (AP) : -LARGE; ANTERIOR MESENTERIC: UP TO 10 X 7 X 5 MM (CAP 21) -DIFFUSELY RED; ANTERIOR MESENTERIC: DARK RED	LN, ANT MES/PANC (AP) : -HEMORRHAGE,-PRESENT -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATELY SEVERE
	GENERAL COMMENT (GC) : -AUTOLYSIS-SEVERE	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93136 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 05/09/99 STUDY DAY OF DEATH: 385 STUDY WEEK OF DEATH: 55 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 05/09/99 9:50 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93137 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 430.4 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 10:35 PROSECTOR: JAMES T. CALLEN RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; SORE/SCAB; PAWS-HIND; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; MISSING; TEETH; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

LIVER (LI) :
-RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, PINPOINT AND UP TO 3 X 2 MM; COLLECTED ON ROUTINE SECTIONS

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT
-GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-SLIGHT
-PIGMENT, HEPATOCELLULAR, CENTRILOBULAR,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
-HYPERPLASIA, BILE DUCT,-SLIGHT
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-MINERALIZATION, TUBULAR,-MINIMAL
SPLEEN (SP) :
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE
ADRENAL, CORTEX (AC) :
-PIGMENT,-MINIMAL
OVARY (OV) :
-CYST,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93137 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 430.4 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 10:35 PROSECTOR: JAMES T. CALLEN RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL PITUITARY (PI) : -HYPERPLASIA,-MINIMAL HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: SINGLE DARK BROWN LINEAR AREA, 2 X 1 MM	STOMACH, GL (ST) : >UNREMARKABLE
		VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-MODERATE CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	FOOT/FOOTPAD (FP) : -ABRASION(S)/ULCERATION(S); BILATERAL HINDFEET: SINGLE RED ABRADED AREA ON EACH, LEFT IS 4 MM IN DIAMETER, RIGHT IS 2 MM IN DIAMETER; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -MALOCCLUSION; UPPER RIGHT INCISOR -TEETH MISSING/BROKEN/WORN; LEFT UPPER INCISOR: MISSING	FOOT/FOOTPAD (FP) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93137 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 430.4 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 10:35 PROSECTOR: JAMES T. CALLEN RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93138 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 362.1 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 10:35 PROSECTOR: KEVIN BILLINGS RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0282	.0078 %	.0132	WEIGHT TAKEN
RT ADRENAL (AD1)	.0301	.0083 %	.0141	WEIGHT TAKEN
BRAIN (BR)	2.1378	.5904 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.3720	.3789 %	.6418	WEIGHT TAKEN
RT KIDNEY (KD1)	1.3862	.3828 %	.6484	WEIGHT TAKEN
LIVER (LI)	13.3847	3.6964 %	6.2610	WEIGHT TAKEN
LUNG (LU)	1.6428	.4537 %	.7685	WEIGHT TAKEN
LF OVARY (OV0)	.0656	.0181 %	.0307	WEIGHT TAKEN
RT OVARY (OV1)	.0778	.0215 %	.0364	WEIGHT TAKEN
SPLEEN (SP)	.5241	.1447 %	.2452	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0173	.0048 %	.0081	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0157	.0043 %	.0073	WEIGHT TAKEN
UTERUS (UT)	.6560	.1812 %	.3069	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR,
CENTRILOBULAR POLYKARYOCYTOSIS
OCCASIONALLY NOTED,-SLIGHT
KIDNEY (KD) :
-MINERALIZATION, PELVIC,-MINIMAL
-MINERALIZATION, TUBULAR,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93138 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 362.1 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 10:35 PROSECTOR: KEVIN BILLINGS RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL -HYPERTROPHY, CORTICAL CELL,-MINIMAL
		THYMUS (TH) : >SECTION EXAMINED; TISSUE NOT PRESENT
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); RIGHT ASPECT: SINGLE DARK RED SLIGHTLY RAISED AREA, 2 MM IN DIAMETER	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT -ANGIECTASIS,-PRESENT
		MAMMARY, FEMALE (MF) : -HYPERPLASIA, GLANDULAR,-SLIGHT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93138 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 362.1 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 10:35 PROSECTOR: KEVIN BILLINGS RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93139 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 300.0 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 8:08 PROSECTOR: DAVID SCHUETTE RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT -GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-SLIGHT -PIGMENT, HEPATOCELLULAR, CENTRILOBULAR,-SLIGHT -NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT -MINERALIZATION, PELVIC,-SLIGHT SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93139 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 300.0 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 8:08 PROSECTOR: DAVID SCHUETTE RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-SLIGHT
	ADRENAL, CORTEX (AC) : -LARGE; RIGHT: 8 X 6 X 5 MM (LEFT IS 5 X 5 X 4 MM) -RED FOCUS(I)/AREAS(I); BILATERAL: LEFT HAS A SINGLE DARK RED AREA, 3 MM IN DIAMETER, RIGHT HAS A MULTIPLE DARK RED AREAS, UP TO 7 X 4 MM	ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC / HEMORRHAGIC,-MODERATELY SEVERE -PIGMENT,-SLIGHT
		HEART (HT) : -M-ENDOCARDIAL SCHWANNOMA,-NEOPLASM PRESENT
		THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -DARK FOCUS(I)/AREA(S); LEFT MID ASPECT: SINGLE DARK BROWN FOCUS, 1 MM IN DIAMETER	PITUITARY (PI) : >UNREMARKABLE
		RECTUM (RE) : -PARASITISM,-PRESENT
	MAMMARY, FEMALE (MF) : -THICKENED; ALL REGIONS DIFFUSE: TAN; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -HYPERPLASIA, GLANDULAR,-MODERATE
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93139 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 300.0 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 8:08 PROSECTOR: DAVID SCHUETTE RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93140 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 471.8 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 11:09 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>EYES; RED DISCHARGE; EYE-RIGHT;
VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT;
WEEK 93; 15 X 20MM; VERIFIED AT
NECROPSY: OBSERVED
>MASS(ES); AXILLARY REGION-RIGHT; WEEK
102; 10 X 10MM; VERIFIED AT NECROPSY:
OBSERVED
>MASS(ES); INGUINAL REGION-RIGHT; WEEK
104; 10 X 10MM; VERIFIED AT NECROPSY:
OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

EYE (EY) :
-DYSTROPHY, CORNEAL IN EARLY STAGES,
CONSISTS PRIMARILY OF FOCAL
MINERALIZATION,-MINIMAL
BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-NECROSIS, INDIVIDUAL HEPATOCYTE,-
SLIGHT
-FOCUS, ALTERED HEPATOCELLULAR,
BASOPHILIC,-SLIGHT
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-
MODERATE
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
-HEMATOPOIESIS, EXTRAMEDULLARY,
INCREASED,-MODERATE
PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-
MODERATELY SEVERE
-ATROPHY, ACINAR,-MINIMAL
-B-ADENOMA, ISLET CELL,-NEOPLASM
PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93140 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 471.8 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 11:09 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-MINIMAL -DEGENERATION, CYSTIC / HEMORRHAGIC,-MODERATE -PIGMENT,-SLIGHT ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT
	OVARY (OV) : -CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 2 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT HEART (HT) : -CARDIOMYOPATHY,-MODERATE THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 9 X 7 X 6 MM, RED, DARK RED, TAN, GREY, SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: SINGLE BROWN AREA, 3 X 2 MM	STOMACH, GL (ST) : -INFLAMMATION, ACUTE,-MODERATE -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE -ULCERATION,-SLIGHT
		MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -M-FIBROSARCOMA,- 4 NEOPLASMS PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93140 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 471.8 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 11:09 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 15 X 15 X 10 MM, TAN, SOFT, AND LOBULATED; SAME ON CUT SURFACE (CAP 22); REGIONAL LN (AXILLARY) NORMAL (CAP 23) -MASS #2; RIGHT INGUINAL REGION: SINGLE MASS, 20 X 20 X 10 MM, TAN, SOFT, AND LOBULATED; SAME ON CUT SURFACE (CAP 24); REGIONAL LN (INGUINAL) NOT IDENTIFIED -MASS #3; RIGHT INGUINAL REGION, CAUDAL TO MASS #2: SINGLE MASS, 25 X 20 X 12 MM, TAN, GREY, FIRM; SAME ON CUT SURFACE (CAP 25); REGIONAL LN (INGUINAL) NOT IDENTIFIED -MASS #4; RIGHT VENTRAL ABDOMINAL REGION: SINGLE MASS, 35 X 22 X 15 MM, TAN, GREY, LOBULATED, AND FIRM; SAME ON CUT SURFACE (CAP 26); REGIONAL LN (INGUINAL) NOT IDENTIFIED	UTERUS (UT) : -DILATATION,-MODERATE VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93140 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 471.8 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 11:09 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN -DISCHARGE-OCULAR; RIGHT: DARK RED, AND DRY	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93141 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/17/00 STUDY DAY OF DEATH: 698 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: 367.9 GRAMS
DATE AND TIME OF NECROPSY: 03/17/00 9:43 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>SKIN & PELAGE; RED HAIR COAT; PERINEAL AREA; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE
>EYES; RED DISCHARGE; EYE-RIGHT; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT
-GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-SLIGHT
-PIGMENT, HEPATOCELLULAR, CENTRILOBULAR,-SLIGHT
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MODERATELY SEVERE
-DEGENERATION, CYSTIC,-SLIGHT
-HYPERPLASIA, BILE DUCT,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
ADRENAL, CORTEX (AC) :
-ANGIECTASIS,-MODERATE
-HYPERTROPHY, CORTICAL CELL,-MINIMAL
-PIGMENT,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93141 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/17/00 STUDY DAY OF DEATH: 698 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: 367.9 GRAMS
DATE AND TIME OF NECROPSY: 03/17/00 9:43 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, FEMUR (FM) : -HYPOCELLULAR, MARROW,-MODERATELY SEVERE MARROW, STERNUM (SE) : -HYPOCELLULAR, MARROW,-MODERATE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL -INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT HEART (HT) : -CARDIOMYOPATHY,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 12 X 10 X 7 MM, DARK RED, RED AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -ATROPHY,-MINIMAL STOMACH, GL (ST) : -EDEMA,-MINIMAL -INFLAMMATION, ACUTE,-MINIMAL CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93141 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/17/00 STUDY DAY OF DEATH: 698 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: 367.9 GRAMS
DATE AND TIME OF NECROPSY: 03/17/00 9:43 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; RIGHT: DARK RED AND DRY -STAINS-PERINEUM/PERIANAL; BROWN AND MOIST	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93141 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/17/00 STUDY DAY OF DEATH: 698 STUDY WEEK OF DEATH: 100 TERMINAL BODY WEIGHT: 367.9 GRAMS
DATE AND TIME OF NECROPSY: 03/17/00 9:43 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93142 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 210.2 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 9:31 PROSECTOR: JODI THIEREN RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LF KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	8.2349	3.9170 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LF OVARY (OV0)	--------	--------	--------	NOT TAKEN
RT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93142 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 210.2 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 9:31 PROSECTOR: JODI THIEREN RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93143 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 264.0 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 10:18 PROSECTOR: JODI THIEREN RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0368	.0139 %	.0168	WEIGHT TAKEN
RT ADRENAL (AD1)	.0317	.0120 %	.0145	WEIGHT TAKEN
BRAIN (BR)	2.1882	.8289 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.1879	.4500 %	.5429	WEIGHT TAKEN
RT KIDNEY (KD1)	1.2708	.4814 %	.5808	WEIGHT TAKEN
LIVER (LI)	11.0191	4.1739 %	5.0357	WEIGHT TAKEN
LUNG (LU)	1.2593	.4770 %	.5755	WEIGHT TAKEN
LF OVARY (OV0)	.1022	.0387 %	.0467	WEIGHT TAKEN
RT OVARY (OV1)	.0792	.0300 %	.0362	WEIGHT TAKEN
SPLEEN (SP)	.3885	.1472 %	.1775	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0076	.0029 %	.0035	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0087	.0033 %	.0040	WEIGHT TAKEN
UTERUS (UT)	.4416	.1673 %	.2018	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR,
CENTRILOBULAR POLYKARYOCYTOSIS
OCCASIONALLY NOTED,-SLIGHT
-NECROSIS, INDIVIDUAL HEPATOCYTE,-
MINIMAL
-VACUOLATION, HEPATOCELLULAR,
PERIPORTAL,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93143 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 264.0 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 10:18 PROSECTOR: JODI THIEREN RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

HISTOPATHOLOGY

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93144 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 175.5 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 11:10 PROSECTOR: JODI THIEREN RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LF KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	7.9820	4.5472 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LF OVARY (OV0)	--------	--------	--------	NOT TAKEN
RT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93144 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 175.5 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 11:10 PROSECTOR: JODI THIEREN RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93145 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 09/24/99 STUDY DAY OF DEATH: 523 STUDY WEEK OF DEATH: 75 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 09/24/99 13:57 PROSECTOR: JARED FISHEL RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MINIMAL -GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-SLIGHT -PIGMENT, HEPATOCELLULAR, CENTRILOBULAR,-MINIMAL -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT -HYPERPLASIA, BILE DUCT,-MINIMAL KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL -HYPERPLASIA, TRANSITIONAL CELL,-MINIMAL -INFLAMMATION, CHRONIC-ACTIVE, PELVIC,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93145 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 09/24/99 STUDY DAY OF DEATH: 523 STUDY WEEK OF DEATH: 75 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 09/24/99 13:57 PROSECTOR: JARED FISHEL RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT
	LN, MESENTERIC (MS) : -DIFFUSELY RED; BILATERAL: DARK RED	LN, MESENTERIC (MS) : >UNREMARKABLE
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT
		LUNG (LU) : -CONGESTION,-PRESENT
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 8 X 6 X 5 MM, DARK RED, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		ILEUM (IL) : >AUTOLYTIC
		CECUM (CE) : >AUTOLYTIC
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT PERIANAL REGION: SINGLE MASS, 30 X 20 X 15 MM, RED, DARK RED, GREEN, TAN, VASCULAR AND FIRM; SOME SECTIONS EXUDE A DARK RED FLUID; COLLECTED INTACT; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -M-CARCINOMA,-NEOPLASM PRESENT -CYST / GALACTOCELE,-PRESENT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: RED; COLLECTED	LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93145 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 09/24/99 STUDY DAY OF DEATH: 523 STUDY WEEK OF DEATH: 75 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 09/24/99 13:57 PROSECTOR: JARED FISHEL RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93146 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 326.2 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 8:16 PROSECTOR: TROY ELLENBECKER RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 100; 20 X 20 MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 102; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) :
		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		-GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-MINIMAL
		-PIGMENT, HEPATOCELLULAR, CENTRILOBULAR,-SLIGHT
		-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT
		-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL
	KIDNEY (KD) :	KIDNEY (KD) :
	-LARGE PELVIS(ES); RIGHT	-NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT
		-DILATATION, PELVIC,-MODERATE
		-MINERALIZATION, PELVIC,-SLIGHT
		SPLEEN (SP) :
		-PIGMENT, INCREASED,-SLIGHT
		-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATELY SEVERE
		PANCREAS (PA) :
		-ATROPHY, ACINAR,-MINIMAL
		ADRENAL, CORTEX (AC) :
		-ANGIECTASIS,-SLIGHT
		-HYPERTROPHY, CORTICAL CELL,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93146 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 326.2 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 8:16 PROSECTOR: TROY ELLENBECKER RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	ADRENAL, CORTEX (AC) : -RED FOCUS(I)/AREAS(I); RIGHT CORTICAL SURFACE: SINGLE RED AREA, 4 MM IN DIAMETER	ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC / HEMORRHAGIC,- MODERATE -PIGMENT,-MINIMAL
		LN, MESENTERIC (MS) : -HEMORRHAGE,-PRESENT
	OVARY (OV) : -CYST(S); RIGHT: SINGLE CLEAR FLUID CYST, 8 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),- SLIGHT
	PITUITARY (PI) : -MASS(ES); 10 X 8 X 6 MM, DARK RED AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 20 X 15 X 7 MM, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (AXILLARY) NORMAL (CAP 22) -MASS #2; LEFT INGUINAL REGION: SINGLE MASS, 30 X 12 X 8 MM, TAN AND FIRM; SAME ON CUT SURFACE; SOME SECTIONS EXUDE A TAN, CREAMY FLUID; COLLECTED INTACT; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT -HYPERPLASIA, GLANDULAR,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93146 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 326.2 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 8:16 PROSECTOR: TROY ELLENBECKER RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT LN, AXILLARY (AX) : >TISSUE MISSING
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93146 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 326.2 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 8:16 PROSECTOR: TROY ELLENBECKER RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93147 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 289.8 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 10:16 PROSECTOR: NANCY DIEDRICH RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0215	.0074 %	.0091	WEIGHT TAKEN
RT ADRENAL (AD1)	.0259	.0089 %	.0110	WEIGHT TAKEN
BRAIN (BR)	2.3568	.8133 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.2275	.4236 %	.5208	WEIGHT TAKEN
RT KIDNEY (KD1)	1.2747	.4399 %	.5409	WEIGHT TAKEN
LIVER (LI)	10.1724	3.5101 %	4.3162	WEIGHT TAKEN
LUNG (LU)	1.6689	.5759 %	.7081	WEIGHT TAKEN
LF OVARY (OV0)	.0595	.0205 %	.0252	WEIGHT TAKEN
RT OVARY (OV1)	.0654	.0226 %	.0277	WEIGHT TAKEN
SPLEEN (SP)	.6045	.2086 %	.2565	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0150	.0052 %	.0064	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0175	.0060 %	.0074	WEIGHT TAKEN
UTERUS (UT)	.6163	.2127 %	.2615	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR,
CENTRILOBULAR POLYKARYOCYTOSIS
OCCASIONALLY NOTED,-SLIGHT
-PIGMENT, HEPATOCELLULAR,
CENTRILOBULAR,-MINIMAL
-NECROSIS, INDIVIDUAL HEPATOCYTE,-
MINIMAL
-HYPERPLASIA, BILE DUCT,-MINIMAL
KIDNEY (KD) :
-MINERALIZATION, TUBULAR,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93147 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 289.8 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 10:16 PROSECTOR: NANCY DIEDRICH RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MINIMAL ADRENAL, CORTEX (AC) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: DARK RED (CAP 20) GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN	LN, MANDIBULAR (MN) : -HEMORRHAGE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93147 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 289.8 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 10:16 PROSECTOR: NANCY DIEDRICH RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93148 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/15/00 STUDY DAY OF DEATH: 636 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/15/00 8:18 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT PANCREAS (PA) : -M-CARCINOMA, ISLET CELL,-NEOPLASM PRESENT >NOTE:>SEE SLIDE #21 ADRENAL, CORTEX (AC) : -ANGIECTASIS,-MODERATELY SEVERE -PIGMENT,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93148 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/15/00 STUDY DAY OF DEATH: 636 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/15/00 8:18 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, FEMUR (FM) : -HYPERPLASIA, ERYTHROID, MARROW,-SLIGHT MARROW, STERNUM (SE) : -HYPERPLASIA, ERYTHROID, MARROW,-SLIGHT THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); LEFT POSTERIOR ASPECT: SINGLE DARK RED FOCUS, 1 MM IN DIAMETER	PITUITARY (PI) : -HYPERPLASIA,-SLIGHT
		HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-SLIGHT DUODENUM (DU) : >AUTOLYTIC
	JEJUNUM (JE) : -MASS(ES); ATTACHED TO JEJUNUM, PROXIMAL TO DUODENUM: SINGLE MASS, 20 X 15 X 10 MM, DARK RED, TAN, AND SOFT; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (MESENTERIC) NORMAL	JEJUNUM (JE) : >AUTOLYTIC
		ILEUM (IL) : >AUTOLYTIC CECUM (CE) : >AUTOLYTIC COLON (CO) : >AUTOLYTIC

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93148 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/15/00 STUDY DAY OF DEATH: 636 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/15/00 8:18 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : -NEOPLASM, PANCREAS,-PRESENT

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93149 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 309.8 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 8:12 PROSECTOR: GREGORY CODDINGTON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-LEFT; WEEK 91; 20 X 20MM; VERIFIED AT NECROPSY: OBSERVED >MASS(ES); VENTRAL-CERVICAL-LEFT; WEEK 100; 15 X 15MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT -GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-MINIMAL -NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-SLIGHT -HYPERPLASIA, BILE DUCT,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-SLIGHT -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL LIVER-OIL RED O (LI0) : -VACUOLES, OIL RED O-POSITIVE, HEPATOCELLULAR,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93149 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 309.8 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 8:12 PROSECTOR: GREGORY CODDINGTON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-MODERATELY SEVERE -DEGENERATION, CYSTIC / HEMORRHAGIC,-MODERATELY SEVERE -PIGMENT,-MINIMAL
	OVARY (OV) : -CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 3 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 10 X 7 X 7 MM, RED, DARK RED, GREY AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-MINIMAL -ULCERATION,-MINIMAL -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL MAMMARY, FEMALE (MF) : -M-CARCINOMA,- 2 NEOPLASMS PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93149 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 309.8 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 8:12 PROSECTOR: GREGORY CODDINGTON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 28 X 20 X 15 MM, RED, DARK RED, TAN, BROWN AND FIRM; ON SECTION EXUDES A BROWN FLUID; (CAP 22); REGIONAL LN (AXILLARY) NORMAL (CAP 23) -MASS #2; LEFT VENTRAL CERVICAL REGION: SINGLE MASS, 25 X 15 X 12 MM, DARK RED, BROWN, TAN AND FIRM; SAME ON CUT SURFACE; (CAP 24); REGIONAL LN (MANDIBULAR) NORMAL (CAP 25)	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT
		UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-MINIMAL VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT LN, LUMBAR/ILIAC (LM) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT
	CAVITY, ABDOM (PC) : -MASS(ES); ATTACHED TO ADIPOSE TISSUE, NEAR RIGHT UTERINE HORN: SINGLE MASS, 20 X 10 X 8 MM, BROWN, TAN AND FIRM; SAME ON CUT SURFACE; (CAP 26); REGIONAL LN (LUMBAR) NORMAL (CAP 27)	CAVITY, ABDOM (PC) : -INFLAMMATION / NECROSIS, FAT,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93149 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 309.8 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 8:12 PROSECTOR: GREGORY CODDINGTON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), HEMATO NEOPLASIA (HN), LN, MANDIBULAR (MN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93150 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/19/00 STUDY DAY OF DEATH: 640 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: 290.3 GRAMS
DATE AND TIME OF NECROPSY: 01/19/00 14:21 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE
>RESPIRATION; IRREGULAR; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; RECUMBENT; LATERAL; VERIFIED AT NECROPSY: NOT APPLICABLE
>DISCHARGE; NASAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MODERATE
-GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-SLIGHT
-PIGMENT, HEPATOCELLULAR, CENTRILOBULAR,-SLIGHT
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-MINERALIZATION, PELVIC,-MINIMAL
-MINERALIZATION, TUBULAR,-SLIGHT
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
ADRENAL, CORTEX (AC) :
-PIGMENT,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93150 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/19/00 STUDY DAY OF DEATH: 640 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: 290.3 GRAMS
DATE AND TIME OF NECROPSY: 01/19/00 14:21 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT -CYST,-PRESENT LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 12 X 8 X 6 MM, DARK RED, TAN AND FIRM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-NASAL; DRY RED MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93150 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/19/00 STUDY DAY OF DEATH: 640 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: 290.3 GRAMS
DATE AND TIME OF NECROPSY: 01/19/00 14:21 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93151 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 492.0 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 10:31 PROSECTOR: JOHN S. HALFORD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); INGUINAL REGION-LEFT; WEEK 79; 70 X 100MM; VERIFIED AT NECROPSY: OBSERVED >MASS(ES); AXILLARY REGION-LEFT; WEEK 89; 30 X 20MM; VERIFIED AT NECROPSY: OBSERVED	ADRENAL, CORTEX (AC) : -LARGE; LEFT: 6 MM IN DIAMETER (RIGHT IS 4 MM IN DIAMETER) -DIFFUSELY DARK; BILATERAL: DARK BROWN	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MINIMAL -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-SLIGHT -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-SLIGHT -DEGENERATION, CYSTIC / HEMORRHAGIC,-MODERATE -PIGMENT,-SLIGHT OVARY (OV) : -CYST,-PRESENT -HYPERPLASIA, GRANULOSA CELL,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93151 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 492.0 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 10:31 PROSECTOR: JOHN S. HALFORD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	OVARY (OV) : -CYST(S); BILATERAL: SINGLE CLEAR FLUID FILLED CYST ON EACH, LEFT IS 6 MM IN DIAMETER, RIGHT IS 4 MM IN DIAMETER	
		MARROW, FEMUR (FM) : -HYPERPLASIA, ERYTHROID, MARROW,- MODERATE MARROW, STERNUM (SE) : -HYPERPLASIA, ERYTHROID, MARROW,-SLIGHT LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,- MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -LARGE; 6 X 5 X 3 MM -DARK FOCUS(I)/AREA(S); ALONG ENTIRE LEFT ASPECT: MULTIPLE BLACK FOCI, UP TO 2 MM IN DIAMETER	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT -HYPERPLASIA,-SLIGHT
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: TWO BLACK AREAS, ONE IS 3 X 1 MM, OTHER IS 2 X 1 MM	STOMACH, GL (ST) : -EROSION,-MINIMAL
		RECTUM (RE) : -PARASITISM,-PRESENT MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93151 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 492.0 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 10:31 PROSECTOR: JOHN S. HALFORD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); INVOLVING ENTIRE INGUINAL REGION: SINGLE MASS, 110 X 83 X 50 MM (243.6 GRAMS), RED, DARK RED, GRAY, TAN, LOBULATED, VASCULAR, AND FIRM; SAME ON CUT SURFACE; PORTION COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED -MASS #2; LEFT AXILLARY REGION: SINGLE MASS, 21 X 20 X 13 MM, RED, GRAY, TAN, LOBULATED, AND FIRM; SAME ON CUT SURFACE (CAP 23); REGIONAL LN (SEE AXILLARY)	
	UTERUS (UT) : -MASS(ES); LEFT WITHIN LUMEN, EXTENDING INTO BIFURCATION: SINGLE DARK RED AND GELATINOUS MASS, 11 X 10 X 9 MM; ON SECTION EXUDES A DARK RED GRANULAR MATERIAL; COLLECTED INTACT; REGIONAL LN (LUMBAR) NORMAL (CAP 25)	UTERUS (UT) : -B-POLYP, ENDOMETRIAL, STROMAL,-NEOPLASM PRESENT -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-SLIGHT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, AXILLARY (AX) : -LARGE; LEFT: UP TO 6 X 4 X 3 MM (RIGHT IS UP TO 3 X 3 X 2 MM) (CAP 24) -DIFFUSELY RED; LEFT: DARK RED (CAP 24)	LN, AXILLARY (AX) : -HEMORRHAGE,-PRESENT -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE
		LN, LUMBAR/ILIAC (LM) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93151 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 492.0 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 10:31 PROSECTOR: JOHN S. HALFORD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LN, LUMBAR/ILIAC (LM) : -HEMORRHAGE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93151 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 492.0 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 10:31 PROSECTOR: JOHN S. HALFORD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93152 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/19/99 STUDY DAY OF DEATH: 456 STUDY WEEK OF DEATH: 66 TERMINAL BODY WEIGHT: 253.7 GRAMS
DATE AND TIME OF NECROPSY: 07/19/99 11:33 PROSECTOR: LYNN HORNER RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>MASS(ES); AXILLARY REGION-RIGHT; WEEK 53; 25 X 25MM; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE
>DISCHARGE; NASAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MODERATE
-GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-MINIMAL
-PIGMENT, HEPATOCELLULAR, CENTRILOBULAR,-MINIMAL
-NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MINIMAL
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-MINERALIZATION, TUBULAR,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93152 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/19/99 STUDY DAY OF DEATH: 456 STUDY WEEK OF DEATH: 66 TERMINAL BODY WEIGHT: 253.7 GRAMS
DATE AND TIME OF NECROPSY: 07/19/99 11:33 PROSECTOR: LYNN HORNER RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-MINIMAL -PIGMENT,-MINIMAL THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE
	PITUITARY (PI) : -MASS(ES); 15 X 8 X 5 MM, DARK RED, GRAY, AND SOFT MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 30 X 21 X 14 MM, DARK RED, TAN, LOBULATED, AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (AXILLARY) NORMAL (CAP 20) -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION -CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE TAN, CREAMY SEMIFLUID FILLED CYSTS, UP TO 9 X 5 X 3 MM; COLLECTED ON ROUTINE SECTION	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT MAMMARY, FEMALE (MF) : -M-CARCINOMA,-NEOPLASM PRESENT -CYST / GALACTOCELE,-PRESENT -INFLAMMATION, CHRONIC,-MODERATE
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT LN, AXILLARY (AX) : -INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93152 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/19/99 STUDY DAY OF DEATH: 456 STUDY WEEK OF DEATH: 66 TERMINAL BODY WEIGHT: 253.7 GRAMS
DATE AND TIME OF NECROPSY: 07/19/99 11:33 PROSECTOR: LYNN HORNER RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -DISCHARGE-OCULAR; BILATERAL: DARK RED, DRY, CRUSTED MATERIAL -ANIMAL THIN -DISCHARGE-NASAL; DARK RED, DRY CRUSTED MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93152 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/19/99 STUDY DAY OF DEATH: 456 STUDY WEEK OF DEATH: 66 TERMINAL BODY WEIGHT: 253.7 GRAMS
DATE AND TIME OF NECROPSY: 07/19/99 11:33 PROSECTOR: LYNN HORNER RECORDER: STEVE VAN ADESTINE
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93153 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 427.2 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 9:44 PROSECTOR: JAMES T. CALLEN RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>SKIN & PELAGE; SORE/SCAB; PAWS-HIND;
VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); DORSAL; WEEK 91; 40 X 40MM;
VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; SWOLLEN; PAW-HIND-LEFT;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR,
CENTRILOBULAR POLYKARYOCYTOSIS
OCCASIONALLY NOTED,-SLIGHT
-GRANULAR CYTOPLASM, EOSINOPHILIC,
CENTRILOBULAR,-MINIMAL
-PIGMENT, HEPATOCELLULAR,
CENTRILOBULAR,-MINIMAL
-VACUOLATION, HEPATOCELLULAR,
PERIPORTAL,-MODERATE
KIDNEY (KD) :
-MINERALIZATION, PELVIC,-SLIGHT
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
-HEMATOPOIESIS, EXTRAMEDULLARY,
INCREASED,-SLIGHT
PANCREAS (PA) :
-INFILTRATION, FAT, INTERSTITIAL,-
SLIGHT
ADRENAL, CORTEX (AC) :
-HYPERTROPHY, CORTICAL CELL,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93153 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 427.2 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 9:44 PROSECTOR: JAMES T. CALLEN RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC / HEMORRHAGIC,-SLIGHT -PIGMENT,-SLIGHT THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MODERATE -INFILTRATE, LYMPHOHISTIOCYTIC,-SLIGHT HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
	PITUITARY (PI) : -LARGE; 7 X 6 X 4 MM -RED FOCUS(I)/AREA(S); DIFFUSE: MULTIPLE DARK RED AREAS, UP TO 2 X 1 MM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT -HYPERPLASIA,-MODERATE
		SKIN (SK) : -B-FIBROMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); MID DORSAL THORACIC REGION: SINGLE MASS, 45 X 36 X 27 MM, TAN, LOBULATED AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (MANDIBULAR) NORMAL (CAP 22)	MAMMARY, FEMALE (MF) : -HYPERPLASIA, GLANDULAR,-MODERATE >NOTE:>SEE SKIN FOR DIAGNOSIS OF MASS
		VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93153 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 427.2 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 9:44 PROSECTOR: JAMES T. CALLEN RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,- MODERATELY SEVERE
	FOOT/FOOTPAD (FP) : -ABRASION(S)/ULCERATION(S); BILATERAL, HINDFEET: SINGLE RED ABRADED AREA, LEFT IS 10 X 7 MM, RIGHT IS 3 MM IN DIAMETER; COLLECTED	FOOT/FOOTPAD (FP) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE -ULCERATION,-MODERATE -ACANTHOSIS / HYPERKERATOSIS,-MODERATE -HYPERPLASIA, BONE,-MODERATE
	JOINT, OTHER (JT) : -LARGE; LEFT TARSAL JOINT: UP TO 10 MM IN DIAMETER	JOINT, OTHER (JT) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93153 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 427.2 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 9:44 PROSECTOR: JAMES T. CALLEN RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93154 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 314.5 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 9:16 PROSECTOR: NANCY DIEDRICH RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0398	.0127 %	.0168	WEIGHT TAKEN
RT ADRENAL (AD1)	.0328	.0104 %	.0138	WEIGHT TAKEN
BRAIN (BR)	2.3753	.7553 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.2854	.4087 %	.5412	WEIGHT TAKEN
RT KIDNEY (KD1)	1.4335	.4558 %	.6035	WEIGHT TAKEN
LIVER (LI)	13.5315	4.3025 %	5.6968	WEIGHT TAKEN
LUNG (LU)	1.5496	.4927 %	.6524	WEIGHT TAKEN
LF OVARY (OV0)	.0476	.0151 %	.0200	WEIGHT TAKEN
RT OVARY (OV1)	.0551	.0175 %	.0232	WEIGHT TAKEN
SPLEEN (SP)	.5400	.1717 %	.2273	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0062	.0020 %	.0026	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0103	.0033 %	.0043	WEIGHT TAKEN
UTERUS (UT)	1.0091	.3209 %	.4248	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

LIVER (LI) :
-DIFFUSELY DARK; ALL LOBES: DARK BROWN

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MODERATE
-PIGMENT, HEPATOCELLULAR, CENTRILOBULAR,-SLIGHT
-NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL
KIDNEY (KD) :
-MINERALIZATION, TUBULAR,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93154 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 314.5 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 9:16 PROSECTOR: NANCY DIEDRICH RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE PANCREAS (PA) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL ADRENAL, CORTEX (AC) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL -HYPERTROPHY, CORTICAL CELL,-MINIMAL ADRENAL, MEDULLA (MA) : -UNILATERALLY EXAMINED,-PRESENT THYMUS (TH) : -HEMORRHAGE,-PRESENT
	PITUITARY (PI) : -LARGE; 5 X 5 X 3 MM; APPEARS SWOLLEN	PITUITARY (PI) : >UNREMARKABLE
		MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -HYPERPLASIA, GLANDULAR,-MINIMAL -SECRETORY MATERIAL,-PRESENT URINARY BLADDER (UB) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL UTERUS (UT) : -DILATATION,-SLIGHT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93154 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 314.5 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 9:16 PROSECTOR: NANCY DIEDRICH RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93155 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 224.4 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 10:57 PROSECTOR: DONIA MEYER RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0387	.0172 %	.0226	WEIGHT TAKEN
RT ADRENAL (AD1)	.0397	.0177 %	.0232	WEIGHT TAKEN
BRAIN (BR)	1.7141	.7639 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.0546	.4700 %	.6152	WEIGHT TAKEN
RT KIDNEY (KD1)	1.0768	.4799 %	.6282	WEIGHT TAKEN
LIVER (LI)	9.4384	4.2061 %	5.5063	WEIGHT TAKEN
LUNG (LU)	1.3608	.6064 %	.7939	WEIGHT TAKEN
LF OVARY (OV0)	.0660	.0294 %	.0385	WEIGHT TAKEN
RT OVARY (OV1)	.0609	.0271 %	.0355	WEIGHT TAKEN
SPLEEN (SP)	.4271	.1903 %	.2492	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0073	.0033 %	.0043	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0086	.0038 %	.0050	WEIGHT TAKEN
UTERUS (UT)	.5279	.2352 %	.3080	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS
-BONE MARROW SMEAR TAKEN

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93155 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 224.4 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 10:57 PROSECTOR: DONIA MEYER RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV)

PAGE: 2030

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93156 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/06/99 STUDY DAY OF DEATH: 596 STUDY WEEK OF DEATH: 86 TERMINAL BODY WEIGHT: 282.0 GRAMS
DATE AND TIME OF NECROPSY: 12/06/99 15:21 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; SORE/SCAB; VENTRAL-CERVICAL; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); VENTRAL-CERVICAL; WEEK 53; 40 X 50MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); VENTRAL-ABDOMINAL; WEEK 84; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED
>EYES; PROTRUDING; EYE-RIGHT; VERIFIED AT NECROPSY: OBSERVED
>EYES; SCAB; EYE-RIGHT; VERIFIED AT NECROPSY: OBSERVED
>EYES; PALE; EYE-RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

EYE (EY) :
-PROTRUDING; RIGHT: 4 MM FROM ORBIT; TISSUE SURROUNDING EYE IS DRY AND TAN; POSSIBLY CONSISTENT WITH SCAB (RIGHT EYE) AS NOTED IN CLINICAL OBSERVATIONS
LIVER (LI) :
-LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN AREAS, UP TO 8 X 3 MM; COLLECTED ON ROUTINE SECTIONS

HISTOPATHOLOGY

EYE (EY) :
-INFLAMMATION, CHRONIC-ACTIVE,-SEVERE
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT
-GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-MINIMAL
-PIGMENT, HEPATOCELLULAR, CENTRILOBULAR,-MINIMAL
-NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL
-HYPERPLASIA, BILE DUCT,-SLIGHT
-INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-MINERALIZATION, TUBULAR,-MINIMAL
ADRENAL, CORTEX (AC) :
-ANGIECTASIS,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93156 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/06/99 STUDY DAY OF DEATH: 596 STUDY WEEK OF DEATH: 86 TERMINAL BODY WEIGHT: 282.0 GRAMS
DATE AND TIME OF NECROPSY: 12/06/99 15:21 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -PIGMENT,-MINIMAL
	LN, MESENTERIC (MS) : -LARGE; UP TO 5 MM IN DIAMETER -DIFFUSELY RED; DARK RED	LN, MESENTERIC (MS) : -HEMORRHAGE,-PRESENT -HYPERPLASIA, LYMPHOPLASMACYTIC,-SEVERE
		BONE, FEMUR (FE) : -HYPERPLASIA, CARTILAGE,-SLIGHT
		MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,-SEVERE
		MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-SEVERE
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE
	LUNG (LU) : -LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN FOCI, UP TO 3 MM IN DIAMETER	LUNG (LU) : -N-CARCINOMA,-FROM MAMMARY, FEMALE -INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT
	PITUITARY (PI) : -LARGE; 7 X 5 X 4 MM; APPEARS SWOLLEN -RED FOCUS(I)/AREA(S); RIGHT ANTERIOR ASPECT: SINGLE DARK RED FOCUS, 4 MM IN DIAMETER	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93156 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/06/99 STUDY DAY OF DEATH: 596 STUDY WEEK OF DEATH: 86 TERMINAL BODY WEIGHT: 282.0 GRAMS
DATE AND TIME OF NECROPSY: 12/06/99 15:21 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	HARDERIAN GLAND (HG) : -MASS(ES); INVOLVING ENTIRE RIGHT: SINGLE MASS, 15 X 10 X 6 MM, RED, TAN, GREY, GELATINOUS AND SOFT; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (SEE MANDIBULAR)	
	SALIV GL, MANDIB (SG) : -SMALL; LEFT: 11 X 8 X 3 MM (RIGHT IS 20 X 9 X 4 MM)	SALIV GL, MANDIB (SG) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); PERIANAL REGION: SINGLE TAN AND FIRM MASS, 22 X 16 X 11 MM; SAME ON CUT SURFACE (CAP 21); REGIONAL LN (INGUINAL) NOT IDENTIFIED; POSSIBLY CONSISTENT WITH MASS (VENTRAL-ABDOMINAL REGION) AS NOTED IN CLINICAL OBSERVATIONS -MASS #2; VENTRAL CERVICAL REGION, EXTENDING TO LEFT PECTORAL REGION: SINGLE MASS, 77 X 38 X 30 MM, RED, DARK RED, GREY, TAN, LOBULATED, AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (SEE MANDIBULAR); OVERLYING SKIN HAS A SINGLE MOIST, RED AND TAN ERODED AREA, 21 X 20 MM; COLLECTED WITH MASS	MAMMARY, FEMALE (MF) : -M-CARCINOMA,- 2 NEOPLASMS PRESENT
	UTERUS (UT) : -THICKENED WALL; BILATERAL, DIFFUSE	UTERUS (UT) : >UNREMARKABLE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93156 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/06/99 STUDY DAY OF DEATH: 596 STUDY WEEK OF DEATH: 86 TERMINAL BODY WEIGHT: 282.0 GRAMS
DATE AND TIME OF NECROPSY: 12/06/99 15:21 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CERVIX (CV) : -HYPERPLASIA, MUCINOUS,-SEVERE VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-SEVERE HEMATO NEOPLASIA (HN) : -M-SARCOMA, HISTIOCYTIC,-NEOPLASM PRESENT CAUSE OF DEATH (CD) : -NEOPLASM, MAMMARY GLAND,-PRESENT
	LN, MANDIBULAR (MN) : -LARGE; BILATERAL: EACH IS UP TO 11 X 7 X 6 MM (CAP 22) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN	LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93156 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/06/99 STUDY DAY OF DEATH: 596 STUDY WEEK OF DEATH: 86 TERMINAL BODY WEIGHT: 282.0 GRAMS
DATE AND TIME OF NECROPSY: 12/06/99 15:21 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), OVARY (OV), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93157 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 537.9 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 8:12 PROSECTOR: JAMES T. CALLEN RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL -FIBROSIS, PERIBILIARY,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE PANCREAS (PA) : -B-FIBROMA,-NEOPLASM PRESENT ADRENAL, CORTEX (AC) : -PIGMENT,-MINIMAL ADRENAL, MEDULLA (MA) : -UNILATERALLY EXAMINED,-PRESENT THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93157 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 537.9 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 8:12 PROSECTOR: JAMES T. CALLEN RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERPLASIA, TYPE II PNEUMOCYTE,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-SLIGHT MAMMARY, FEMALE (MF) : -HYPERPLASIA, GLANDULAR,-MINIMAL
	UTERUS (UT) : -CYST(S); WITHIN WALL OF RIGHT HORN, 17 MM FROM BIFURCATION: SINGLE RED FLUID FILLED CYST, 2 MM IN DIAMETER	UTERUS (UT) : >UNREMARKABLE
		VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-SLIGHT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT LN, LUMBAR/ILIAC (LM) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT
	CAVITY, ABDOM (PC) : -MASS(ES); WITHIN ADIPOSE TISSUE NEAR BIFURCATION OF UTERUS: SINGLE MASS, 25 X 20 X 14 MM, GREEN, LOBULATED, AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (LUMBAR) NORMAL (CAP 22)	CAVITY, ABDOM (PC) : -INFLAMMATION / NECROSIS, FAT,-SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93157 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 537.9 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 8:12 PROSECTOR: JAMES T. CALLEN RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-BONE MARROW SMEAR TAKEN

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93158 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 448.8 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 10:13 PROSECTOR: DAVID SCHUETTE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 71; 70 X 60MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT -GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-MODERATE -PIGMENT, HEPATOCELLULAR, CENTRILOBULAR,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MODERATE -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-SLIGHT -HYPERPLASIA, BILE DUCT,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,- MINIMAL -MINERALIZATION, PELVIC,-SLIGHT SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93158 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 448.8 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 10:13 PROSECTOR: DAVID SCHUETTE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-MINIMAL
	ADRENAL, CORTEX (AC) : -LARGE; LEFT: 7 X 5 X 3 MM (RIGHT IS 5 X 4 X 3 MM) -MOTTLED; BILATERAL: DARK BROWN AND TAN	ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT -HYPERTROPHY, CORTICAL CELL,-SLIGHT -PIGMENT,-MINIMAL -B-ADENOMA,-NEOPLASM PRESENT
		BONE, STERNUM (SB) : -HYPERPLASIA, CARTILAGINOUS,-MODERATE
		HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
	PITUITARY (PI) : -LARGE; 6 X 5 X 3 MM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT -CYST,-PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT INGUINAL REGION: SINGLE MASS, 90 X 60 X 25 MM (95.3 GRAMS), RED, TAN, SOFT, LOBULATED, AND VASCULAR; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (SEE INGUINAL) -MASS #2; RIGHT PERINEAL REGION: SINGLE MASS, 30 X 25 X 25 MM, TAN, DARK BROWN, AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (SEE INGUINAL)	MAMMARY, FEMALE (MF) : -M-CARCINOMA,-NEOPLASM PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT >NOTE:>MASS #1 IS THE CARCINOMA
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93158 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 448.8 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 10:13 PROSECTOR: DAVID SCHUETTE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, INGUINAL (IN) : -DIFFUSELY RED; RIGHT: DARK RED (CAP 22); LEFT (NOT IDENTIFIED) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	LN, INGUINAL (IN) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MODERATE -HEMORRHAGE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93158 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 448.8 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 10:13 PROSECTOR: DAVID SCHUETTE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93159 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 173.4 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 9:00 PROSECTOR: LYNN HORNER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	--------	--------	--------	NOT TAKEN
RT ADRENAL (AD1)	--------	--------	--------	NOT TAKEN
BRAIN (BR)	--------	--------	--------	NOT TAKEN
LF KIDNEY (KD0)	--------	--------	--------	NOT TAKEN
RT KIDNEY (KD1)	--------	--------	--------	NOT TAKEN
LIVER (LI)	7.2825	4.2009 %	--------	WEIGHT TAKEN
LUNG (LU)	--------	--------	--------	NOT TAKEN
LF OVARY (OV0)	--------	--------	--------	NOT TAKEN
RT OVARY (OV1)	--------	--------	--------	NOT TAKEN
SPLEEN (SP)	--------	--------	--------	NOT TAKEN
LF THYROID/PARA (TT0)	--------	--------	--------	NOT TAKEN
RT THYROID/PARA (TT1)	--------	--------	--------	NOT TAKEN
UTERUS (UT)	--------	--------	--------	NOT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-NO MACROSCOPIC LESIONS

HISTOPATHOLOGY

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93159 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, FIRST INTERIM SACRIFICE
DATE OF DEATH: 05/15/98 STUDY DAY OF DEATH: 26 STUDY WEEK OF DEATH: 4 TERMINAL BODY WEIGHT: 173.4 GRAMS
DATE AND TIME OF NECROPSY: 05/15/98 9:00 PROSECTOR: LYNN HORNER RECORDER: DEBBIE PIRKEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: DEBBIE PIRKEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93160 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/27/99 STUDY DAY OF DEATH: 526 STUDY WEEK OF DEATH: 76 TERMINAL BODY WEIGHT: 311.5 GRAMS
DATE AND TIME OF NECROPSY: 09/27/99 12:57 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>WART LIKE LESION(S); NOSE; WEEK 72;
VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; YELLOW HAIR COAT;
VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; SORE/SCAB; PAWS-HIND;
VERIFIED AT NECROPSY: NOT OBSERVED
>APPEARANCE; THIN; VERIFIED AT
NECROPSY: OBSERVED
>APPEARANCE; SWOLLEN; VENTRAL-
ABDOMINAL; VERIFIED AT NECROPSY:
OBSERVED
>BEHAVIOR; COLD TO TOUCH; ENTIRE BODY;
VERIFIED AT NECROPSY: NOT APPLICABLE
>EXCRETION; FEW FECES; VERIFIED AT
NECROPSY: NOT APPLICABLE

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-VACUOLATION, HEPATOCELLULAR,
PERIPORTAL,-SLIGHT
-HYPERPLASIA, BILE DUCT,-SLIGHT
-FIBROSIS, PERIBILIARY,-SLIGHT
-INFILTRATE, MACROPHAGE, PIGMENTED,-
MINIMAL
KIDNEY (KD) :
-PIGMENT, TUBULAR,-MODERATE
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-MODERATE
ADRENAL, CORTEX (AC) :
-VACUOLATION, FOCAL,-MINIMAL
-ANGIECTASIS,-MINIMAL
-PIGMENT,-MINIMAL
MARROW, FEMUR (FM) :
-HYPERPLASIA, MYELOID, MARROW,-SLIGHT
MARROW, STERNUM (SE) :
-HYPERPLASIA, MYELOID, MARROW,-MODERATE
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY
COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-
MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93160 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/27/99 STUDY DAY OF DEATH: 526 STUDY WEEK OF DEATH: 76 TERMINAL BODY WEIGHT: 311.5 GRAMS
DATE AND TIME OF NECROPSY: 09/27/99 12:57 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -CYST,-PRESENT HEART (HT) : -CARDIOMYOPATHY,-SLIGHT -INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-MINIMAL RECTUM (RE) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE -ULCERATION,-MODERATE
	SKIN (SK) : -CRUSTED AREA(S); ATTACHED TO RIGHT NOSTRIL: SINGLE BROWN, DRY, CRUSTED, WART-LIKE AREA, 5 X 1 X 1 MM (CAP 21)	SKIN (SK) : -ACANTHOSIS/HYPERKERATOSIS,-MODERATE -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE -SUPERFICIAL CRUSTING,-MINIMAL CAUSE OF DEATH (CD) : -INFLAMMATION / INFECTION,-PRESENT >NOTE:>PERITONITIS CAVITY, ABDOM (PC) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN -STAINS-PERINEUM/PERIANAL; MOIST YELLOW MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93160 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/27/99 STUDY DAY OF DEATH: 526 STUDY WEEK OF DEATH: 76 TERMINAL BODY WEIGHT: 311.5 GRAMS
DATE AND TIME OF NECROPSY: 09/27/99 12:57 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -GI TRACT-LARGE LUMEN; INVOLVING CECUM, COLON, AND RECTUM: DISTENDED UP TO 27 MM IN DIAMETER AND FILLED WITH A HARD FECAL LIKE MATERIAL; POSSIBLY CONSISTENT WITH SWOLLEN ABDOMEN NOTED IN CLINICAL OBSERVATIONS	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93160 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/27/99 STUDY DAY OF DEATH: 526 STUDY WEEK OF DEATH: 76 TERMINAL BODY WEIGHT: 311.5 GRAMS
DATE AND TIME OF NECROPSY: 09/27/99 12:57 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93161 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 706.9 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 7:41 PROSECTOR: CHANESTA ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-LEFT; VERIFIED AT NECROPSY: NOT OBSERVED	LIVER (LI) : -CYST(S); ALL LOBES: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 1 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS SPLEEN (SP) : -LARGE; 55 X 11 X 7 MM PANCREAS (PA) : -GELATINOUS; DIFFUSE: CLEAR AND TAN -LIGHT FOCUS(I)/AREA(S); DIFFUSE: MULTIPLE TAN AND FIRM AREAS, UP TO 4 MM IN DIAMETER	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MODERATE -GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-MINIMAL -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL -CYST, BILIARY,-PRESENT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATELY SEVERE PANCREAS (PA) : -FIBROSIS,-SEVERE -INFLAMMATION, CHRONIC-ACTIVE,-SEVERE ADRENAL, CORTEX (AC) : -VACUOLATION, FOCAL,-MINIMAL -HYPERTROPHY, CORTICAL CELL,-MINIMAL -PIGMENT,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93161 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 706.9 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 7:41 PROSECTOR: CHANESTA ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, MESENTERIC (MS) : -LARGE; UP TO 20 X 13 X 11 MM; ALL APPEAR CYSTIC	LN, MESENTERIC (MS) : -LYMPHANGIECTASIS,-MODERATE
		MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,-MODERATELY SEVERE
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE
	LUNG (LU) : -ADHESION(S); RIGHT MIDDLE LOBE ADHERED TO RIGHT CAUDAL LOBE: MULTIPLE GREY FIBROUS ADHESIONS	LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT -FIBROSIS, PLEURAL/SUBPLEURAL,-SLIGHT
		PARATHYROID (PT) : >SECTION EXAMINED; TISSUE NOT PRESENT
		ILEUM (IL) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
	CECUM (CE) : -LARGE; 60 X 30 X 7 MM; FILLED WITH A DARK GREEN, SOLID, FECAL-LIKE MATERIAL	CECUM (CE) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
		COLON (CO) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
		RECTUM (RE) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
	MAMMARY, FEMALE (MF) : -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -HYPERPLASIA, GLANDULAR,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93161 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 706.9 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 7:41 PROSECTOR: CHANESTA ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-SLIGHT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, MEDIASTINAL (ML) : -LARGE; UP TO 11 X 10 X 5 MM; ALL APPEAR CYSTIC (CAP 23) FOOT/FOOTPAD (FP) : -CRUSTED AREA(S); RIGHT HINDFOOT: SINGLE DARK RED, DRY CRUSTED AREA, 3 X 2 MM; COLLECTED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	LN, MEDIASTINAL (ML) : -HEMORRHAGE,-PRESENT -LYMPHANGIECTASIS,-MODERATELY SEVERE FOOT/FOOTPAD (FP) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE -ULCERATION,-SLIGHT -ACANTHOSIS / HYPERKERATOSIS,-MODERATE -BACTERIA,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93161 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 706.9 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 7:41 PROSECTOR: CHANESTA ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93162 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 402.8 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 10:14 PROSECTOR: TONY HANFELD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MISSING; TEETH; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); INGUINAL REGION-LEFT; WEEK 102; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MODERATE
-GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-SLIGHT
-PIGMENT, HEPATOCELLULAR, CENTRILOBULAR,-SLIGHT
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
KIDNEY (KD) :
-MINERALIZATION, PELVIC,-MINIMAL
-MINERALIZATION, TUBULAR,-MINIMAL
-HYPERPLASIA, TRANSITIONAL CELL,-MINIMAL
SPLEEN (SP) :
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93162 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 402.8 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 10:14 PROSECTOR: TONY HANFELD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PANCREAS (PA) : -B-ADENOMA, ISLET CELL,-NEOPLASM PRESENT -INFILTRATION, FAT, INTERSTITIAL,-MINIMAL
	ADRENAL, CORTEX (AC) : -LARGE; LEFT: 5 MM IN DIAMETER (RIGHT IS 3 MM IN DIAMETER)	ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-MODERATE -DEGENERATION, CYSTIC / HEMORRHAGIC,-MODERATE -PIGMENT,-MINIMAL
	OVARY (OV) : -CYST(S); BILATERAL: SINGLE CLEAR FLUID FILLED CYST ON EACH, LEFT IS 3 MM IN DIAMETER, RIGHT IS 2 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT -UNILATERALLY EXAMINED,-PRESENT
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE
	LUNG (LU) : -LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN AREAS, UP TO 6 X 4 MM	LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MODERATE
		HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); POSTERIOR ASPECT: SINGLE DARK RED AREA, 3 X 2 MM	PITUITARY (PI) : -ANGIECTASIS,-PRESENT
		MAMMARY, FEMALE (MF) : -HYPERPLASIA, GLANDULAR,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93162 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 402.8 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 10:14 PROSECTOR: TONY HANFELD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 32 X 23 X 15 MM, TAN, RED, AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NORMAL (CAP 22)	MAMMARY, FEMALE (MF) : -B-ADENOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
		LN, INGUINAL (IN) : >TISSUE MISSING
	LN, ANT MES/PANC (AP) : -DIFFUSELY RED; DARK RED (CAP 24)	LN, ANT MES/PANC (AP) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL >NOTE:>SEE PANCREAS FOR DIAGNOSIS
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -MALOCCLUSION; BILATERAL LOWER INCISORS -TEETH MISSING/BROKEN/WORN; BILATERAL UPPER INCISORS: MISSING	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93162 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 402.8 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 10:14 PROSECTOR: TONY HANFELD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93163 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 310.9 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 9:57 PROSECTOR: KEVIN BILLINGS RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0311	.0100 %	.0147	WEIGHT TAKEN
RT ADRENAL (AD1)	.0283	.0091 %	.0133	WEIGHT TAKEN
BRAIN (BR)	2.1210	.6822 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.4342	.4613 %	.6762	WEIGHT TAKEN
RT KIDNEY (KD1)	1.4052	.4520 %	.6625	WEIGHT TAKEN
LIVER (LI)	14.7661	4.7495 %	6.9619	WEIGHT TAKEN
LUNG (LU)	1.4413	.4636 %	.6795	WEIGHT TAKEN
LF OVARY (OV0)	.0617	.0198 %	.0291	WEIGHT TAKEN
RT OVARY (OV1)	.0585	.0188 %	.0276	WEIGHT TAKEN
SPLEEN (SP)	.4675	.1504 %	.2204	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0095	.0031 %	.0045	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0100	.0032 %	.0047	WEIGHT TAKEN
UTERUS (UT)	1.4084	.4530 %	.6640	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT
-PIGMENT, HEPATOCELLULAR, CENTRILOBULAR,-MINIMAL
-NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL
KIDNEY (KD) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-DILATATION, PELVIC,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93163 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 310.9 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 9:57 PROSECTOR: KEVIN BILLINGS RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL
	SPLEEN (SP) : -CYST(S); ALONG MARGIN OF CAUDAL END: SINGLE CLEAR FLUID FILLED CYST, 2 MM IN DIAMETER	SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE -FIBROSIS, CAPSULAR,-PRESENT >NOTE:>FIBROUS TAGS POSSIBLY REMAINS OF CYST WALLS
		ADRENAL, CORTEX (AC) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
		PITUITARY (PI) : -HYPERPLASIA,-SLIGHT
		MAMMARY, FEMALE (MF) : -HYPERPLASIA, GLANDULAR,-MINIMAL -SECRETORY MATERIAL,-PRESENT
		UTERUS (UT) : -DILATATION,-MODERATE
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93163 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 310.9 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 9:57 PROSECTOR: KEVIN BILLINGS RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93164 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 432.4 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 10:08 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>MASS(ES); INGUINAL REGION-LEFT; WEEK 77; 65 X 40MM; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; BLUE SKIN; VENTRAL-ABDOMINAL-LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)
LIVER (LI) :
-RAISED FOCUS(I)/AREA(S); DIAPHRAGMATIC SURFACE OF RIGHT MEDIAN LOBE: SINGLE DARK RED AREA, 2 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION

HISTOPATHOLOGY

BRAIN (BR) :
>UNREMARKABLE
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MODERATE
-GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-MODERATE
-PIGMENT, HEPATOCELLULAR, CENTRILOBULAR,-SLIGHT
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL
-CYST, BILIARY,-PRESENT
-B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-MINERALIZATION, PELVIC,-SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93164 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 432.4 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 10:08 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		KIDNEY (KD) : -HYPERPLASIA, TRANSITIONAL CELL,-MODERATE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-MODERATE -B-ADENOMA, C-CELL,-NEOPLASM PRESENT -B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 7 X 6 X 4 MM, DARK RED, RED AND SOFT SKIN (SK) : >NOTE:>ROUTINE SECTION COLLECTED FROM RIGHT INGUINAL REGION DUE TO MASS	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION, EXTENDING INTO LEFT PERIANAL REGION: SINGLE MASS, 65 X 45 X 30 MM, RED, DARK RED, TAN, FIRM AND LOBULATED; SOME AREAS EXUDE A DARK BROWN SEMIFLUID; PORTION COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -M-CARCINOMA,-NEOPLASM PRESENT -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT -HYPERPLASIA, GLANDULAR,-MINIMAL >NOTE:>FIBROADENOMA IS ON SLIDE 22; NOT NOTED MACROSCOPICALLY MASS 1 IS THE CARCINOMA

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93164 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 432.4 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 10:08 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -CYST(S); RIGHT INGUINAL REGION: MULTIPLE TAN CREAMY SEMIFLUID FILLED CYSTS, UP TO 20 MM IN DIAMETER (CAP 22) >NOTE:>ROUTINE SECTION COLLECTED FROM RIGHT INGUINAL REGION DUE TO MASS	
	UTERUS (UT) : -MASS(ES); WITHIN LUMEN OF MID LEFT HORN: SINGLE MASS, 3 MM IN DIAMETER, TAN AND FIRM; COLLECTED INTACT; REGIONAL LN (LUMBAR) NORMAL (CAP 24)	UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-SLIGHT
		VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-MODERATE
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
		LN, LUMBAR/ILIAC (LM) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATELY SEVERE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93164 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 432.4 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 10:08 PROSECTOR: TODD ACKER RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93165 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 424.3 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 9:53 PROSECTOR: STEVE VAN ADESTINE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-THORACIC; WEEK 93; 30 X 30MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT -MINERALIZATION,-MINIMAL
>SKIN & PELAGE; SORE/SCAB; DORSAL-CERVICAL; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -MOTTLED; ALL LOBES: RED AND TAN	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT -GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-SLIGHT -PIGMENT, HEPATOCELLULAR, CENTRILOBULAR,-MINIMAL -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MODERATE -DEGENERATION, CYSTIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-SLIGHT -B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT
>SKIN & PELAGE; SORE/SCAB; DORSAL-CERVICAL-LEFT; VERIFIED AT NECROPSY: OBSERVED		
>SKIN & PELAGE; SORE/SCAB; DORSAL-CERVICAL-RIGHT; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93165 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 424.3 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 9:53 PROSECTOR: STEVE VAN ADESTINE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT -HYPERTROPHY, CORTICAL CELL,-MINIMAL -PIGMENT,-MINIMAL THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL -N-CARCINOMA,-FROM MAMMARY, FEMALE HEART (HT) : -CARDIOMYOPATHY,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 7 X 6 X 5 MM, RED, DARK RED, GRAY, AND SOFT SKIN (SK) : -CRUSTED AREA(S); BILATERAL SHOULDER REGIONS, DIFFUSE: MULTIPLE BROWN DRY CRUSTED AREAS, UP TO 5 X 2 MM; CONSISTENT WITH ALL SCABS NOTED IN CLINICAL OBSERVATIONS (CAP 23)	PITUITARY (PI) : -ANGIECTASIS,-PRESENT SKIN (SK) : -ACANTHOSIS/HYPERKERATOSIS,-SLIGHT -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT -ULCERATION,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93165 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 424.3 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 9:53 PROSECTOR: STEVE VAN ADESTINE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); VENTRAL CERVICAL REGION: SINGLE MASS, 40 X 30 X 24 MM, DARK RED, TAN, GRAY, BROWN, AND LOBULATED; ON SECTION EXUDES A BROWN CREAMY SEMIFLUID; COLLECTED INTACT; REGIONAL LN (SEE MANDIBULAR)	MAMMARY, FEMALE (MF) : -M-CARCINOMA,-NEOPLASM PRESENT -CYST / GALACTOCELE,-PRESENT -HYPERPLASIA, GLANDULAR,-MINIMAL
	UTERUS (UT) : -CYST(S); BILATERAL, DIFFUSE: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 4 MM IN DIAMETER	UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-MODERATELY SEVERE
	CERVIX (CV) : -MASS(ES); INVOLVING ENTIRE ORGAN: SINGLE MASS, 30 X 23 X 20 MM, RED, DARK RED, TAN, GRAY, LOBULATED, SOFT, AND GELATINOUS; ON SECTION EXUDES A DARK RED FLUID; COLLECTED INTACT; REGIONAL LN (LUMBAR) NORMAL (CAP 24)	CERVIX (CV) : -M-SARCOMA, STROMAL,-NEOPLASM PRESENT -HEMORRHAGE,-PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL (CAP 22)	LN, MANDIBULAR (MN) : >UNREMARKABLE
		LN, LUMBAR/ILIAC (LM) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93165 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 424.3 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 9:53 PROSECTOR: STEVE VAN ADESTINE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93166 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 482.5 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 10:11 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, PINPOINT AND UP TO 3 X 2 MM; COLLECTED ON ROUTINE SECTIONS -RAISED FOCUS(I)/AREA(S); ONE PAPILLARY PROCESS: SINGLE BROWN AREA, 6 X 6 X 1 MM (CAP 22)	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-SLIGHT -VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-SLIGHT -FIBROSIS, PERIBILIARY,-SLIGHT -B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT
	ADRENAL, CORTEX (AC) : -RED FOCUS(I)/AREAS(I); RIGHT: SINGLE DARK RED AREA, 3 MM IN DIAMETER	ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-SLIGHT -DEGENERATION, CYSTIC / HEMORRHAGIC,-SLIGHT -PIGMENT,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93166 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 482.5 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 10:11 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	OVARY (OV) : -CYST(S); BILATERAL: SINGLE CLEAR FLUID FILLED CYST ON EACH, RIGHT IS 3 MM IN DIAMETER, LEFT IS 9 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE
	LUNG (LU) : -LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE WHITE AREAS, UP TO 12 X 10 MM	LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
		THYROID (TY) : -HYPERPLASIA, C-CELL,-SLIGHT
		RECTUM (RE) : -PARASITISM,-PRESENT
	SKIN (SK) : -MASS(ES); RIGHT INGUINAL REGION: SINGLE MASS, 12 X 12 X 8 MM, RED, TAN, AND FIRM; SAME ON CUT SURFACE (CAP 23); REGIONAL LN (INGUINAL) NOT IDENTIFIED	SKIN (SK) : -CYST, EPIDERMAL INCLUSION,-PRESENT
		MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93166 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 482.5 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 10:11 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	UTERUS (UT) : -CYST(S); LEFT HORN, WITHIN WALLS, NEAR BIFURCATION: SINGLE CLEAR FLUID FILLED CYST, 13 X 5 X 5 MM	UTERUS (UT) : -B-POLYP, ENDOMETRIAL, STROMAL,-NEOPLASM PRESENT VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93166 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 482.5 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 10:11 PROSECTOR: GREGORY CODDINGTON RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), URINARY BLADDER (UB), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93167 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/12/99 STUDY DAY OF DEATH: 268 STUDY WEEK OF DEATH: 39 TERMINAL BODY WEIGHT: 225.0 GRAMS
DATE AND TIME OF NECROPSY: 01/12/98 14:30 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: NOT OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

LIVER (LI) :
-MOTTLED; ALL LOBES: TAN AND BROWN

KIDNEY (KD) :
-ROUGH SURFACE, DIFFUSE; BILATERAL

SPLEEN (SP) :
-SMALL; 25 X 8 X 6 MM

HISTOPATHOLOGY

LIVER (LI) :
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SEVERE
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-MINERALIZATION, PELVIC,-MINIMAL
-VACUOLATION, TUBULAR EPITHELIUM,-SLIGHT
SPLEEN (SP) :
-PIGMENT, INCREASED,-MINIMAL
PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-MODERATELY SEVERE
MARROW, FEMUR (FM) :
-HYPOCELLULAR, MARROW,-SLIGHT
MARROW, STERNUM (SE) :
-HYPOCELLULAR, MARROW,-SLIGHT
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE
LUNG (LU) :
-MINERALIZATION, VASCULAR,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93167 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/12/99 STUDY DAY OF DEATH: 268 STUDY WEEK OF DEATH: 39 TERMINAL BODY WEIGHT: 225.0 GRAMS
DATE AND TIME OF NECROPSY: 01/12/98 14:30 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ESOPHAGUS (ES) : -HYPERKERATOSIS,-SLIGHT
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: MULTIPLE TAN ERODED AREAS, UP TO 3 X 2 MM	STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-SLIGHT -INFLAMMATION, SUBACUTE,-SLIGHT -ULCERATION,-MINIMAL
		VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT
		CAUSE OF DEATH (CD) : -UNDETERMINED MICROSCOPICALLY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -TEETH MISSING/BROKEN/WORN; MISSING, BILATERAL LOWER INCISORS -DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY -ANIMAL THIN -STAINS-PERINEUM/PERIANAL; YELLOW AND MOIST	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93167 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/12/99 STUDY DAY OF DEATH: 268 STUDY WEEK OF DEATH: 39 TERMINAL BODY WEIGHT: 225.0 GRAMS
DATE AND TIME OF NECROPSY: 01/12/98 14:30 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93168 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 372.2 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 7:45 PROSECTOR: TONY HANFELD RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT -GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-SLIGHT -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, TUBULAR,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATELY SEVERE ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-MODERATE -DEGENERATION, CYSTIC / HEMORRHAGIC,-MINIMAL -HYPERPLASIA, CORTICAL,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93168 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 372.2 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 7:45 PROSECTOR: TONY HANFELD RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -PIGMENT,-MINIMAL
	OVARY (OV) : -CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 4 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT -UNILATERALLY EXAMINED,-PRESENT
	LUNG (LU) : -LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN AREAS, UP TO 6 X 4 MM	LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL -INFILTRATE, MACROPHAGE, ALVEOLAR,-MODERATELY SEVERE
		HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
		THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -LARGE; 6 X 5 X 3 MM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT
		UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-SLIGHT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	CAVITY, ABDOM (PC) : -MASS(ES); ATTACHED TO ADIPOSE TISSUE OF RIGHT OVARY: SINGLE MASS, 18 X 8 X 8 MM, TAN, GREEN AND FIRM; SAME ON CUT SURFACE (CAP 22); REGIONAL LN (LUMBAR) NORMAL (CAP 23)	CAVITY, ABDOM (PC) : -INFLAMMATION / NECROSIS, FAT,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93168 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/20/00 STUDY DAY OF DEATH: 732 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 372.2 GRAMS
DATE AND TIME OF NECROPSY: 04/20/00 7:45 PROSECTOR: TONY HANFELD RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN), LN, LUMBAR/ILIAC (LM)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93169 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 232.8 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 10:51 PROSECTOR: LAURIE J. SCHULLER RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0281	.0121 %	.0141	WEIGHT TAKEN
RT ADRENAL (AD1)	.0250	.0107 %	.0125	WEIGHT TAKEN
BRAIN (BR)	1.9996	.8589 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.1705	.5028 %	.5854	WEIGHT TAKEN
RT KIDNEY (KD1)	1.1404	.4899 %	.5703	WEIGHT TAKEN
LIVER (LI)	10.6066	4.5561 %	5.3044	WEIGHT TAKEN
LUNG (LU)	1.0841	.4657 %	.5422	WEIGHT TAKEN
LF OVARY (OV0)	.0604	.0259 %	.0302	WEIGHT TAKEN
RT OVARY (OV1)	.0631	.0271 %	.0316	WEIGHT TAKEN
SPLEEN (SP)	.4329	.1860 %	.2165	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0062	.0027 %	.0031	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0092	.0040 %	.0046	WEIGHT TAKEN
UTERUS (UT)	1.3993	.6011 %	.6998	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

STOMACH, GL (ST) :
-DARK FOCUS(I)/AREA(S); MUCOSA: SINGLE
DARK BROWN FOCUS, 2 MM IN DIAMETER

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR,
CENTRILOBULAR POLYKARYOCYTOSIS
OCCASIONALLY NOTED,-SLIGHT
-NECROSIS, INDIVIDUAL HEPATOCYTE,-
MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
STOMACH, GL (ST) :
>NOT REQUIRED TO BE EXAMINED FOR ANIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93169 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, SECOND INTERIM SACRIFICE
DATE OF DEATH: 07/21/98 STUDY DAY OF DEATH: 93 STUDY WEEK OF DEATH: 14 TERMINAL BODY WEIGHT: 232.8 GRAMS
DATE AND TIME OF NECROPSY: 07/21/98 10:51 PROSECTOR: LAURIE J. SCHULLER RECORDER: KIMBERLY DURLAND
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JILL PAUS

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

UTERUS (UT) :
-LUMEN FILLED WITH FLUID; BILATERAL: CLEAR FLUID

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

UTERUS (UT) :
>NOT REQUIRED TO BE EXAMINED FOR ANIMAL

CAUSE OF DEATH (CD) :
-SCHEDULED SACRIFICE,-PRESENT

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93170 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/01/00 STUDY DAY OF DEATH: 653 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 340.0 GRAMS
DATE AND TIME OF NECROPSY: 02/01/00 13:33 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>EYES; RED DISCHARGE; EYE-LEFT; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) :	LIVER (LI) :
	-DIFFUSELY DARK; ALL LOBES: DARK BROWN	-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE	-MASS(ES); ONE PAPILLARY PROCESS, INVOLVING ENTIRE LOBE: SINGLE MASS, 20 X 15 X 10 MM, RED, DARK RED, BROWN, VASCULAR AND FIRM; SAME ON CUT SURFACE (CAP 21); REGIONAL LN (HEPATIC) NORMAL (CAP 22)	-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT
		-NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL
		-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL
		-HYPERPLASIA, BILE DUCT,-MINIMAL
		-M-CARCINOMA, HEPATOCELLULAR,-NEOPLASM PRESENT
		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
		SPLEEN (SP) :
		-PIGMENT, INCREASED,-MODERATE
		ADRENAL, CORTEX (AC) :
		-PIGMENT,-MINIMAL
	OVARY (OV) :	OVARY (OV) :
	-CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 10 MM IN DIAMETER	-CYST,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93170 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/01/00 STUDY DAY OF DEATH: 653 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 340.0 GRAMS
DATE AND TIME OF NECROPSY: 02/01/00 13:33 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, FEMUR (FM) : -HYPOCELLULAR, MARROW,-MODERATELY SEVERE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT
	LUNG (LU) : -LIGHT FOCUS(I)/AREA(S); RIGHT CAUDAL LOBE: MULTIPLE TAN AREAS, UP TO 10 X 5 MM	LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT
		HEART (HT) : -CARDIOMYOPATHY,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 13 X 7 X 6 MM, RED, DARK RED, TAN, GRAY AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,-NEOPLASM PRESENT >NOTE:>SEE SLIDE #19 VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT -HYPERPLASIA, MUCINOUS,-MODERATE CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT LN, OTHER (LN) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93170 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/01/00 STUDY DAY OF DEATH: 653 STUDY WEEK OF DEATH: 94 TERMINAL BODY WEIGHT: 340.0 GRAMS
DATE AND TIME OF NECROPSY: 02/01/00 13:33 PROSECTOR: GREGORY CODDINGTON RECORDER: GREGORY CODDINGTON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: RED AND DRY	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93171 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 350.6 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 8:35 PROSECTOR: JOHN S. HALFORD RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

ORGAN NAME	ABSOLUTE ORGAN WEIGHT (GRAMS)	ORGAN WEIGHT RELATIVE TO BODY WEIGHT (%)	ORGAN TO BRAIN WEIGHT RATIO	O R G A N S T A T U S
LF ADRENAL (AD0)	.0262	.0075 %	.0122	WEIGHT TAKEN
RT ADRENAL (AD1)	.0341	.0097 %	.0159	WEIGHT TAKEN
BRAIN (BR)	2.1395	.6102 %	1.0000	WEIGHT TAKEN
LF KIDNEY (KD0)	1.1620	.3314 %	.5431	WEIGHT TAKEN
RT KIDNEY (KD1)	1.1783	.3361 %	.5507	WEIGHT TAKEN
LIVER (LI)	13.5288	3.8588 %	6.3233	WEIGHT TAKEN
LUNG (LU)	1.4643	.4177 %	.6844	WEIGHT TAKEN
LF OVARY (OV0)	.0765	.0218 %	.0358	WEIGHT TAKEN
RT OVARY (OV1)	.0678	.0193 %	.0317	WEIGHT TAKEN
SPLEEN (SP)	.4089	.1166 %	.1911	WEIGHT TAKEN
LF THYROID/PARA (TT0)	.0117	.0033 %	.0055	WEIGHT TAKEN
RT THYROID/PARA (TT1)	.0214	.0061 %	.0100	WEIGHT TAKEN
UTERUS (UT)	1.2207	.3482 %	.5706	WEIGHT TAKEN

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>NORMAL; NO REMARKABLE OBSERVATIONS;
VERIFIED AT NECROPSY: OBSERVED

NECROPSY

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR,
CENTRILOBULAR POLYKARYOCYTOSIS
OCCASIONALLY NOTED,-MINIMAL
-PIGMENT, HEPATOCELLULAR,
CENTRILOBULAR,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
ADRENAL, CORTEX (AC) :
-HYPERPLASIA, CORTICAL,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93171 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 350.6 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 8:35 PROSECTOR: JOHN S. HALFORD RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -HEMORRHAGE,-PRESENT
	LUNG (LU) : -LIGHT FOCUS(I)/AREA(S); RIGHT CAUDAL LOBE: TWO TAN AREAS, ONE IS 3 X 2 MM, THE OTHER IS 2 X 1 MM	LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT
	PITUITARY (PI) : -LARGE; 5 X 4 X 4 MM; APPEARS SWOLLEN	PITUITARY (PI) : >UNREMARKABLE
		MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT
	UTERUS (UT) : -LUMEN FILLED WITH FLUID; BILATERAL: CLEAR FLUID	UTERUS (UT) : -DILATATION,-MINIMAL
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93171 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, THIRD INTERIM SACRIFICE
DATE OF DEATH: 04/20/99 STUDY DAY OF DEATH: 366 STUDY WEEK OF DEATH: 53 TERMINAL BODY WEIGHT: 350.6 GRAMS
DATE AND TIME OF NECROPSY: 04/20/99 8:35 PROSECTOR: JOHN S. HALFORD RECORDER: TONY HANFELD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: JARED FISHEL

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), KIDNEY (KD), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93172 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/17/99 STUDY DAY OF DEATH: 546 STUDY WEEK OF DEATH: 78 TERMINAL BODY WEIGHT: 212.6 GRAMS
DATE AND TIME OF NECROPSY: 10/17/99 14:31 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EYES; SQUINTED; PERI-ORBITAL-RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE >APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE >EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE >APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED >APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE >BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE >BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE >EYES; RED DISCHARGE; EYE-RIGHT; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LIVER (LI) : -LIGHT FOCUS(I)/AREA(S); VISCERAL SURFACE OF LEFT LATERAL LOBE: SINGLE TAN FOCUS, 1 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION THYMUS (TH) : -MISSING/NOT IDENTIFIED; NOT POSITIVELY IDENTIFIED; POSSIBLE REMNANTS COLLECTED	BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MINIMAL -INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT -LIPIDOSIS, SUBCAPSULAR (TENSION LIPIDOSIS),-MINIMAL KIDNEY (KD) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -MINERALIZATION, PELVIC,-MINIMAL -MINERALIZATION, TUBULAR,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT -PIGMENT,-MINIMAL THYMUS (TH) : >SECTION EXAMINED; TISSUE NOT PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93172 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/17/99 STUDY DAY OF DEATH: 546 STUDY WEEK OF DEATH: 78 TERMINAL BODY WEIGHT: 212.6 GRAMS
DATE AND TIME OF NECROPSY: 10/17/99 14:31 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL
	ESOPHAGUS (ES) : -MASS(ES); 11 MM FROM EPIGLOTTIS, ATTACHED TO WALL WITHIN LUMEN: SINGLE TAN AND FIRM MASS, 2 X 2 X 1 MM; CUT SURFACE HAS A FIRM PLASTIC-LIKE AREA, 1 MM IN DIAMETER; COLLECTED INTACT; REGIONAL LN (MEDIASTINAL) NORMAL (CAP 21)	ESOPHAGUS (ES) : >UNREMARKABLE
	PITUITARY (PI) : -MASS(ES); 14 X 13 X 10 MM, RED, DARK RED, GREY, LOBULATED AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		RECTUM (RE) : -PARASITISM,-PRESENT
		MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT
		VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
		LN, MEDIASTINAL (ML) : >TISSUE MISSING
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; RIGHT: DRY, RED MATERIAL -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93172 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/17/99 STUDY DAY OF DEATH: 546 STUDY WEEK OF DEATH: 78 TERMINAL BODY WEIGHT: 212.6 GRAMS
DATE AND TIME OF NECROPSY: 10/17/99 14:31 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93173 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/28/00 STUDY DAY OF DEATH: 709 STUDY WEEK OF DEATH: 102 TERMINAL BODY WEIGHT: 394.3 GRAMS
DATE AND TIME OF NECROPSY: 03/28/00 11:17 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>MASS(ES); SHOULDER-RIGHT; WEEK 88; 20 X 30MM; VERIFIED AT NECROPSY: OBSERVED
>DISCHARGE; NASAL; RED IN COLOR; VERIFIED AT NECROPSY: OBSERVED
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

LIVER (LI) :
-DIFFUSELY LIGHT; ALL LOBES: TAN

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT
-GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-MINIMAL
-PIGMENT, HEPATOCELLULAR, CENTRILOBULAR,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MODERATELY SEVERE
-HYPERPLASIA, BILE DUCT,-MINIMAL
-FIBROSIS, PERIBILIARY,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-MINERALIZATION, PELVIC,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93173 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/28/00 STUDY DAY OF DEATH: 709 STUDY WEEK OF DEATH: 102 TERMINAL BODY WEIGHT: 394.3 GRAMS
DATE AND TIME OF NECROPSY: 03/28/00 11:17 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-MODERATE
	ADRENAL, CORTEX (AC) : -DIFFUSELY RED; LEFT: DARK RED -SMALL; RIGHT: 3 X 3 X 2 MM (LEFT IS 5 X 4 X 3 MM)	ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-MODERATE -DEGENERATION, CYSTIC / HEMORRHAGIC,-MODERATE -PIGMENT,-SLIGHT
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE
	LUNG (LU) : -LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN AREAS, UP TO 6 MM IN DIAMETER	LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT
		HEART (HT) : -CARDIOMYOPATHY,-MINIMAL
	THYROID (TY) : -LARGE; RIGHT: 4 X 3 X 3 MM (LEFT IS 3 X 2 X 1 MM)	THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 7 MM IN DIAMETER, BROWN, RED, TAN, VASCULAR AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -RED FOCUS(I)/AREA(S); MUCOSA: MULTIPLE DARK RED AREAS, UP TO 3 X 1 MM	STOMACH, GL (ST) : >UNREMARKABLE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93173 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/28/00 STUDY DAY OF DEATH: 709 STUDY WEEK OF DEATH: 102 TERMINAL BODY WEIGHT: 394.3 GRAMS
DATE AND TIME OF NECROPSY: 03/28/00 11:17 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT LATERAL CERVICAL REGION: SINGLE MASS, 30 X 20 X 20 MM, DARK RED, RED, TAN, VASCULAR, LOBULATED AND FIRM; SAME ON CUT SURFACE; SOME SECTIONS EXUDE A DARK RED FLUID; COLLECTED; REGIONAL LN (MANDIBULAR) NORMAL (CAP 21) -THICKENED; ALL REGIONS: DIFFUSE; COLLECTED ON ROUTINE SECTION -CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE WHITE SEMIFLUID FILLED CYSTS, UP TO 2 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -M-CARCINOMA,-NEOPLASM PRESENT -CYST / GALACTOCELE,-PRESENT
	VAGINA (VA) : -SEMIFLUID MATERIAL; WITHIN LUMEN: CONTAINS A LIGHT GREEN SEMIFLUID MATERIAL	VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED, DRY MATERIAL -DISCHARGE-NASAL; DARK RED, DRY MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93173 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 03/28/00 STUDY DAY OF DEATH: 709 STUDY WEEK OF DEATH: 102 TERMINAL BODY WEIGHT: 394.3 GRAMS
DATE AND TIME OF NECROPSY: 03/28/00 11:17 PROSECTOR: JERALD W. JOHNSON RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93174 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 458.2 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 11:17 PROSECTOR: GREGORY CODDINGTON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED >MASS(ES); VENTRAL-THORACIC; WEEK 100; 30 X 20 MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT -GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-MODERATE -PIGMENT, HEPATOCELLULAR, CENTRILOBULAR,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT -PIGMENT,-MINIMAL ADRENAL, MEDULLA (MA) : -B-PHEOCHROMOCYTOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93174 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 458.2 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 11:17 PROSECTOR: GREGORY CODDINGTON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-SLIGHT
	PITUITARY (PI) : -MASS(ES); 7 X 6 X 5 MM, RED, DARK RED AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		SKIN (SK) : -B-LIPOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); VENTRAL THORACIC REGION: SINGLE MASS, 45 X 30 X 15 MM, TAN AND SOFT; SAME ON CUT SURFACE; (CAP 22); REGIONAL LN (AXILLARY) NORMAL (CAP 23) -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -HYPERPLASIA, GLANDULAR,-MODERATELY SEVERE >NOTE:>SEE ALSO SKIN
	CERVIX (CV) : -LARGE; 8 MM IN DIAMETER	CERVIX (CV) : -HYPERPLASIA, MUCINOUS,-SEVERE
		VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-SEVERE
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93174 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/19/00 STUDY DAY OF DEATH: 731 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 458.2 GRAMS
DATE AND TIME OF NECROPSY: 04/19/00 11:17 PROSECTOR: GREGORY CODDINGTON RECORDER: TERRI L. WILLIAMS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), HEMATO NEOPLASIA (HN), LN, AXILLARY (AX)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93175 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/20/00 STUDY DAY OF DEATH: 641 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: 195.5 GRAMS
DATE AND TIME OF NECROPSY: 01/20/00 10:20 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 75; 60 X 50MM; VERIFIED AT NECROPSY: OBSERVED		EYE (EY) : -INFLAMMATION, ACUTE,-MODERATE -ULCERATION, CORNEAL,-MODERATE
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : >UNREMARKABLE
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE	LIVER (LI) : -DIFFUSELY DARK; ALL LOBES: DARK BROWN	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT -GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-MODERATE -PIGMENT, HEPATOCELLULAR, CENTRILOBULAR,-SLIGHT -HYPERPLASIA, BILE DUCT,-SLIGHT -FIBROSIS, PERIBILIARY,-SLIGHT -INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT
>APPEARANCE; TREMORS; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE		
>BEHAVIOR; COLD TO TOUCH; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE		
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		
		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT -MINERALIZATION, TUBULAR,-MODERATE
	SPLEEN (SP) : -SMALL; 24 X 5 X 3 MM	SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93175 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/20/00 STUDY DAY OF DEATH: 641 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: 195.5 GRAMS
DATE AND TIME OF NECROPSY: 01/20/00 10:20 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-MODERATE ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-MODERATE -DEGENERATION, CYSTIC / HEMORRHAGIC,-MODERATE ADRENAL, MEDULLA (MA) : -UNILATERALLY EXAMINED,-PRESENT MARROW, FEMUR (FM) : -HYPOCELLULAR, MARROW,-MODERATE -CONGESTION,-PRESENT MARROW, STERNUM (SE) : -HYPOCELLULAR, MARROW,-MODERATE -CONGESTION,-PRESENT THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE
	LUNG (LU) : -LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN AREAS, UP TO 6 X 4 MM	LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MODERATE HEART (HT) : -CARDIOMYOPATHY,-MODERATE -MINERALIZATION, VASCULAR,-MODERATE -MINERALIZATION,-MODERATE
	PITUITARY (PI) : -MASS(ES); 5 MM IN DIAMETER, DARK RED, TAN AND FIRM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93175 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/20/00 STUDY DAY OF DEATH: 641 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: 195.5 GRAMS
DATE AND TIME OF NECROPSY: 01/20/00 10:20 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 60 X 39 X 15 MM, DARK RED, TAN, LOBULATED AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (INGUINAL) NOT IDENTIFIED VAGINA (VA) : -SEMIFLUID MATERIAL; WITHIN LUMEN: LIGHT GREEN MUCOID MATERIAL GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; DRY RED MATERIAL -ANIMAL THIN -GI TRACT-DARK FLUID CONTENT; ALONG ENTIRE LENGTH: DARK BROWN MATERIAL	MAMMARY, FEMALE (MF) : -M-CARCINOMA,-NEOPLASM PRESENT -CYST / GALACTOCELE,-PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT VAGINA (VA) : >UNREMARKABLE CAUSE OF DEATH (CD) : -NEOPLASM, MAMMARY GLAND,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93175 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/20/00 STUDY DAY OF DEATH: 641 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: 195.5 GRAMS
DATE AND TIME OF NECROPSY: 01/20/00 10:20 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93176 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/23/99 STUDY DAY OF DEATH: 613 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: 258.1 GRAMS
DATE AND TIME OF NECROPSY: 12/23/99 9:51 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>MASS(ES); INGUINAL REGION-LEFT; WEEK 72; 30 X 20MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); INGUINAL REGION-RIGHT; WEEK 79; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; BLACK SKIN; VENTRAL-ABDOMINAL-LEFT; VERIFIED AT NECROPSY: NOT OBSERVED
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; RECUMBENT; LATERAL; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT
-GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-SLIGHT
-PIGMENT, HEPATOCELLULAR, CENTRILOBULAR,-MINIMAL
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
-DEGENERATION, CYSTIC,-MINIMAL
-HYPERPLASIA, BILE DUCT,-SLIGHT
-FIBROSIS, PERIBILIARY,-SLIGHT
KIDNEY (KD) :
-MINERALIZATION, PELVIC,-MINIMAL
-INFLAMMATION, SUPPURATIVE, PELVIC,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
ADRENAL, CORTEX (AC) :
-ANGIECTASIS,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93176 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/23/99 STUDY DAY OF DEATH: 613 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: 258.1 GRAMS
DATE AND TIME OF NECROPSY: 12/23/99 9:51 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -HYPERPLASIA, CORTICAL,-MINIMAL -PIGMENT,-SLIGHT THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT -CYST,-PRESENT LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 12 X 10 X 8 MM, DARK RED, TAN, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		STOMACH, GL (ST) : -EDEMA,-MODERATE -INFLAMMATION, ACUTE,-SLIGHT
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: MULTIPLE TAN ERODED AREAS, UP TO 5 X 2 MM	STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-MODERATE -ULCERATION,-MODERATE -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE
		MAMMARY, FEMALE (MF) : -M-CARCINOMA,-NEOPLASM PRESENT -CYST / GALACTOCELE,-PRESENT -HYPERPLASIA, GLANDULAR,-MINIMAL -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93176 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/23/99 STUDY DAY OF DEATH: 613 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: 258.1 GRAMS
DATE AND TIME OF NECROPSY: 12/23/99 9:51 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT PERINEAL REGION: SINGLE MASS, 25 X 25 X 15 MM, DARK RED, TAN, AND SOFT; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED -MASS #2; RIGHT INGUINAL REGION: SINGLE MASS, 15 X 15 X 10 MM, RED, DARK RED, TAN, AND SOFT; CUT SURFACE CONTAINS A DARK RED SEMISOLID; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : >NOTE:>MASS #1 IS THE CARCINOMA
		UTERUS (UT) : -DILATATION,-SLIGHT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY -ANIMAL THIN -DISCHARGE-NASAL; DARK RED AND DRY	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93176 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/23/99 STUDY DAY OF DEATH: 613 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: 258.1 GRAMS
DATE AND TIME OF NECROPSY: 12/23/99 9:51 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93177 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 328.2 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 11:28 PROSECTOR: JOHN S. HALFORD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); DIAPHRAGMATIC SURFACE OF RIGHT MEDIAN LOBE: MULTIPLE DARK RED AREAS, UP TO 4 X 3 MM; COLLECTED ON ROUTINE SECTION	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MINIMAL -GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-SLIGHT -PIGMENT, HEPATOCELLULAR, CENTRILOBULAR,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MODERATELY SEVERE -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL -FIBROSIS, PERIBILIARY,-MINIMAL -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-SLIGHT -HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93177 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 328.2 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 11:28 PROSECTOR: JOHN S. HALFORD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	ADRENAL, CORTEX (AC) : -LARGE; RIGHT: 5 MM IN DIAMETER (LEFT IS 3 MM IN DIAMETER)	ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-MODERATELY SEVERE -DEGENERATION, CYSTIC / HEMORRHAGIC,-MODERATE -PIGMENT,-MINIMAL
		OVARY (OV) : -HYPERPLASIA, GRANULOSA CELL,-MODERATE
	PITUITARY (PI) : -DARK FOCUS(I)/AREA(S); DIFFUSE: MULTIPLE BLACK AREAS, UP TO 3 X 2 MM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) : -HYPERPLASIA, GLANDULAR,-MINIMAL
		URINARY BLADDER (UB) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		UTERUS (UT) : -DILATATION,-SLIGHT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -MALOCCLUSION; BILATERAL UPPER INCISORS	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93177 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 328.2 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 11:28 PROSECTOR: JOHN S. HALFORD RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93178 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 365.0 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 7:49 PROSECTOR: STEVE VAN ADESTINE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>EYES; RED DISCHARGE; EYE-LEFT; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT -GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-MODERATE -PIGMENT, HEPATOCELLULAR, CENTRILOBULAR,-MINIMAL -HYPERPLASIA, BILE DUCT,-SLIGHT -FIBROSIS, PERIBILIARY,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,- MINIMAL -MINERALIZATION, PELVIC,-MINIMAL
	SPLEEN (SP) : -SMALL; 34 X 6 X 4 MM	SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE
		PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-SLIGHT
		ADRENAL, CORTEX (AC) : -PIGMENT,-MINIMAL
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),- SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93178 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 365.0 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 7:49 PROSECTOR: STEVE VAN ADESTINE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL
		THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -LARGE; 5 X 6 X 7 MM, APPEARS SWOLLEN -DARK FOCUS(I)/AREA(S); ANTERIOR ASPECT: MULTIPLE BLACK AREAS, UP TO 3 X 1 MM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -HYPERPLASIA, GLANDULAR,-MODERATE
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -DISCHARGE-OCULAR; LEFT: DARK RED, DRY, CRUSTED MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93178 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 365.0 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 7:49 PROSECTOR: STEVE VAN ADESTINE RECORDER: LAURIE J. SCHULLER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93179 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 297.5 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 10:16 PROSECTOR: TROY ELLENBECKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-LEFT; WEEK 95; 40 X 40MM; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) :	LIVER (LI) :
	-LIGHT FOCUS(I)/AREA(S); JUNCTION OF MEDIAN LOBE: SINGLE TAN AREA, 3 X 2 MM (CAP 22)	-INFILTRATE, LYMPHOHISTIOCYTIC,-SLIGHT
		-HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT
		-NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL
		-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
		-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
		-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-SLIGHT
		-HYPERPLASIA, BILE DUCT,-SLIGHT
		-INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT
>SKIN & PELAGE; SORE/SCAB; AXILLARY REGION-LEFT; VERIFIED AT NECROPSY: OBSERVED		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
		-MINERALIZATION, PELVIC,-SLIGHT
		SPLEEN (SP) :
		-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE
		ADRENAL, CORTEX (AC) :
		-PIGMENT,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93179 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 297.5 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 10:16 PROSECTOR: TROY ELLENBECKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, MEDULLA (MA) : -UNILATERALLY EXAMINED,-PRESENT OVARY (OV) : -HYPERPLASIA, GRANULOSA CELL,-SEVERE MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,-MODERATE MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-MODERATE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-SLIGHT -B-ADENOMA, C-CELL,-NEOPLASM PRESENT PITUITARY (PI) : -HYPERPLASIA,-MODERATE RECTUM (RE) : -PARASITISM,-PRESENT MAMMARY, FEMALE (MF) : -M-CARCINOMA,-NEOPLASM PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93179 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 297.5 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 10:16 PROSECTOR: TROY ELLENBECKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 40 X 25 X 20 MM, RED, TAN, AND FIRM; SAME ON CUT SURFACE; SOME SECTIONS EXUDE A TAN CASEOUS MATERIAL; OVERLYING SKIN HAS A SINGLE MOIST TAN AND ERODED AREA, 8 MM IN DIAMETER; COLLECTED INTACT WITH MASS; REGIONAL LN (SEE AXILLARY)	
	UTERUS (UT) : -CYST(S); LEFT, WITHIN WALL: SINGLE CLEAR FLUID FILLED CYST, 10 X 5 X 5 MM	UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-MINIMAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, AXILLARY (AX) : -LARGE; LEFT: 10 X 7 X 2 MM (RIGHT IS 5 X 2 X 1 MM) (CAP 23)	LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATELY SEVERE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93179 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: SCHEDULED, TERMINAL SACRIFICE
DATE OF DEATH: 04/21/00 STUDY DAY OF DEATH: 733 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 297.5 GRAMS
DATE AND TIME OF NECROPSY: 04/21/00 10:16 PROSECTOR: TROY ELLENBECKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), LN, MESENTERIC (MS), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93180 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/28/99 STUDY DAY OF DEATH: 435 STUDY WEEK OF DEATH: 63 TERMINAL BODY WEIGHT: 578.3 GRAMS
DATE AND TIME OF NECROPSY: 06/28/99 14:15 PROSECTOR: KEVIN BILLINGS RECORDER: KEVIN BILLINGS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-THORACIC-LEFT; WEEK 56; 110 X 80MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LIVER (LI) : -LARGE; ALL LOBES: THICKENED	BRAIN (BR) : >UNREMARKABLE LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-MINIMAL -PIGMENT, HEPATOCELLULAR, CENTRILOBULAR,-SLIGHT -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL -CYST, BILIARY,-PRESENT KIDNEY (KD) : -MINERALIZATION, TUBULAR,-MINIMAL SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT ADRENAL, CORTEX (AC) : -PIGMENT,-MINIMAL THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93180 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/28/99 STUDY DAY OF DEATH: 435 STUDY WEEK OF DEATH: 63 TERMINAL BODY WEIGHT: 578.3 GRAMS
DATE AND TIME OF NECROPSY: 06/28/99 14:15 PROSECTOR: KEVIN BILLINGS RECORDER: KEVIN BILLINGS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LUNG (LU) : -LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE LIGHT AREAS, UP TO 4 X 3 MM PITUITARY (PI) : -LARGE; 7 X 7 X 5 MM; APPEARS SWOLLEN -RED FOCUS(I)/AREA(S); RIGHT ASPECT: SINGLE DARK RED AREA, 2 MM IN DIAMETER MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY, EXTENDING TO LEFT ABDOMINAL REGION: SINGLE MASS, 130 X 80 X 70 MM (277.8 GRAMS), RED, TAN AND FIRM; SAME ON CUT SURFACE; PORTION COLLECTED; REGIONAL LN (AXILLARY) NOT IDENTIFIED GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT SKIN (SK) : -M-FIBROSARCOMA,-NEOPLASM PRESENT MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT >NOTE:>SEE SKIN FOR DIAGNOSIS CAUSE OF DEATH (CD) : -NEOPLASM, SKIN/MUSCLE/SUBCUTIS,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93180 SEX: FEMALE DOSE GROUP: 5 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 06/28/99 STUDY DAY OF DEATH: 435 STUDY WEEK OF DEATH: 63 TERMINAL BODY WEIGHT: 578.3 GRAMS
DATE AND TIME OF NECROPSY: 06/28/99 14:15 PROSECTOR: KEVIN BILLINGS RECORDER: KEVIN BILLINGS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93181 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 437.9 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 10:50 PROSECTOR: JOHN S. HALFORD RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, TUBULAR,-MINIMAL
	OVARY (OV) : -CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 3 MM IN DIAMETER	OVARY (OV) : >UNREMARKABLE
		THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT MAMMARY, FEMALE (MF) : -HYPERPLASIA, GLANDULAR,-MINIMAL
	CERVIX (CV) : -MASS(ES); WITHIN LUMEN, EXTENDING INTO VAGINA: SINGLE MASS, 9 X 5 X 5 MM, DARK RED, LOBULATED AND SOFT; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (LUMBAR) NORMAL (CAP 22)	CERVIX (CV) : -B-POLYP, STROMAL,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93181 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 437.9 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 10:50 PROSECTOR: JOHN S. HALFORD RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY

GENERAL COMMENT (GC) :
-BONE MARROW SMEAR TAKEN
-MALOCCLUSION; BILATERAL: UPPER INCISORS

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), LUNG (LU), PARATHYROID (PT), URINARY BLADDER (UB), LN, LUMBAR/ILIAC (LM)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93182 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 506.4 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 10:05 PROSECTOR: JOHN S. HALFORD RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-LEFT; WEEK 102; 15 X 15MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LIVER (LI) : -RED FOCUS(I)/AREA(S); DIAPHRAGMATIC SURFACE OF RIGHT MEDIAN LOBE: SINGLE DARK RED FOCUS, 5 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION -CYST(S); LEFT LATERAL LOBE ALONG MARGIN: SINGLE CLEAR FLUID FILLED CYST, 3 MM IN DIAMETER; COLLECTED ON ROUTINE SECTION PITUITARY (PI) : -MASS(ES); 7 X 5 X 4 MM, DARK RED AND SOFT	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -CYST, BILIARY,-PRESENT KIDNEY (KD) : -MINERALIZATION, PELVIC,-MODERATE -HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT STOMACH, GL (ST) : >UNREMARKABLE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93182 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 506.4 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 10:05 PROSECTOR: JOHN S. HALFORD RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA, ALONG GREATER CURVATURE: SINGLE BLACK AREA, 2 X 1 MM	
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 19 X 19 X 10 MM, RED, DARK RED, GRAY, TAN AND SOFT; SAME ON CUT SURFACE (CAP 22); REGIONAL LN (AXILLARY) NORMAL (CAP 24) -MASS #2; LEFT AXILLARY REGION: SINGLE MASS, 33 X 21 X 15 MM, RED, GRAY, TAN, LOBULATED AND SOFT; SAME ON CUT SURFACE (CAP 23); REGIONAL LN (AXILLARY) NORMAL (CAP 24)	MAMMARY, FEMALE (MF) : -M-CARCINOMA,-NEOPLASM PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT -HYPERPLASIA, GLANDULAR,-MODERATE >NOTE:>MASS #2 IS THE FIBROADENOMA
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
		LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93182 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 506.4 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 10:05 PROSECTOR: JOHN S. HALFORD RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
OVARY (OV), LUNG (LU), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93183 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 772.2 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 8:37 PROSECTOR: LAURIE J. SCHULLER RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); INGUINAL REGION-LEFT; WEEK 91; 125 X 100MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MODERATE -HYPERPLASIA, BILE DUCT,-MINIMAL KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-MODERATE
	ADRENAL, CORTEX (AC) : -LARGE; LEFT: 7 X 5 X 4 MM (RIGHT IS 4 MM IN DIAMETER)	ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC / HEMORRHAGIC,-MODERATELY SEVERE -PIGMENT,-MINIMAL
	SKIN (SK) : >NOTE:>COLLECTED FROM RIGHT INGUINAL REGION DUE TO MF MASS	SKIN (SK) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL
		MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93183 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 772.2 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 8:37 PROSECTOR: LAURIE J. SCHULLER RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT ABDOMINAL REGION EXTENDING TO LEFT INGUINAL REGION: SINGLE MASS, 150 X 100 X 50 MM (327.7 GRAMS), RED, DARK RED, TAN, FIRM, LOBULATED AND VASCULAR; SAME ON CUT SURFACE; PORTIONS COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED; OVERLYING SKIN HAS A SINGLE DARK RED, DRY CRUSTED AREA, 30 X 15 MM; COLLECTED INTACT WITH MASS -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION >NOTE:>COLLECTED FROM RIGHT INGUINAL REGION DUE TO MF MASS	
	UTERUS (UT) : -CYST(S); BILATERAL, WITHIN WALLS: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 5 MM IN DIAMETER	UTERUS (UT) : -DILATATION,-MODERATE
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93183 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 772.2 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 8:37 PROSECTOR: LAURIE J. SCHULLER RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), THYROID (TY), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93184 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 526.5 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 10:28 PROSECTOR: JOHN S. HALFORD RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>WART LIKE LESION(S); MOUTH; WEEK 102; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE RED AREAS, UP TO 4 X 3 MM; COLLECTED ON ROUTINE SECTIONS OVARY (OV) : -CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 12 MM IN DIAMETER PITUITARY (PI) : -MASS(ES); 8 X 6 X 6 MM, RED, DARK RED, GRAY, TAN AND SOFT	BRAIN (BR) : >UNREMARKABLE LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,- MINIMAL -MINERALIZATION, PELVIC,-MINIMAL OVARY (OV) : -CYST,-PRESENT LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,- MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT STOMACH, GL (ST) : -INFLAMMATION, CHRONIC-ACTIVE,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93184 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 526.5 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 10:28 PROSECTOR: JOHN S. HALFORD RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, GL (ST) : -EROSION/ULCERATION; MUCOSA: MULTIPLE TAN, SLIGHTLY ERODED AREAS, UP TO 2 X 1 MM	
	SKIN (SK) : -RAISED FOCUS(I)/AREA(S); ATTACHED TO LOWER RIGHT LIP: SINGLE TAN AREA, 5 X 4 X 3 MM (CAP 22)	SKIN (SK) : -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT -B-PAPILLOMA, SQUAMOUS CELL,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) : -HYPERPLASIA, GLANDULAR,-MINIMAL
	UTERUS (UT) : -CYST(S); BILATERAL, WITHIN WALLS: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 8 MM IN DIAMETER	UTERUS (UT) : -DILATATION,-MODERATELY SEVERE
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93184 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 526.5 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 10:28 PROSECTOR: JOHN S. HALFORD RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93185 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 521.2 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 9:51 PROSECTOR: JODI THIEREN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED >EYES; OPAQUE; EYE-LEFT; VERIFIED AT NECROPSY: OBSERVED	EYE (EY) : -OPAQUE CORNEA; LEFT	EYE (EY) : -DYSTROPHY, CORNEAL IN EARLY STAGES, CONSISTS PRIMARILY OF FOCAL MINERALIZATION,-SLIGHT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-SLIGHT -ANGIECTASIS,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-SLIGHT
	OVARY (OV) : -CYST(S); LEFT: SINGLE CLEAR FLUID FILLED CYST, 6 X 3 X 3 MM	OVARY (OV) : -HYPERPLASIA, GRANULOSA CELL,-MODERATE LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL THYROID (TY) : -M-CARCINOMA, C-CELL,-NEOPLASM PRESENT
	PARATHYROID (PT) : -LARGE; LEFT: 7 X 5 X 4 MM (RIGHT IS 1 MM IN DIAMETER)	PARATHYROID (PT) : >UNREMARKABLE MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93185 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 521.2 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 9:51 PROSECTOR: JODI THIEREN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		URINARY BLADDER (UB) : -HEMORRHAGE,-SLIGHT -INFILTRATE, LYMPHOHISTIOCYTIC,-MODERATE -HYPERPLASIA, TRANSITIONAL CELL,-MINIMAL
	UTERUS (UT) : -THICKENED WALL; BILATERAL, DIFFUSE	UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-MINIMAL
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -MALOCCLUSION; BILATERAL UPPER INCISORS -DISCHARGE-OCULAR; LEFT: DARK RED, DRY MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93185 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 521.2 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 9:51 PROSECTOR: JODI THIEREN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93186 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/21/99 STUDY DAY OF DEATH: 520 STUDY WEEK OF DEATH: 75 TERMINAL BODY WEIGHT: 458.9 GRAMS
DATE AND TIME OF NECROPSY: 09/21/99 14:40 PROSECTOR: JARED FISHEL RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-CERVICAL; WEEK 45; 100 X 110MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-MODERATE -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL -PIGMENT, TUBULAR,-MINIMAL SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MINIMAL ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT -PIGMENT,-MINIMAL THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93186 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/21/99 STUDY DAY OF DEATH: 520 STUDY WEEK OF DEATH: 75 TERMINAL BODY WEIGHT: 458.9 GRAMS
DATE AND TIME OF NECROPSY: 09/21/99 14:40 PROSECTOR: JARED FISHEL RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -CYST(S); RIGHT ASPECT: TWO DARK RED FLUID FILLED CYSTS, ONE IS 2 MM IN DIAMETER, THE OTHER IS 1 MM IN DIAMETER	
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION, EXTENDS TO LEFT AXILLARY AND VENTRAL CERVICAL REGIONS: SINGLE MASS, 115 X 90 X 35 MM (187.9 GRAMS), RED, TAN, LOBULATED AND VASCULAR; SAME ON CUT SURFACE (PORTIONS COLLECTED); REGIONAL LN (AXILLARY) NORMAL (CAP 22) -CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE WHITE CREAMY FLUID FILLED CYSTS, UP TO 10 X 6 X 5 MM (CAP 21)	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT
	UTERUS (UT) : -THICKENED WALL; BILATERAL, DIFFUSE	UTERUS (UT) : >UNREMARKABLE
		CAUSE OF DEATH (CD) : -NEOPLASM, MAMMARY GLAND,-PRESENT
		LN, AXILLARY (AX) : -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93186 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 09/21/99 STUDY DAY OF DEATH: 520 STUDY WEEK OF DEATH: 75 TERMINAL BODY WEIGHT: 458.9 GRAMS
DATE AND TIME OF NECROPSY: 09/21/99 14:40 PROSECTOR: JARED FISHEL RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93187 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/13/00 STUDY DAY OF DEATH: 725 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: 385.9 GRAMS
DATE AND TIME OF NECROPSY: 04/13/00 14:27 PROSECTOR: JARED FISHEL RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>MASS(ES); INGUINAL REGION-LEFT; WEEK 81; 65 X 60MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 102; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT
-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-SLIGHT
-HYPERPLASIA, BILE DUCT,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-MINERALIZATION, PELVIC,-SLIGHT
SPLEEN (SP) :
-PIGMENT, INCREASED,-SLIGHT
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT
ADRENAL, CORTEX (AC) :
-VACUOLATION, FOCAL,-SLIGHT
-HYPERTROPHY, CORTICAL CELL,-SLIGHT
-DEGENERATION, CYSTIC / HEMORRHAGIC,-SLIGHT
OVARY (OV) :
-CYST,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93187 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/13/00 STUDY DAY OF DEATH: 725 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: 385.9 GRAMS
DATE AND TIME OF NECROPSY: 04/13/00 14:27 PROSECTOR: JARED FISHEL RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	OVARY (OV) : -CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 8 MM IN DIAMETER	
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MODERATE
	SKIN (SK) : >NOTE:>SKIN AND MAMMARY GLAND SECTION TAKEN FROM RIGHT INGUINAL REGION DUE TO MASS	
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION, EXTENDING TO MID ABDOMINAL REGION: SINGLE MASS, 70 X 40 X 30 MM, DARK RED, TAN, VASCULAR AND FIRM; SOME SECTIONS EXUDE A TAN CREAMY SEMIFLUID; PORTION COLLECTED; REGIONAL LN (INGUINAL) NORMAL (CAP 22)	MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,-NEOPLASM PRESENT -B-ADENOMA,-NEOPLASM PRESENT >NOTE:>MASS #1 IS THE FIBROADENOMA

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93187 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/13/00 STUDY DAY OF DEATH: 725 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: 385.9 GRAMS
DATE AND TIME OF NECROPSY: 04/13/00 14:27 PROSECTOR: JARED FISHEL RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS #2; RIGHT AXILLARY REGION: SINGLE MASS, 15 MM IN DIAMETER, GREEN, BROWN AND SOFT; ON SECTION EXUDES A BROWN SEMIFLUID; COLLECTED INTACT; REGIONAL LN (AXILLARY) NORMAL (CAP 23)	
	UTERUS (UT) : -CYST(S); BILATERAL, WITHIN WALLS: MULTIPLE CLEAR FLUID FILLED CYSTS, UP TO 7 MM IN DIAMETER	UTERUS (UT) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-MODERATE VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-SLIGHT CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE LN, INGUINAL (IN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL: LOWER INCISORS -DISCHARGE-OCULAR; BILATERAL: DRY RED MATERIAL	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93187 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/13/00 STUDY DAY OF DEATH: 725 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: 385.9 GRAMS
DATE AND TIME OF NECROPSY: 04/13/00 14:27 PROSECTOR: JARED FISHEL RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93188 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/22/00 STUDY DAY OF DEATH: 734 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/22/00 8:59 PROSECTOR: JODI THIEREN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>MASS(ES); AXILLARY REGION-LEFT; WEEK 70; 100 X 100MM; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; SORE/SCAB; AXILLARY REGION-LEFT; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

LIVER (LI) :
-LARGE; ALL LOBES: MARGINS APPEAR ROUNDED
-DIFFUSELY LIGHT; ALL LOBES: TAN

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-NECROSIS, COAGULATIVE,-SLIGHT
-HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-MODERATE
KIDNEY (KD) :
-MINERALIZATION, PELVIC,-SLIGHT
SPLEEN (SP) :
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SEVERE
ADRENAL, CORTEX (AC) :
-VACUOLATION, FOCAL,-MINIMAL
MARROW, FEMUR (FM) :
-HYPERPLASIA, MYELOID, MARROW,-MODERATE
MARROW, STERNUM (SE) :
-HYPERPLASIA, MYELOID, MARROW,-MODERATE
THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE
LUNG (LU) :
-INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL
THYROID (TY) :
-B-ADENOMA, C-CELL,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93188 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/22/00 STUDY DAY OF DEATH: 734 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/22/00 8:59 PROSECTOR: JODI THIEREN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: MULTIPLE BROWN AREAS, UP TO 2 MM IN DIAMETER	STOMACH, GL (ST) : >UNREMARKABLE
		CECUM (CE) : >AUTOLYTIC
	SKIN (SK) : >NOTE:>SKIN TAKEN FROM RIGHT INGUINAL REGION DUE TO MASS ON LEFT	
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION EXTENDING TO LEFT INGUINAL REGION: SINGLE MASS, 130 X 100 X 65 MM (292.7 GRAMS), RED, DARK RED, TAN, GRAY, VASCULAR, LOBULATED AND FIRM; SAME ON CUT SURFACE; PORTION COLLECTED; REGIONAL LN (SEE AXILLARY); OVERLYING SKIN HAS A SINGLE DARK RED AND DRY CRUSTED AREA, 25 X 16 MM; COLLECTED INTACT WITH MASS >NOTE:>MAMMARY SECTION TAKEN FROM RIGHT INGUINAL REGION DUE TO MASS ON LEFT	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT -HYPERPLASIA, GLANDULAR,-MODERATE
		CAUSE OF DEATH (CD) : -NEOPLASM, MAMMARY GLAND,-PRESENT
		LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93188 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/22/00 STUDY DAY OF DEATH: 734 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/22/00 8:59 PROSECTOR: JODI THIEREN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, AXILLARY (AX) : -LARGE; LEFT: UP TO 10 X 7 X 3 MM (RIGHT IS UP TO 6 X 3 X 2 MM) (CAP 21) -MOTTLED; RIGHT: DARK RED AND TAN -DIFFUSELY RED; LEFT GENERAL COMMENT (GC) : -ANIMAL OBESE	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93188 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 04/22/00 STUDY DAY OF DEATH: 734 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 04/22/00 8:59 PROSECTOR: JODI THIEREN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93189 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/15/99 STUDY DAY OF DEATH: 605 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: 220.8 GRAMS
DATE AND TIME OF NECROPSY: 12/15/99 13:47 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) :
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
>APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) :
		-MINERALIZATION, PELVIC,-MINIMAL
		SPLEEN (SP) :
		-PIGMENT, INCREASED,-MODERATE
		-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MINIMAL
		PANCREAS (PA) :
		-HYPERTROPHY / BASOPHILIA, ACINAR CELL,-MINIMAL
		ADRENAL, CORTEX (AC) :
		-ANGIECTASIS,-MINIMAL
		-HYPERTROPHY, CORTICAL CELL,-MINIMAL
		THYMUS (TH) :
		-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 11 X 11 X 10 MM, RED, GREY AND SOFT	-B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93189 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/15/99 STUDY DAY OF DEATH: 605 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: 220.8 GRAMS
DATE AND TIME OF NECROPSY: 12/15/99 13:47 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: SINGLE DARK BROWN FOCUS, 3 X 2 MM	STOMACH, GL (ST) : -EROSION,-MINIMAL
		MAMMARY, FEMALE (MF) : -HYPERPLASIA, GLANDULAR,-SLIGHT
		CERVIX (CV) : -HYPERPLASIA, MUCINOUS,-MINIMAL
	VAGINA (VA) : -SEMIFLUID MATERIAL; WITHIN LUMEN: LIGHT GREEN, MUCOID MATERIAL	VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-SLIGHT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; UPPER RIGHT INCISOR -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93189 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/15/99 STUDY DAY OF DEATH: 605 STUDY WEEK OF DEATH: 87 TERMINAL BODY WEIGHT: 220.8 GRAMS
DATE AND TIME OF NECROPSY: 12/15/99 13:47 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93190 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 280.7 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 10:56 PROSECTOR: JODI THIEREN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED >SKIN & PELAGE; ROUGH HAIR COAT; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) PITUITARY (PI) : -MASS(ES); 12 X 8 X 8 MM, RED, DARK RED, TAN, GREY, AND SOFT STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: SINGLE BLACK LINEAR AREA, 2 X 1 MM	BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL KIDNEY (KD) : -MINERALIZATION, PELVIC,-SLIGHT -HYPERPLASIA, TRANSITIONAL CELL,-MINIMAL -INFLAMMATION, SUPPURATIVE, PELVIC,-MINIMAL PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-SLIGHT PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT STOMACH, GL (ST) : -EROSION,-MINIMAL MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93190 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 280.7 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 10:56 PROSECTOR: JODI THIEREN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		URINARY BLADDER (UB) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -ANIMAL THIN	

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), THYROID (TY), PARATHYROID (PT)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93191 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/12/00 STUDY DAY OF DEATH: 633 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: 539.2 GRAMS
DATE AND TIME OF NECROPSY: 01/12/00 15:19 PROSECTOR: GREGORY CODDINGTON RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: NOT OBSERVED
>RESPIRATION; AUDIBLE; VERIFIED AT NECROPSY: NOT APPLICABLE
>RESPIRATION; LABORED; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; RECUMBENT; LATERAL; VERIFIED AT NECROPSY: NOT APPLICABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

LIVER (LI) :
-HEPATIC ANOMALY (LOBULE); BETWEEN MEDIAN LOBES, NEAR HILUS: SINGLE ANOMALY, 10 X 10 X 6 MM; COLLECTED

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, MIDZONAL / CENTRILOBULAR,-SLIGHT
-ANOMALY, SECONDARY TO DIAPHRAGMATIC HERNIA,-PRESENT
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-MINERALIZATION, PELVIC,-MINIMAL
SPLEEN (SP) :
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE
PANCREAS (PA) :
-INFILTRATION, FAT, INTERSTITIAL,-SLIGHT
ADRENAL, CORTEX (AC) :
-ANGIECTASIS,-SLIGHT
-PIGMENT,-SLIGHT
HEART (HT) :
-CARDIOMYOPATHY,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93191 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/12/00 STUDY DAY OF DEATH: 633 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: 539.2 GRAMS
DATE AND TIME OF NECROPSY: 01/12/00 15:19 PROSECTOR: GREGORY CODDINGTON RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYROID (TY) : -HYPERPLASIA, C-CELL,-SLIGHT
	PITUITARY (PI) : -MASS(ES); 7 X 7 X 6 MM, DARK RED AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT
		UTERUS (UT) : -DILATATION,-MINIMAL
		CERVIX (CV) : -HYPERPLASIA, MUCINOUS,-MODERATE
		VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-SEVERE
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; RIGHT: CLEAR AND MOIST	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93191 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/12/00 STUDY DAY OF DEATH: 633 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: 539.2 GRAMS
DATE AND TIME OF NECROPSY: 01/12/00 15:19 PROSECTOR: GREGORY CODDINGTON RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93192 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 519.3 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 10:05 PROSECTOR: JAMES T. CALLEN RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 91; 70 X 75MM; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 3 X 2 MM; COLLECTED ON ROUTINE SECTIONS	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-SLIGHT -FIBROSIS, PERIBILIARY,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-SLIGHT -CYST, BILIARY,-PRESENT -B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT KIDNEY (KD) : -MINERALIZATION, PELVIC,-SLIGHT
	THYMUS (TH) : -MISSING/NOT IDENTIFIED; NOT POSITIVELY IDENTIFIED; POSSIBLE REMNANTS COLLECTED	THYMUS (TH) : -CYST,-PRESENT -HYPERPLASIA, EPITHELIAL,-MODERATE
		THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -LARGE; 6 X 6 X 3 MM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93192 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 519.3 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 10:05 PROSECTOR: JAMES T. CALLEN RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -RED FOCUS(I)/AREA(S); DIFFUSE: MULTIPLE DARK RED AREAS, UP TO 2 X 1 MM	
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT INGUINAL REGION: SINGLE MASS, 75 X 60 X 30 MM, TAN, LOBULATED, VASCULAR AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93192 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 519.3 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 10:05 PROSECTOR: JAMES T. CALLEN RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), LUNG (LU), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93193 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/01/99 STUDY DAY OF DEATH: 530 STUDY WEEK OF DEATH: 76 TERMINAL BODY WEIGHT: 420.9 GRAMS
DATE AND TIME OF NECROPSY: 10/01/99 14:28 PROSECTOR: LYNN HORNER RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; RED HAIR COAT; HEAD-ENTIRE; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: NOT OBSERVED	-COMPRESSED (HYPOTHALAMUS)	>UNREMARKABLE
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		LIVER (LI) :
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
>EXCRETION; NONFORMED FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL
		-VACUOLATION, HEPATOCELLULAR,-SEVERE
		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
		-MINERALIZATION, PELVIC,-SLIGHT
		SPLEEN (SP) :
		-PIGMENT, INCREASED,-MODERATE
		PANCREAS (PA) :
		-ZYMOGEN GRANULES, DECREASED,-MODERATE
	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
	-DARK FOCUS(I)/AREA(S); LEFT: MULTIPLE DARK BROWN AREAS, UP TO 2 MM IN DIAMETER	-ANGIECTASIS,-SLIGHT
		-PIGMENT,-MINIMAL
		THYMUS (TH) :
		-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT
		HEART (HT) :
		-CARDIOMYOPATHY,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93193 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/01/99 STUDY DAY OF DEATH: 530 STUDY WEEK OF DEATH: 76 TERMINAL BODY WEIGHT: 420.9 GRAMS
DATE AND TIME OF NECROPSY: 10/01/99 14:28 PROSECTOR: LYNN HORNER RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 10 X 9 X 6 MM, RED, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -CYST(S); ALL REGIONS, DIFFUSE: MULTIPLE TAN CREAMY SEMIFLUID FILLED CYSTS, UP TO 6 MM IN DIAMETER (CAP 21)	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL OBESE -STAINS - SKIN/HAIRCOAT; ENTIRE HEAD: RED AND DRY	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93193 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 10/01/99 STUDY DAY OF DEATH: 530 STUDY WEEK OF DEATH: 76 TERMINAL BODY WEIGHT: 420.9 GRAMS
DATE AND TIME OF NECROPSY: 10/01/99 14:28 PROSECTOR: LYNN HORNER RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93194 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/17/00 STUDY DAY OF DEATH: 638 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: 311.9 GRAMS
DATE AND TIME OF NECROPSY: 01/17/00 13:51 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>SKIN & PELAGE; ROUGH HAIR COAT;
VERIFIED AT NECROPSY: NOT APPLICABLE
>SKIN & PELAGE; SORE/SCAB; VENTRAL-
THORACIC; VERIFIED AT NECROPSY:
OBSERVED
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK
82; 10 X 10MM; VERIFIED AT NECROPSY:
NOT OBSERVED
>SKIN & PELAGE; ALOPECIA; VERIFIED AT
NECROPSY: OBSERVED
>SKIN & PELAGE; SORE/SCAB; VENTRAL-
ABDOMINAL-RIGHT; VERIFIED AT NECROPSY:
OBSERVED

NECROPSY

HISTOPATHOLOGY

EYE (EY) :
-INFLAMMATION, ACUTE,-SLIGHT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-SLIGHT
-FOCUS, ALTERED HEPATOCELLULAR,
BASOPHILIC,-MINIMAL
KIDNEY (KD) :
-MINERALIZATION, TUBULAR,-MINIMAL
SPLEEN (SP) :
-HEMATOPOIESIS, EXTRAMEDULLARY,
INCREASED,-SLIGHT
-HYPERPLASIA, LYMPHORETICULAR,-MODERATE
PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-MINIMAL
-ATROPHY, ACINAR,-SLIGHT
ADRENAL, CORTEX (AC) :
-ANGIECTASIS,-MODERATELY SEVERE
-HYPERPLASIA, CORTICAL,-MINIMAL
OVARY (OV) :
-CYST,-PRESENT
MARROW, FEMUR (FM) :
-HYPERPLASIA, MYELOID, MARROW,-SEVERE
MARROW, STERNUM (SE) :
-HYPERPLASIA, MYELOID, MARROW,-SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93194 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/17/00 STUDY DAY OF DEATH: 638 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: 311.9 GRAMS
DATE AND TIME OF NECROPSY: 01/17/00 13:51 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL -INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT -INFILTRATE, LYMPHOHISTIOCYTIC,-SLIGHT HEART (HT) : -CARDIOMYOPATHY,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-SLIGHT
	PITUITARY (PI) : -MASS(ES); 6 MM IN DIAMETER, DARK RED AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -ATROPHY,-SLIGHT RECTUM (RE) : -PARASITISM,-PRESENT
	SKIN (SK) : -CRUSTED AREA(S); ALL REGIONS DIFFUSE: MULTIPLE TAN DRY CRUSTED AREAS, UP TO 25 X 7 MM; COLLECTED ON ROUTINE SECTION -ALOPECIA-DIFFUSE; ALL REGIONS, DIFFUSE: COLLECTED ON ROUTINE SECTION	SKIN (SK) : -ACANTHOSIS/HYPERKERATOSIS,-SLIGHT -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE -ULCERATION,-SLIGHT
		MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93194 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/17/00 STUDY DAY OF DEATH: 638 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: 311.9 GRAMS
DATE AND TIME OF NECROPSY: 01/17/00 13:51 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CAUSE OF DEATH (CD) : -INFLAMMATION / INFECTION,-PRESENT
	LN, AXILLARY (AX) : -LARGE; BILATERAL: LEFT IS 20 X 15 X 5 MM, RIGHT IS 13 X 10 X 4 MM (CAP 21) -DIFFUSELY RED; RIGHT: DARK RED	LN, AXILLARY (AX) : -HEMORRHAGE,-PRESENT -HYPERPLASIA, LYMPHOPLASMACYTIC,-SEVERE -INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT -FIBROPLASIA, PERIPHERAL,-SEVERE
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL -LARGE; BILATERAL: UP TO 15 X 10 X 4 MM; COLLECTED	LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SEVERE -HEMORRHAGE,-PRESENT -INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE
	LN, LUMBAR/ILIAC (LM) : -LARGE; LEFT: 15 X 10 X 4 MM (RIGHT IS 6 X 5 X 3 MM) (CAP 22) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN	LN, LUMBAR/ILIAC (LM) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SEVERE -INFLAMMATION, CHRONIC-ACTIVE,-SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93194 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/17/00 STUDY DAY OF DEATH: 638 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: 311.9 GRAMS
DATE AND TIME OF NECROPSY: 01/17/00 13:51 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), TAIL (TI), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
BRAIN (BR), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93195 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 08/23/99 STUDY DAY OF DEATH: 491 STUDY WEEK OF DEATH: 71 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 08/23/99 11:25 PROSECTOR: DAVID SCHUETTE RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL -MINERALIZATION, TUBULAR,-SLIGHT SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC / HEMORRHAGIC,-MODERATE -PIGMENT,-MINIMAL
	THYMUS (TH) : -RED FOCUS(I)/AREA(S); DIFFUSE: MULTIPLE DARK RED AREAS, UP TO 1 MM IN DIAMETER	THYMUS (TH) : -HEMORRHAGE,-PRESENT
	PITUITARY (PI) : -MASS(ES); 10 X 8 X 5 MM, DARK RED, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) : -M-CARCINOMA,-NEOPLASM PRESENT -CYST / GALACTOCELE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93195 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 08/23/99 STUDY DAY OF DEATH: 491 STUDY WEEK OF DEATH: 71 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 08/23/99 11:25 PROSECTOR: DAVID SCHUETTE RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); VENTRAL THORACIC REGION: TWO MASSES, ONE IS 15 X 12 X 6 MM, THE OTHER IS 11 X 7 X 6 MM, BOTH ARE TAN AND SOFT; SAME ON BOTH CUT SURFACES; THE LARGER MASS EXUDES A TAN CASEOUS SEMISOLID MATERIAL; BOTH COLLECTED; REGIONAL LN (AXILLARY) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,-NEOPLASM PRESENT CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93195 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 08/23/99 STUDY DAY OF DEATH: 491 STUDY WEEK OF DEATH: 71 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 08/23/99 11:25 PROSECTOR: DAVID SCHUETTE RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93196 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/24/99 STUDY DAY OF DEATH: 614 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: 304.7 GRAMS
DATE AND TIME OF NECROPSY: 12/24/99 8:02 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>BEHAVIOR; HYPOACTIVE; VERIFIED AT
NECROPSY: NOT APPLICABLE
>EXCRETION; FEW FECES; VERIFIED AT
NECROPSY: NOT APPLICABLE
>EYES; RED DISCHARGE; EYES; VERIFIED AT
NECROPSY: OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-COMPRESSION, VENTRAL,-PRESENT
-HEMORRHAGE,-MINIMAL
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
-FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT
-HYPERPLASIA, BILE DUCT,-MINIMAL
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-MINERALIZATION, PELVIC,-MODERATE
-INFLAMMATION, SUPPURATIVE, PELVIC,-SLIGHT
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATELY SEVERE
PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-MODERATE
ADRENAL, CORTEX (AC) :
-ANGIECTASIS,-SLIGHT
-HYPERTROPHY, CORTICAL CELL,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93196 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/24/99 STUDY DAY OF DEATH: 614 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: 304.7 GRAMS
DATE AND TIME OF NECROPSY: 12/24/99 8:02 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -PIGMENT,-SLIGHT
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL
	PITUITARY (PI) : -MASS(ES); 12 X 9 X 7 MM, DARK RED, RED, TAN, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		CERVIX (CV) : -HYPERPLASIA, STROMAL,-MINIMAL
	VAGINA (VA) : -SEMIFLUID MATERIAL; WITHIN LUMEN: CONTAINS A DARK RED SEMIFLUID	VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93196 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/24/99 STUDY DAY OF DEATH: 614 STUDY WEEK OF DEATH: 88 TERMINAL BODY WEIGHT: 304.7 GRAMS
DATE AND TIME OF NECROPSY: 12/24/99 8:02 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93197 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 334.0 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 10:25 PROSECTOR: TROY ELLENBECKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAW-HIND-LEFT; VERIFIED AT NECROPSY: OBSERVED >MASS(ES); INGUINAL REGION-LEFT; WEEK 93; 20 X 20MM; VERIFIED AT NECROPSY: OBSERVED >MASS(ES); INGUINAL REGION-LEFT; WEEK 95; 40 X 40MM; VERIFIED AT NECROPSY: OBSERVED >MASS(ES); AXILLARY REGION-LEFT; WEEK 99; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) OVARY (OV) : -CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 12 X 8 X 6 MM PITUITARY (PI) : -MASS(ES); 9 X 6 X 3 MM, RED, DARK RED, TAN, AND SOFT SKIN (SK) : >NOTE:>ROUTINE SECTION TAKEN FROM RIGHT INGUINAL REGION DUE TO MASS	BRAIN (BR) : >UNREMARKABLE LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT -NECROSIS, COAGULATIVE,-SLIGHT -HYPERPLASIA, BILE DUCT,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-MODERATE KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL OVARY (OV) : -CYST,-PRESENT LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT SKIN (SK) : >NOT REQUIRED TO BE EXAMINED FOR ANIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93197 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 334.0 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 10:25 PROSECTOR: TROY ELLENBECKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 215 X 10 X 4 MM, RED, DARK RED, AND SOFT; SAME ON CUT SURFACE; SOME SECTIONS EXUDE A BROWN SEMISOLID (CAP 23); REGIONAL LN (AXILLARY) NORMAL (CAP 24) -MASS #2; LEFT INGUINAL REGION: MULTIPLE MASSES, UP TO 45 X 35 X 25 MM, RED, DARK RED, TAN, FIRM, AND LOBULATED; SOME SECTIONS EXUDE A TAN CREAMY SEMIFLUID; COLLECTED INTACT; REGIONAL LN (INGUINAL) NOT IDENTIFIED >NOTE:>ROUTINE SECTION TAKEN FROM RIGHT INGUINAL REGION DUE TO MASS	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT -B-FIBROADENOMA,-NEOPLASM PRESENT >NOTE:>MASS #2 IS THE FIBROADENOMA MASS #1 CONSISTS OF GALACTOCELES
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	FOOT/FOOTPAD (FP) : -ABRASION(S)/ULCERATION(S); LEFT HINDFOOT: SINGLE MOIST AND RED AREA, 6 X 5 MM; COLLECTED	FOOT/FOOTPAD (FP) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATE -ULCERATION,-MODERATE -ACANTHOSIS / HYPERKERATOSIS,-MODERATE -FIBROSIS,-SLIGHT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93197 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 334.0 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 10:25 PROSECTOR: TROY ELLENBECKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), THYROID (TY), PARATHYROID (PT), URINARY BLADDER (UB), LN, AXILLARY (AX)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93198 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 555.3 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 10:25 PROSECTOR: LAURIE J. SCHULLER RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 94; 10 X 10MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-SLIGHT KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-MODERATE
	PITUITARY (PI) : -CYST(S); LEFT AND RIGHT POSTERIOR ASPECTS: TWO CLEAR FLUID FILLED CYSTS, EACH IS 1 MM IN DIAMETER	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 27 X 27 X 10 MM, TAN, WHITE AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (AXILLARY) NORMAL (CAP 23) -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,-NEOPLASM PRESENT -HYPERPLASIA, GLANDULAR,-MINIMAL
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93198 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 555.3 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 10:25 PROSECTOR: LAURIE J. SCHULLER RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: DARK RED (CAP 22) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -ANIMAL OBESE	LN, MANDIBULAR (MN) : -HEMORRHAGE,-PRESENT

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
LUNG (LU), THYROID (TY), PARATHYROID (PT), URINARY BLADDER (UB), LN, AXILLARY (AX)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93199 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/13/99 STUDY DAY OF DEATH: 450 STUDY WEEK OF DEATH: 65 TERMINAL BODY WEIGHT: 319.8 GRAMS
DATE AND TIME OF NECROPSY: 07/13/99 8:44 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED >APPEARANCE; HEAD TILT; RIGHT; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT -GRANULAR CYTOPLASM, EOSINOPHILIC, CENTRILOBULAR,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, TUBULAR,-MINIMAL SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-MINIMAL -PIGMENT,-MINIMAL LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93199 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/13/99 STUDY DAY OF DEATH: 450 STUDY WEEK OF DEATH: 65 TERMINAL BODY WEIGHT: 319.8 GRAMS
DATE AND TIME OF NECROPSY: 07/13/99 8:44 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 12 X 10 X 10 MM, DARK RED, TAN, AND SOFT	
		MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93199 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 07/13/99 STUDY DAY OF DEATH: 450 STUDY WEEK OF DEATH: 65 TERMINAL BODY WEIGHT: 319.8 GRAMS
DATE AND TIME OF NECROPSY: 07/13/99 8:44 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93200 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/19/00 STUDY DAY OF DEATH: 671 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 314.1 GRAMS
DATE AND TIME OF NECROPSY: 02/19/00 8:06 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE
>EXCRETION; NO FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

LIVER (LI) :
-RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 3 X 2 MM; COLLECTED ON ROUTINE SECTIONS

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MODERATELY SEVERE
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-MINERALIZATION, PELVIC,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MINIMAL
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT
PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-SLIGHT
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
-INFILTRATION, FAT, INTERSTITIAL,-MINIMAL
ADRENAL, CORTEX (AC) :
-VACUOLATION, FOCAL,-MODERATE
-HYPERTROPHY, CORTICAL CELL,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93200 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/19/00 STUDY DAY OF DEATH: 671 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 314.1 GRAMS
DATE AND TIME OF NECROPSY: 02/19/00 8:06 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		OVARY (OV) : -HYPERPLASIA, GRANULOSA CELL,-SEVERE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-SLIGHT
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 9 X 8 X 5 MM, DARK RED, GRAY, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-MODERATELY SEVERE
	MAMMARY, FEMALE (MF) : -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -HYPERPLASIA, GLANDULAR,-MODERATE
	UTERUS (UT) : -LUMEN FILLED WITH FLUID; BILATERAL: CLEAR FLUID -LARGE, DIFFUSE; BILATERAL: EACH HORN IS 50 X 13 X 10 MM	UTERUS (UT) : -DILATATION,-SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93200 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/19/00 STUDY DAY OF DEATH: 671 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 314.1 GRAMS
DATE AND TIME OF NECROPSY: 02/19/00 8:06 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		CERVIX (CV) : -HYPERPLASIA, MUCINOUS,-SEVERE VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-SEVERE CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY -ANIMAL THIN -STAINS-PERINEUM/PERIANAL; YELLOW AND MOIST	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93200 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 02/19/00 STUDY DAY OF DEATH: 671 STUDY WEEK OF DEATH: 96 TERMINAL BODY WEIGHT: 314.1 GRAMS
DATE AND TIME OF NECROPSY: 02/19/00 8:06 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93201 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 434.5 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 8:40 PROSECTOR: JODI THIEREN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 4 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS OVARY (OV) : -CYST(S); BILATERAL: MULTIPLE CLEAR FLUID FILLED CYSTS ON EACH, UP TO 1 MM IN DIAMETER PITUITARY (PI) : -DARK FOCUS(I)/AREA(S); MID ASPECT: SINGLE DARK RED AREA, 2 MM IN DIAMETER LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: DARK RED; COLLECTED	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-SLIGHT -ANGIECTASIS,-SLIGHT KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL OVARY (OV) : -HYPERPLASIA, GRANULOSA CELL,-SEVERE THYROID (TY) : -HYPERPLASIA, C-CELL,-SLIGHT PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT -HYPERPLASIA,-MINIMAL -CYST,-PRESENT MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT -HEMORRHAGE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93201 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 434.5 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 8:40 PROSECTOR: JODI THIEREN RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS

NECROPSY

GENERAL COMMENT (GC) :
-BLOOD FILM TAKEN
-BONE MARROW SMEAR TAKEN

HISTOPATHOLOGY

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), LUNG (LU), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93202 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 436.7 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 8:38 PROSECTOR: TROY ELLENBECKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL -VACUOLATION, HEPATOCELLULAR,-MINIMAL
	LUNG (LU) : -LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN AREAS, UP TO 6 X 4 MM	LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MODERATE
		MAMMARY, FEMALE (MF) : -HYPERPLASIA, GLANDULAR,-MINIMAL
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93202 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 436.7 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 8:38 PROSECTOR: TROY ELLENBECKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
KIDNEY (KD), PANCREAS (PA), THYROID (TY), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93203 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/03/00 STUDY DAY OF DEATH: 624 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: 406.2 GRAMS
DATE AND TIME OF NECROPSY: 01/03/99 14:31 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-LEFT; WEEK 76; 15 X 25MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT
>SKIN & PELAGE; SORE/SCAB; VENTRAL-ABDOMINAL-LEFT; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -DIFFUSELY LIGHT; ALL LOBES: TAN	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -HEMATOPOIESIS, EXTRAMEDULLARY,-SLIGHT -HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-MINIMAL
>SKIN & PELAGE; SORE/SCAB; VENTRAL-ABDOMINAL-RIGHT; VERIFIED AT NECROPSY: OBSERVED		
>MASS(ES); INGUINAL REGION-LEFT; WEEK 81; 25 X 30MM; VERIFIED AT NECROPSY: OBSERVED	KIDNEY (KD) : -DIFFUSELY LIGHT; BILATERAL: TAN	KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-MODERATE -HYPERPLASIA, TRANSITIONAL CELL,-MINIMAL
		SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATELY SEVERE
		PANCREAS (PA) : -ZYMOGEN GRANULES, DECREASED,-MODERATE
		ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC / HEMORRHAGIC,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93203 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/03/00 STUDY DAY OF DEATH: 624 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: 406.2 GRAMS
DATE AND TIME OF NECROPSY: 01/03/99 14:31 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		ADRENAL, CORTEX (AC) : -PIGMENT,-MINIMAL ADRENAL, MEDULLA (MA) : -HYPERPLASIA, MEDULLARY,-SLIGHT
	OVARY (OV) : -CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 4 MM IN DIAMETER	OVARY (OV) : -CYST,-PRESENT
		MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,-SEVERE MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-MODERATELY SEVERE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-SLIGHT
	PITUITARY (PI) : -MASS(ES); 15 X 15 X 10 MM, DARK RED, RED, TAN, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) : -M-CARCINOMA,- 3 NEOPLASMS PRESENT -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,-NEOPLASM PRESENT -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93203 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/03/00 STUDY DAY OF DEATH: 624 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: 406.2 GRAMS
DATE AND TIME OF NECROPSY: 01/03/99 14:31 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 20 X 10 X 10 MM, DARK RED, BROWN AND SOFT; CUT SECTION CONTAINS A DARK RED FLUID; COLLECTED; REGIONAL LN (SEE AXILLARY) -MASS #2; LEFT AXILLARY REGION: SINGLE MASS, 30 X 30 X 20 MM, TAN, DARK RED, AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (SEE AXILLARY) -CYST(S); BILATERAL PECTORAL REGION: MULTIPLE TAN CREAMY SEMIFLUID FILLED CYSTS, UP TO 6 MM IN DIAMETER (CAP 22) -MASS #3; RIGHT INGUINAL REGION: SINGLE MASS, 25 X 20 X 10 MM, BROWN, TAN, AND SOFT; CUT SURFACE CONTAINS A TAN CASEOUS SEMISOLID; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED -MASS #4; LEFT INGUINAL REGION: SINGLE MASS, 60 X 60 X 40 MM, DARK RED, RED, TAN, AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED; OVERLYING SKIN HAS TWO DARK RED, TAN, AND MOIST ABRADED AREAS, BOTH ARE 15 MM IN DIAMETER; COLLECTED INTACT; POSSIBLY CONSISTENT WITH SORE/SCAB VENTRAL ABDOMINAL LEFT AND RIGHT NOTED IN CLINICAL OBSERVATIONS	MAMMARY, FEMALE (MF) : >NOTE:>THE ADENOMA WAS DESCRIBED AS A CYST MASS #2 IS A FIBROADENOMA MASSES 1,3, AND 4 ARE CARCINOMA MASS 4 ALSO HAS AREAS WITH FEATURES OF FIBROADENOMA

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93203 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/03/00 STUDY DAY OF DEATH: 624 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: 406.2 GRAMS
DATE AND TIME OF NECROPSY: 01/03/99 14:31 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	UTERUS (UT) : -THICKENED WALL; BILATERAL, DIFFUSE	UTERUS (UT) : -HYPERTROPHY, ENDOMETRIUM,-PRESENT CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	LN, AXILLARY (AX) : -LARGE; BILATERAL: LEFT IS UP TO 20 X 11 X 7 MM, RIGHT IS UP TO 12 X 10 X 5 MM (CAP 21)	LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SEVERE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93203 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/03/00 STUDY DAY OF DEATH: 624 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: 406.2 GRAMS
DATE AND TIME OF NECROPSY: 01/03/99 14:31 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LN, MESENTERIC (MS), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93204 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/21/00 STUDY DAY OF DEATH: 642 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/21/00 7:49 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 66; 70 X 80MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-SLIGHT -HYPERPLASIA, BILE DUCT,-SLIGHT -DEGENERATION / NECROSIS, CENTRILOBULAR,-MODERATE KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL -MINERALIZATION, TUBULAR,-MINIMAL SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-MINIMAL MARROW, FEMUR (FM) : -HYPERPLASIA, ERYTHROID, MARROW,- MODERATELY SEVERE MARROW, STERNUM (SE) : -HYPERPLASIA, ERYTHROID, MARROW,- MODERATELY SEVERE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),- MODERATELY SEVERE HEART (HT) : -CARDIOMYOPATHY,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93204 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/21/00 STUDY DAY OF DEATH: 642 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/21/00 7:49 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -LARGE; 6 X 5 X 3 MM -RED FOCUS(I)/AREA(S); MID ASPECT: SINGLE DARK RED AREA, 3 X 2 MM	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, NONGL (SU) : -EROSION/ULCERATION; MUCOSA: SINGLE MOIST TAN ERODED AREA, 3 MM IN DIAMETER	STOMACH, NONGL (SU) : >UNREMARKABLE
		JEJUNUM (JE) : >AUTOLYTIC ILEUM (IL) : >AUTOLYTIC CECUM (CE) : >AUTOLYTIC
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT INGUINAL REGION: SINGLE MASS, 90 X 89 X 34 MM, RED, TAN, VASCULAR, LOBULATED AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -B-FIBROADENOMA,-NEOPLASM PRESENT -HYPERPLASIA, GLANDULAR,-MODERATE
		CERVIX (CV) : -HYPERPLASIA, MUCINOUS,-SLIGHT VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-SEVERE CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93204 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/21/00 STUDY DAY OF DEATH: 642 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/21/00 7:49 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LN, LUMBAR/ILIAC (LM) : -HYPERPLASIA, LYMPHOPLASMACYTIC,- MODERATE -HEMORRHAGE,-PRESENT
	CAVITY, ABDOM (PC) : -MASS(ES); NEAR RIGHT OVARY, ATTACHED TO ADIPOSE TISSUE: SINGLE MASS, 25 X 12 X 10 MM, TAN, GREEN, RED AND FIRM; SAME ON CUT SURFACE (CAP 21); REGIONAL LN (LUMBAR) NORMAL (CAP 22)	CAVITY, ABDOM (PC) : -INFLAMMATION / NECROSIS, FAT,- MODERATELY SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93204 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/21/00 STUDY DAY OF DEATH: 642 STUDY WEEK OF DEATH: 92 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/21/00 7:49 PROSECTOR: JAMES T. CALLEN RECORDER: JAMES T. CALLEN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93205 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 428.0 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 8:12 PROSECTOR: JOHN S. HALFORD RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) LIVER (LI) : -LIGHT FOCUS(I)/AREA(S); VISCERAL SURFACE OF LEFT LATERAL LOBE: SINGLE TAN AREA, 4 X 3 MM; COLLECTED ON ROUTINE SECTION OVARY (OV) : -CYST(S); LEFT: SINGLE CLEAR FLUID FILLED CYST, 11 MM IN DIAMETER PITUITARY (PI) : -MASS(ES); 7 X 5 X 2 MM, RED, DARK RED, GRAY AND SOFT	BRAIN (BR) : -I-CARCINOMA,-FROM PITUITARY LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MODERATE -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -DEGENERATION, CYSTIC,-MODERATE KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-SLIGHT OVARY (OV) : -CYST,-PRESENT THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT PITUITARY (PI) : -M-CARCINOMA,-NEOPLASM PRESENT MAMMARY, FEMALE (MF) : -HYPERPLASIA, GLANDULAR,-MODERATE CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93205 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 428.0 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 8:12 PROSECTOR: JOHN S. HALFORD RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: DARK RED (CAP 22) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	LN, MANDIBULAR (MN) : -HEMORRHAGE,-PRESENT

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), LUNG (LU), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93206 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/15/00 STUDY DAY OF DEATH: 727 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: 236.5 GRAMS
DATE AND TIME OF NECROPSY: 04/15/00 7:50 PROSECTOR: JARED FISHEL RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>APPEARANCE; THIN; VERIFIED AT
NECROPSY: OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT
NECROPSY: NOT APPLICABLE
>EYES; RED DISCHARGE; EYES; VERIFIED AT
NECROPSY: OBSERVED
>BEHAVIOR; HYPOACTIVE; VERIFIED AT
NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
LIVER (LI) :
-VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT
-HYPERPLASIA, BILE DUCT,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-MINERALIZATION, PELVIC,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-MODERATE
ADRENAL, CORTEX (AC) :
-ANGIECTASIS,-MODERATELY SEVERE
-HYPERTROPHY, CORTICAL CELL,-MINIMAL
-DEGENERATION, CYSTIC / HEMORRHAGIC,-MINIMAL
-PIGMENT,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93206 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/15/00 STUDY DAY OF DEATH: 727 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: 236.5 GRAMS
DATE AND TIME OF NECROPSY: 04/15/00 7:50 PROSECTOR: JARED FISHEL RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT THYROID (TY) : -HYPERPLASIA, C-CELL,-SLIGHT
	PITUITARY (PI) : -MASS(ES); 12 X 9 X 7 MM, TAN, DARK RED AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		STOMACH, NONGL (SU) : -ACANTHOSIS / HYPERKERATOSIS,-SLIGHT -INFLAMMATION, CHRONIC-ACTIVE,-SLIGHT MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DRY RED MATERIAL -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93206 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/15/00 STUDY DAY OF DEATH: 727 STUDY WEEK OF DEATH: 104 TERMINAL BODY WEIGHT: 236.5 GRAMS
DATE AND TIME OF NECROPSY: 04/15/00 7:50 PROSECTOR: JARED FISHEL RECORDER: JARED FISHEL
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93207 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/25/99 STUDY DAY OF DEATH: 281 STUDY WEEK OF DEATH: 41 TERMINAL BODY WEIGHT: 204.3 GRAMS
DATE AND TIME OF NECROPSY: 01/25/99 14:02 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>MASS(ES); VENTRAL-THORACIC-RIGHT; WEEK 10; 55 X 55MM; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE
>EYES; RED DISCHARGE; EYES; VERIFIED AT NECROPSY: OBSERVED

NECROPSY

LIVER (LI) :
-DIFFUSELY DARK; ALL LOBES: DARK BROWN

KIDNEY (KD) :
-DIFFUSELY DARK; BILATERAL: DARK BROWN
-MASS(ES); RIGHT, CORTICAL SURFACE, EXTENDING TO MEDULLA: MULTIPLE MASSES, UP TO 8 X 5 X 3 MM, TAN AND FIRM; SAME ON CUT SURFACES; COLLECTED INTACT; REGIONAL LN (RENAL) NOT IDENTIFIED

SPLEEN (SP) :
-SMALL; 29 X 5 X 3 MM

HISTOPATHOLOGY

LIVER (LI) :
-INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT

KIDNEY (KD) :
-MINERALIZATION, TUBULAR,-MODERATE
-N-CARCINOMA,-FROM MAMMARY, FEMALE

SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
-DEPLETION, LYMPHOCYTIC,-MODERATELY SEVERE

PANCREAS (PA) :
-ZYMOGEN GRANULES, DECREASED,-MODERATE

LN, MESENTERIC (MS) :
-HEMORRHAGE,-PRESENT

THYMUS (TH) :
-DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE

LUNG (LU) :
-N-CARCINOMA,-FROM MAMMARY, FEMALE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93207 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/25/99 STUDY DAY OF DEATH: 281 STUDY WEEK OF DEATH: 41 TERMINAL BODY WEIGHT: 204.3 GRAMS
DATE AND TIME OF NECROPSY: 01/25/99 14:02 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LUNG (LU) : -MASS(ES); ALL LOBES: MULTIPLE MASSES, UP TO 15 X 10 X 10 MM, TAN AND FIRM; SAME ON CUT SURFACES; COLLECTED INTACT; REGIONAL LN (TRACHEOBRONCHIAL) NOT IDENTIFIED	
		STOMACH, NONGL (SU) : -EDEMA,-PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); VENTRAL THORACIC REGION: SINGLE MASS, 70 X 40 X 30 MM, RED, DARK RED, TAN, BROWN, SOFT, AND LOBULATED; SAME ON CUT SURFACE; ON SECTION, SOME AREAS EXUDED A DARK BROWN, TENACIOUS SEMIFLUID; COLLECTED; REGIONAL LN (SEE AXILLARY)	MAMMARY, FEMALE (MF) : -M-CARCINOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -NEOPLASM, MAMMARY GLAND,-PRESENT
	LN, AXILLARY (AX) : -MOTTLED; BILATERAL: DARK BROWN, RED, AND TAN (CAP 20)	LN, AXILLARY (AX) : -HEMORRHAGE,-PRESENT -INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -DISCHARGE-OCULAR; BILATERAL: DARK RED AND DRY -ANIMAL THIN -GI TRACT-LARGE LUMEN; ENTIRE GI TRACT: DISTENDED WITH GAS	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93207 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/25/99 STUDY DAY OF DEATH: 281 STUDY WEEK OF DEATH: 41 TERMINAL BODY WEIGHT: 204.3 GRAMS
DATE AND TIME OF NECROPSY: 01/25/99 14:02 PROSECTOR: NANCY DIEDRICH RECORDER: NANCY DIEDRICH
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: DR. RICHARD ALSAKER WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93208 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/16/99 STUDY DAY OF DEATH: 576 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/16/99 6:55 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>RESPIRATION; AUDIBLE; VERIFIED AT NECROPSY: NOT APPLICABLE >RESPIRATION; IRREGULAR; VERIFIED AT NECROPSY: NOT APPLICABLE >BEHAVIOR; RECUMBENT; STERNAL; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) KIDNEY (KD) : -LARGE PELVIS(ES); LEFT ADRENAL, CORTEX (AC) : -SMALL; LEFT: 3 X 2 X 2 MM (RIGHT IS 5 X 4 X 4 MM) OVARY (OV) : -CYST(S); BILATERAL: SINGLE CLEAR FLUID FILLED CYST ON EACH, LEFT IS 6 MM IN DIAMETER, RIGHT IS 3 MM IN DIAMETER	BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -HYPERTROPHY, HEPATOCELLULAR, CENTRILOBULAR POLYKARYOCYTOSIS OCCASIONALLY NOTED,-SLIGHT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-MODERATE -HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT -DEGENERATION, CYSTIC / HEMORRHAGIC,-MODERATE OVARY (OV) : -CYST,-PRESENT SPINAL CORD (SC) : -HEMORRHAGE,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93208 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/16/99 STUDY DAY OF DEATH: 576 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/16/99 6:55 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MINIMAL
		LUNG (LU) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
	PITUITARY (PI) : -MASS(ES); SINGLE MASS, 9 X 7 X 5 MM, RED, TAN, LOBULATED, AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -HYPERPLASIA, GLANDULAR,-MODERATE
	VAGINA (VA) : -SEMIFLUID MATERIAL; WITHIN LUMEN: LIGHT GREEN CASEOUS SEMIFLUID MATERIAL	VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93208 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/16/99 STUDY DAY OF DEATH: 576 STUDY WEEK OF DEATH: 83 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/16/99 6:55 PROSECTOR: MICHELE MARGGI RECORDER: MICHELE MARGGI
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93209 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 604.9 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 10:50 PROSECTOR: JAMES T. CALLEN RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED	THYROID (TY) : -LARGE; LEFT: 6 X 5 X 5 MM (RIGHT IS 4 X 3 X 2 MM) -DIFFUSELY RED; LEFT: DARK RED	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -HYPERTROPHY, HEPATOCELLULAR, PERIPORTAL,-SLIGHT KIDNEY (KD) : -MINERALIZATION, PELVIC,-MINIMAL PANCREAS (PA) : -INFILTRATION, FAT, INTERSTITIAL,-SLIGHT LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL THYROID (TY) : -HYPERPLASIA, C-CELL,-SLIGHT -B-ADENOMA, C-CELL,-NEOPLASM PRESENT JEJUNUM (JE) : -M-CARCINOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93209 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 604.9 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 10:50 PROSECTOR: JAMES T. CALLEN RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	JEJUNUM (JE) : -MASS(ES); WITHIN WALL: SINGLE MASS, 17 X 11 X 10 MM, TAN, LOBULATED, VASCULAR AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (LUMBAR) NORMAL (CAP 22)	
		MAMMARY, FEMALE (MF) : -HYPERPLASIA, GLANDULAR,-MODERATE CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT LN, LUMBAR/ILIAC (LM) : -HEMORRHAGE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93209 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 604.9 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 10:50 PROSECTOR: JAMES T. CALLEN RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93210 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/22/00 STUDY DAY OF DEATH: 734 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 318.8 GRAMS
DATE AND TIME OF NECROPSY: 04/22/00 8:26 PROSECTOR: JODI THIEREN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS

>MASS(ES); INGUINAL REGION-RIGHT; WEEK 88; 30 X 35MM; VERIFIED AT NECROPSY: OBSERVED
>MASS(ES); INGUINAL REGION-LEFT; WEEK 94; 50 X 50MM; VERIFIED AT NECROPSY: OBSERVED
>SKIN & PELAGE; YELLOW HAIR COAT; VERIFIED AT NECROPSY: OBSERVED
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE
>APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE

NECROPSY

BRAIN (BR) :
-COMPRESSED (HYPOTHALAMUS)

HISTOPATHOLOGY

BRAIN (BR) :
-DILATATION, VENTRICULAR,-PRESENT
-COMPRESSION, VENTRAL,-PRESENT
LIVER (LI) :
-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
KIDNEY (KD) :
-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
-MINERALIZATION, PELVIC,-MINIMAL
SPLEEN (SP) :
-PIGMENT, INCREASED,-MODERATE
-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MINIMAL
PANCREAS (PA) :
-INFLAMMATION, VASCULAR,-SEVERE
ADRENAL, CORTEX (AC) :
-HYPERTROPHY, CORTICAL CELL,-MODERATELY SEVERE
-DEGENERATION, CYSTIC / HEMORRHAGIC,-MODERATE
-PIGMENT,-MINIMAL
ADRENAL, MEDULLA (MA) :
-HYPERPLASIA, MEDULLARY,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93210 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/22/00 STUDY DAY OF DEATH: 734 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 318.8 GRAMS
DATE AND TIME OF NECROPSY: 04/22/00 8:26 PROSECTOR: JODI THIEREN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL HEART (HT) : -CARDIOMYOPATHY,-MINIMAL -INFLAMMATION, VASCULAR,-SLIGHT THYROID (TY) : -HYPERPLASIA, C-CELL,-SLIGHT
	PITUITARY (PI) : -MASS(ES); 12 X 9 X 8 MM, RED, DARK RED, TAN AND SOFT SKIN (SK) : >NOTE:>SKIN TAKEN FROM RIGHT INGUINAL REGION DUE TO LARGER MASS ON LEFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT INGUINAL REGION: SINGLE MASS, 35 X 26 X 17 MM, TAN, RED, VASCULAR AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED -MASS #2; LEFT INGUINAL REGION: SINGLE MASS, 58 X 48 X 33 MM, RED, TAN AND SOFT; ON CUT SECTION EXUDES A TAN CREAMY SEMIFLUID; COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT -HYPERPLASIA, GLANDULAR,-MINIMAL

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93210 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/22/00 STUDY DAY OF DEATH: 734 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 318.8 GRAMS
DATE AND TIME OF NECROPSY: 04/22/00 8:26 PROSECTOR: JODI THIEREN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : >NOTE:>MAMMARY SECTION TAKEN FROM RIGHT INGUINAL REGION DUE TO LARGER MASS ON LEFT	
	VAGINA (VA) : -SEMIFLUID MATERIAL; WITHIN LUMEN: GREEN MUCOID SEMIFLUID MATERIAL	VAGINA (VA) : >UNREMARKABLE
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN -STAINS - SKIN/HAIRCOAT; ENTIRE VENTRAL SURFACE: YELLOW	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93210 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 04/22/00 STUDY DAY OF DEATH: 734 STUDY WEEK OF DEATH: 105 TERMINAL BODY WEIGHT: 318.8 GRAMS
DATE AND TIME OF NECROPSY: 04/22/00 8:26 PROSECTOR: JODI THIEREN RECORDER: JODI THIEREN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93211 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 339.0 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 10:25 PROSECTOR: JAMES T. CALLEN RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); INGUINAL REGION-LEFT; WEEK 104; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT
		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -HYPERPLASIA, BILE DUCT,-MODERATE -FIBROSIS, PERIBILIARY,-SLIGHT
		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
	THYMUS (TH) : -MASS(ES); INVOLVING ENTIRE ORGAN: SINGLE MASS, 11 X 10 X 4 MM, RED AND FIRM; COLLECTED INTACT; REGIONAL LN (SEE MEDIASTINAL)	THYMUS (TH) : -HYPERPLASIA, LYMPHORETICULAR,-SEVERE
		LUNG (LU) : -MINERALIZATION, ALVEOLAR LUMINA,-MINIMAL
		THYROID (TY) : -B-ADENOMA, FOLLICULAR CELL,-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 10 X 6 X 3 MM, DARK RED, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93211 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 339.0 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 10:25 PROSECTOR: JAMES T. CALLEN RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT INGUINAL REGION: SINGLE MASS, 16 X 12 X 8 MM, TAN AND FIRM; SAME ON CUT SURFACE (CAP 24); REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -HYPERPLASIA, GLANDULAR,-SLIGHT -B-ADENOMA,-NEOPLASM PRESENT
	UTERUS (UT) : -THICKENED WALL; BILATERAL: DIFFUSE -MASS(ES); ATTACHED TO WALL OF RIGHT HORN, 8 MM FROM BIFURCATION: SINGLE MASS, 20 X 20 X 15 MM, RED, TAN, VASCULAR AND CYSTIC; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (LUMBAR) NORMAL (CAP 23)	UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-MODERATE -M-LEIOMYOSARCOMA,-NEOPLASM PRESENT
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, MEDIASTINAL (ML) : -DIFFUSELY RED; (CAP 22)	LN, MEDIASTINAL (ML) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE
		LN, LUMBAR/ILIAC (LM) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93211 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 339.0 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 10:25 PROSECTOR: JAMES T. CALLEN RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93212 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/24/99 STUDY DAY OF DEATH: 584 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/24/99 8:43 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; PAWS-HIND; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -HEMATOPOIESIS, EXTRAMEDULLARY,-SLIGHT -HYPERPLASIA, BILE DUCT,-MINIMAL -FIBROSIS, PERIBILIARY,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-MINIMAL SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATELY SEVERE PANCREAS (PA) : -ATROPHY, ACINAR,-MINIMAL
	ADRENAL, CORTEX (AC) : -LARGE; LEFT: 8 X 6 X 4 MM -SMALL; RIGHT: 3 X 2 X 2 MM	ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC / HEMORRHAGIC,-SLIGHT -HYPERPLASIA, CORTICAL,-MINIMAL
	OVARY (OV) : -CYST(S); RIGHT: SINGLE RED FLUID FILLED CYST, 8 MM IN DIAMETER	OVARY (OV) : >UNREMARKABLE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93212 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/24/99 STUDY DAY OF DEATH: 584 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/24/99 8:43 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, FEMUR (FM) : -HYPERPLASIA, MYELOID, MARROW,-SEVERE MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-SEVERE THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL
	PITUITARY (PI) : -MASS(ES); 11 X 7 X 6 MM, DARK RED, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
	STOMACH, GL (ST) : -RAISED AREA(S); MUCOSA, NEAR JUNCTION OF NONGLANDULAR JUNCTION: SINGLE TAN AREA, 2 X 2 X 1 MM	STOMACH, GL (ST) : >UNREMARKABLE
		MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-MODERATE CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	FOOT/FOOTPAD (FP) : -CRUSTED AREA(S); LEFT HINDFOOT: SINGLE DARK RED AND SLIGHTLY RAISED AREA, 7 X 5 X 2 MM; COLLECTED; RIGHT NOT IDENTIFIED	FOOT/FOOTPAD (FP) : -INFLAMMATION, CHRONIC-ACTIVE,-MODERATELY SEVERE -ACANTHOSIS / HYPERKERATOSIS,-MODERATELY SEVERE
	LN, POPLITEAL (PP) : -LARGE; LEFT: 13 X 8 X 4 MM (CAP 21); RIGHT NOT IDENTIFIED -DIFFUSELY RED; LEFT: DARK RED	LN, POPLITEAL (PP) : -HYPERPLASIA, PLASMACYTIC,-SEVERE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93212 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/24/99 STUDY DAY OF DEATH: 584 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/24/99 8:43 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		GENERAL INFORMATION (XX) : >NOTE:>TISSUE ON SLIDE #22 APPEARS TO BE A NECROTIC FIBROADENOMA. AS THERE WAS NO GROSS DESCRIPTION OF A LARGE SUBCUTANEOUS TUMOR, THE TISSUE CANNOT BE DEFINITIVELY ASSOCIATED WITH THIS ANIMAL.

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93212 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 11/24/99 STUDY DAY OF DEATH: 584 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 11/24/99 8:43 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93213 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/26/99 STUDY DAY OF DEATH: 586 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 265.3 GRAMS
DATE AND TIME OF NECROPSY: 11/26/99 13:11 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS)	BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT -COMPRESSION, VENTRAL,-PRESENT
>APPEARANCE; THIN; VERIFIED AT NECROPSY: NOT OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -NECROSIS, INDIVIDUAL HEPATOCYTE,-MINIMAL
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -INFLAMMATION, CHRONIC-ACTIVE, PELVIC,-MINIMAL
>BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE		SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATE -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MINIMAL
>APPEARANCE; TREMORS; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE		ADRENAL, CORTEX (AC) : -DEGENERATION, CYSTIC / HEMORRHAGIC,-MODERATELY SEVERE -PIGMENT,-SLIGHT
>APPEARANCE; HUNCHED; VERIFIED AT NECROPSY: NOT APPLICABLE		LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MINIMAL
>APPEARANCE; HEAD TILT; LEFT; VERIFIED AT NECROPSY: NOT APPLICABLE		THYROID (TY) : -B-ADENOMA, C-CELL,-NEOPLASM PRESENT
>EXCRETION; FEW FECES; VERIFIED AT NECROPSY: NOT APPLICABLE		
>BEHAVIOR; COLD TO TOUCH; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE	ADRENAL, CORTEX (AC) : -LARGE; LEFT: 7 MM IN DIAMETER (RIGHT IS 5 X 4 X 3 MM)	
>SKIN & PELAGE; PALE; ENTIRE BODY; VERIFIED AT NECROPSY: NOT APPLICABLE		

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93213 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/26/99 STUDY DAY OF DEATH: 586 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 265.3 GRAMS
DATE AND TIME OF NECROPSY: 11/26/99 13:11 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	PITUITARY (PI) : -MASS(ES); 11 X 10 X 7 MM, DARK RED, RED, TAN, GRAY AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -MALOCCLUSION; BILATERAL, UPPER INCISORS	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93213 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 11/26/99 STUDY DAY OF DEATH: 586 STUDY WEEK OF DEATH: 84 TERMINAL BODY WEIGHT: 265.3 GRAMS
DATE AND TIME OF NECROPSY: 11/26/99 13:11 PROSECTOR: TODD ACKER RECORDER: TODD ACKER
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93214 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/03/00 STUDY DAY OF DEATH: 684 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/03/00 7:46 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL -B-ADENOMA, HEPATOCELLULAR,-NEOPLASM PRESENT KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-SLIGHT SPLEEN (SP) : -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-MODERATE ADRENAL, CORTEX (AC) : -ANGIECTASIS,-SLIGHT -HYPERTROPHY, CORTICAL CELL,-MODERATE THYMUS (TH) : -HEMORRHAGE,-PRESENT -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93214 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/03/00 STUDY DAY OF DEATH: 684 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/03/00 7:46 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		LUNG (LU) : -INFILTRATE, MACROPHAGE, ALVEOLAR,-MODERATE
	PITUITARY (PI) : -CYST(S); RIGHT ASPECT: SINGLE CYST, 3 MM IN DIAMETER, FILLED WITH A DARK RED FLUID	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		JEJUNUM (JE) : >AUTOLYTIC
		ILEUM (IL) : >AUTOLYTIC
		MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT
		URINARY BLADDER (UB) : -MINERALIZED MATERIAL, LUMEN,-PRESENT
		UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-SLIGHT
		CERVIX (CV) : -HYPERPLASIA, MUCINOUS,-SLIGHT
		VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-MODERATE
		CAUSE OF DEATH (CD) : -UNDETERMINED MICROSCOPICALLY,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL (CAP 21)	LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATELY SEVERE -CONGESTION,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93214 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 03/03/00 STUDY DAY OF DEATH: 684 STUDY WEEK OF DEATH: 98 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 03/03/00 7:46 PROSECTOR: DENNIS HOFFMAN RECORDER: DENNIS HOFFMAN
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93215 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/06/99 STUDY DAY OF DEATH: 596 STUDY WEEK OF DEATH: 86 TERMINAL BODY WEIGHT: 298.3 GRAMS
DATE AND TIME OF NECROPSY: 12/06/99 14:55 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>BEHAVIOR; HYPOACTIVE; VERIFIED AT NECROPSY: NOT APPLICABLE >APPEARANCE; THIN; VERIFIED AT NECROPSY: OBSERVED >BEHAVIOR; ATAXIC; VERIFIED AT NECROPSY: NOT APPLICABLE	BRAIN (BR) : -COMPRESSED (HYPOTHALAMUS) PITUITARY (PI) : -MASS(ES); 11 X 10 X 8 MM, RED, TAN AND SOFT	BRAIN (BR) : -DILATATION, VENTRICULAR,-PRESENT -COMPRESSION, VENTRAL,-PRESENT LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL KIDNEY (KD) : -MINERALIZATION, PELVIC,-MODERATELY SEVERE SPLEEN (SP) : -PIGMENT, INCREASED,-MODERATELY SEVERE ADRENAL, CORTEX (AC) : -PIGMENT,-SLIGHT THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-SLIGHT PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT HARDERIAN GLAND (HG) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT VAGINA (VA) : >UNREMARKABLE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93215 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/06/99 STUDY DAY OF DEATH: 596 STUDY WEEK OF DEATH: 86 TERMINAL BODY WEIGHT: 298.3 GRAMS
DATE AND TIME OF NECROPSY: 12/06/99 14:55 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	VAGINA (VA) : -SEMIFLUID MATERIAL; WITHIN LUMEN: LIGHT GREEN, MUCOID SEMIFLUID MATERIAL	
		CAUSE OF DEATH (CD) : -NEOPLASM, PITUITARY,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -ANIMAL THIN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93215 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 12/06/99 STUDY DAY OF DEATH: 596 STUDY WEEK OF DEATH: 86 TERMINAL BODY WEIGHT: 298.3 GRAMS
DATE AND TIME OF NECROPSY: 12/06/99 14:55 PROSECTOR: JOHN S. HALFORD RECORDER: JOHN S. HALFORD
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93216 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 514.4 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 9:36 PROSECTOR: TROY ELLENBECKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); EAR-RIGHT; WEEK 61; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 81; 50 X 60MM; VERIFIED AT NECROPSY: OBSERVED	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>MASS(ES); AXILLARY REGION-RIGHT; WEEK 93; 20 X 25MM; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) :
>MASS(ES); VENTRAL-ABDOMINAL-RIGHT; WEEK 96; 40 X 40MM; VERIFIED AT NECROPSY: OBSERVED		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
>SKIN & PELAGE; SORE/SCAB; VENTRAL-ABDOMINAL-RIGHT; VERIFIED AT NECROPSY: OBSERVED		-FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL
>MASS(ES); VENTRAL-ABDOMINAL-LEFT; WEEK 101; 25 X 25MM; VERIFIED AT NECROPSY: OBSERVED		-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL
		-HYPERPLASIA, BILE DUCT,-SLIGHT
		-FIBROSIS, PERIBILIARY,-SLIGHT
		KIDNEY (KD) :
		-NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL
		-MINERALIZATION, PELVIC,-MINIMAL
	ADRENAL, CORTEX (AC) :	ADRENAL, CORTEX (AC) :
	-LARGE; LEFT: 9 X 6 X 5 MM (RIGHT IS 6 X 4 X 3 MM)	>NOT REQUIRED TO BE EXAMINED FOR ANIMAL
		LUNG (LU) :
		-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL
		-INFILTRATE, MACROPHAGE, PIGMENTED,-MINIMAL
	PITUITARY (PI) :	PITUITARY (PI) :
	-MASS(ES); 9 X 6 X 4 MM, RED, DARK RED, TAN, AND SOFT	-B-ADENOMA,-NEOPLASM PRESENT
		-HYPERPLASIA,-MODERATE
		MAMMARY, FEMALE (MF) :
		-CYST / GALACTOCELE,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93216 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 514.4 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 9:36 PROSECTOR: TROY ELLENBECKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT AXILLARY REGION: SINGLE MASS, 70 X 60 X 30 MM, RED, DARK RED, TAN, AND FIRM, SAME ON CUT SURFACE; SOME SECTIONS EXUDE A TAN CASEOUS SEMIFLUID; COLLECTED INTACT; REGIONAL LN (SEE AXILLARY) -MASS #2; RIGHT AXILLARY REGION, CAUDAL TO MASS #1: SINGLE MASS, 35 X 25 X 15 MM, RED, TAN, AND FIRM; SAME ON CUT SURFACE; REGIONAL LN (SEE AXILLARY) -MASS #3; LEFT PERIANAL REGION: SINGLE MASS, 40 X 30 X 15 MM, RED, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED INTACT; REGIONAL LN (INGUINAL) NOT IDENTIFIED -MASS #4; RIGHT INGUINAL REGION: SINGLE MASS, 50 X 30 X 20 MM, RED, DARK RED, TAN, AND FIRM; SAME ON CUT SURFACE; SOME SECTIONS EXUDE A TAN CREAMY SEMISOLID; OVERLYING SKIN HAS A SINGLE MOIST, BROWN, ULCERATED AREA, 20 X 15 X 4 MM; COLLECTED INTACT WITH MASS; REGIONAL LN (INGUINAL) NOT IDENTIFIED	MAMMARY, FEMALE (MF) : -INFLAMMATION, CHRONIC-ACTIVE,-SEVERE -B-FIBROADENOMA,- 3 NEOPLASMS PRESENT -B-ADENOMA,-NEOPLASM PRESENT >NOTE:>MASS 4 IS THE ADENOMA
	UTERUS (UT) : -CYST(S); WITHIN LUMEN OF LEFT HORN: MULTIPLE CYSTS, UP TO 7 X 5 X 5 MM	UTERUS (UT) : -B-POLYP, ENDOMETRIAL, STROMAL,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93216 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 514.4 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 9:36 PROSECTOR: TROY ELLENBECKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	UTERUS (UT) : -MASS(ES); WITHIN LUMEN OF RIGHT HORN: SINGLE MASS, 10 X 6 X 4 MM, RED, DARK RED, TAN, SOFT; COLLECTED INTACT; REGIONAL LN (SEE LUMBAR)	UTERUS (UT) : -HYPERPLASIA, CYSTIC, ENDOMETRIAL,-MODERATE CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, AXILLARY (AX) : -LARGE; RIGHT: 15 X 7 X 3 MM (LEFT IS 5 X 3 X 1 MM) (CAP 25)	LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATELY SEVERE
	LN, MANDIBULAR (MN) : -LARGE; RIGHT: 10 X 5 X 2 MM (LEFT IS 5 X 3 X 1 MM) (CAP 23)	LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SEVERE
	LN, LUMBAR/ILIAC (LM) : -CYST(S); RIGHT: SINGLE CLEAR FLUID FILLED CYST, 2 MM IN DIAMETER (CAP 24) -LARGE; RIGHT: 10 X 5 X 2 MM (LEFT IS 7 X 3 X 1 MM) (CAP 24)	LN, LUMBAR/ILIAC (LM) : -LYMPHANGIECTASIS,-PRESENT -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATELY SEVERE
	PINNA (PN) : -MASS(ES); RIGHT INVOLVING ENTIRE EAR CANAL: SINGLE MASS, 12 X 10 X 6 MM, RED, DARK RED, TAN, AND FIRM; SAME ON CUT SURFACE (CAP 22); REGIONAL LN (SEE MANDIBULAR)	PINNA (PN) : -B-PAPILLOMA, SQUAMOUS CELL,-NEOPLASM PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93216 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 514.4 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 9:36 PROSECTOR: TROY ELLENBECKER RECORDER: TONE EVERTS
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), TAIL (TI), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), THYROID (TY), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93217 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/14/00 STUDY DAY OF DEATH: 635 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/14/00 9:35 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>NORMAL; NO REMARKABLE OBSERVATIONS; VERIFIED AT NECROPSY: OBSERVED		LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL KIDNEY (KD) : -DILATATION, PELVIC,-SLIGHT SPLEEN (SP) : -PIGMENT, INCREASED,-SLIGHT -HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SLIGHT PANCREAS (PA) : -ATROPHY, ACINAR,-SLIGHT -INFILTRATION, FAT, INTERSTITIAL,-MODERATE ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-SLIGHT -PIGMENT,-SLIGHT OVARY (OV) : -CORPORA LUTEA, PERSISTENT,-PRESENT MARROW, FEMUR (FM) : -HYPERPLASIA, ERYTHROID, MARROW,-SLIGHT MARROW, STERNUM (SE) : -HYPERPLASIA, ERYTHROID, MARROW,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93217 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/14/00 STUDY DAY OF DEATH: 635 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/14/00 9:35 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATE
	LUNG (LU) : -LIGHT FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE TAN AREAS, UP TO 5 X 4 MM	LUNG (LU) : -MINERALIZATION, VASCULAR,-MINIMAL -INFILTRATE, MACROPHAGE, ALVEOLAR,-SLIGHT
	PITUITARY (PI) : -RAISED AREA(S); LEFT MID ASPECT: SINGLE TAN AREA, 3 X 3 X 3 MM	PITUITARY (PI) : -HYPERPLASIA,-SLIGHT
		VAGINA (VA) : -HYPERPLASIA, MUCINOUS,-SLIGHT
		CAUSE OF DEATH (CD) : -UNDETERMINED MICROSCOPICALLY,-PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93217 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (D)
DATE OF DEATH: 01/14/00 STUDY DAY OF DEATH: 635 STUDY WEEK OF DEATH: 91 TERMINAL BODY WEIGHT: NOT ENTERED
DATE AND TIME OF NECROPSY: 01/14/00 9:35 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), LIVER (LI), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG), GENERAL COMMENT (GC)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), BRAIN (BR), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), HEMATO NEOPLASIA (HN)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93218 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/03/00 STUDY DAY OF DEATH: 624 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: 458.8 GRAMS
DATE AND TIME OF NECROPSY: 01/03/00 15:10 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>MASS(ES); AXILLARY REGION-LEFT; WEEK 50; 20 X 20MM; VERIFIED AT NECROPSY: OBSERVED	BRAIN (BR) :	BRAIN (BR) :
	-COMPRESSED (HYPOTHALAMUS)	-COMPRESSION, VENTRAL,-PRESENT
>SKIN & PELAGE; SORE/SCAB; AXILLARY REGION-LEFT; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) :	LIVER (LI) :
	-LARGE; ALL LOBES; MARGINS APPEAR ROUNDED	-X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
	-MOTTLED; ALL LOBES: BROWN AND TAN	-HEMATOPOIESIS, EXTRAMEDULLARY,-MINIMAL
		-HYPERPLASIA, BILE DUCT,-SLIGHT
		-INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT
	KIDNEY (KD) :	KIDNEY (KD) :
	-GRANULAR MATERIAL; BILATERAL, WITHIN PELVIS: MULTIPLE TAN AND FIRM GRANULES, UP TO 1 MM IN DIAMETER	-MINERALIZATION, PELVIC,-MINIMAL
	SPLEEN (SP) :	SPLEEN (SP) :
	-LARGE; 70 X 20 X 15 MM	-HEMATOPOIESIS, EXTRAMEDULLARY, INCREASED,-SEVERE
		PANCREAS (PA) :
		-ZYMOGEN GRANULES, DECREASED,-SLIGHT
		ADRENAL, CORTEX (AC) :
		-HYPERTROPHY, CORTICAL CELL,-SLIGHT
		-PIGMENT,-SLIGHT
		MARROW, FEMUR (FM) :
		-X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
		-HYPERPLASIA, MYELOID, MARROW,-MODERATE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93218 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/03/00 STUDY DAY OF DEATH: 624 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: 458.8 GRAMS
DATE AND TIME OF NECROPSY: 01/03/00 15:10 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		MARROW, FEMUR (FM) : -HYPERPLASIA, MEGAKARYOCYTIC, MARROW,-MODERATE MARROW, STERNUM (SE) : -HYPERPLASIA, MYELOID, MARROW,-SLIGHT -HYPERPLASIA, MEGAKARYOCYTIC, MARROW,-MODERATE THYMUS (TH) : -DEPLETION, LYMPHOCYTIC (GENERALLY COMPATIBLE WITH PHYSIOLOGIC ATROPHY),-MODERATELY SEVERE
	LUNG (LU) : -RAISED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AND TAN AREAS, UP TO 4 X 3 X 3 MM	LUNG (LU) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
	PITUITARY (PI) : -MASS(ES); 7 X 7 X 5 MM, DARK RED, TAN AND SOFT	PITUITARY (PI) : -B-ADENOMA,-NEOPLASM PRESENT
		SKIN (SK) : -X-HEMATOPOIETIC NEOPLASIA (SEE "HEMATO NEOPLASIA" FOR TYPE),-NEOPLASM PRESENT
	MAMMARY, FEMALE (MF) : -MASS(ES); LEFT AXILLARY REGION: SINGLE MASS, 55 X 25 X 15 MM, TAN, GRAY AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (SEE AXILLARY); OVERLYING SKIN HAS A SINGLE DARK RED AND TAN ABRADED AREA, 30 MM IN DIAMETER; COLLECTED INTACT	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -HYPERPLASIA, GLANDULAR,-MINIMAL >NOTE:>SEE SKIN FOR DIAGNOSIS OF TUMOR

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93218 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/03/00 STUDY DAY OF DEATH: 624 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: 458.8 GRAMS
DATE AND TIME OF NECROPSY: 01/03/00 15:10 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
		VAGINA (VA) : -LUMEN, EXUDATE,-PRESENT HEMATO NEOPLASIA (HN) : -M-SARCOMA, HISTIOCYTIC,-NEOPLASM PRESENT CAUSE OF DEATH (CD) : -NEOPLASM, HEMATOPOIETIC,-PRESENT
	LN, AXILLARY (AX) : -LARGE; LEFT: UP TO 15 X 10 X 7 MM (RIGHT IS UP TO 5 X 3 X 3 MM)(CAP 21) GENERAL COMMENT (GC) : -BLOOD FILM TAKEN	LN, AXILLARY (AX) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93218 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: UNSCHEDULED (M)
DATE OF DEATH: 01/03/00 STUDY DAY OF DEATH: 624 STUDY WEEK OF DEATH: 90 TERMINAL BODY WEIGHT: 458.8 GRAMS
DATE AND TIME OF NECROPSY: 01/03/00 15:10 PROSECTOR: WENDY CHERRY RECORDER: WENDY CHERRY
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), PANCREAS (PA), ADRENAL, CORTEX (AC), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
EYE (EY), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), OVARY (OV), BONE, FEMUR (FE), BONE, STERNUM (SB), SPINAL CORD (SC), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93219 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 761.8 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 9:38 PROSECTOR: JAMES T. CALLEN RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>SKIN & PELAGE; SORE/SCAB; VENTRAL-THORACIC-RIGHT; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 5 X 4 MM; COLLECTED ON ROUTINE SECTIONS KIDNEY (KD) : -LARGE PELVIS(ES); RIGHT ADRENAL, CORTEX (AC) : -LARGE; LEFT: 7 X 5 X 5 MM (RIGHT IS 4 X 3 X 2 MM) OVARY (OV) : -CYST(S); LEFT: SINGLE CLEAR FLUID FILLED CYST, 10 MM IN DIAMETER	LIVER (LI) : -INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-SLIGHT -HYPERPLASIA, BILE DUCT,-MINIMAL KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -DILATATION, PELVIC,-SEVERE -MINERALIZATION, PELVIC,-MINIMAL ADRENAL, CORTEX (AC) : -HYPERTROPHY, CORTICAL CELL,-SEVERE -DEGENERATION, CYSTIC / HEMORRHAGIC,-MODERATELY SEVERE -PIGMENT,-MINIMAL OVARY (OV) : -CYST,-PRESENT THYROID (TY) : -HYPERPLASIA, C-CELL,-MINIMAL STOMACH, GL (ST) : >UNREMARKABLE

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93219 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 761.8 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 9:38 PROSECTOR: JAMES T. CALLEN RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	STOMACH, GL (ST) : -DARK FOCUS(I)/AREA(S); MUCOSA: SINGLE DARK BROWN FOCUS, LESS THAN 1 MM IN DIAMETER	
	SKIN (SK) : -CRUSTED AREA(S); RIGHT VENTRAL ABDOMINAL REGION: SINGLE DRY, TAN, RED CRUSTED AREA, 6 MM IN DIAMETER (CAP 22)	SKIN (SK) : -B-KERATOACANTHOMA,-NEOPLASM PRESENT
		MAMMARY, FEMALE (MF) : -HYPERPLASIA, GLANDULAR,-MINIMAL
		CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -ANIMAL OBESE	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93219 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 761.8 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 9:38 PROSECTOR: JAMES T. CALLEN RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), LN, MESENTERIC (MS), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), LUNG (LU), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), PITUITARY (PI), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), MAMMARY, FEMALE (MF), URINARY BLADDER (UB), UTERUS (UT), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), LN, MANDIBULAR (MN), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
PANCREAS (PA), ADRENAL, MEDULLA (MA), LUNG (LU), PARATHYROID (PT), URINARY BLADDER (UB)

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93220 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 580.2 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 8:12 PROSECTOR: LAURIE J. SCHULLER RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

*** ORGAN WEIGHTS WERE NOT RECORDED ***

O B S E R V A T I O N S

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
>APPEARANCE; MALOCCLUSION; VERIFIED AT NECROPSY: OBSERVED	LIVER (LI) :	LIVER (LI) :
>MASS(ES); VENTRAL-ABDOMINAL; WEEK 97; 70 X 60MM; VERIFIED AT NECROPSY: OBSERVED	-RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 4 MM IN DIAMETER; COLLECTED ON ROUTINE SECTIONS	-INFILTRATE, LYMPHOHISTIOCYTIC,-MINIMAL -VACUOLATION, HEPATOCELLULAR, PERIPORTAL,-SLIGHT -FOCUS, ALTERED HEPATOCELLULAR, CLEAR / EOSINOPHILIC CELL,-MINIMAL -FOCUS, ALTERED HEPATOCELLULAR, BASOPHILIC,-MINIMAL -HYPERPLASIA, BILE DUCT,-MINIMAL
		KIDNEY (KD) : -NEPHROPATHY, CHRONIC PROGRESSIVE,-MINIMAL -MINERALIZATION, PELVIC,-SLIGHT -HYPERPLASIA, TRANSITIONAL CELL,-SLIGHT
		PANCREAS (PA) : -INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT -INFILTRATION, FAT, INTERSTITIAL,-SLIGHT
	ADRENAL, CORTEX (AC) : -LARGE; RIGHT: 5 MM IN DIAMETER (LEFT IS 3 MM IN DIAMETER)	ADRENAL, CORTEX (AC) : -PIGMENT,-SLIGHT -DEGENERATION / NECROSIS, UNILATERAL,-MODERATELY SEVERE -M-CARCINOMA,-NEOPLASM PRESENT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93220 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 580.2 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 8:12 PROSECTOR: LAURIE J. SCHULLER RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	LN, MESENTERIC (MS) : -DIFFUSELY DARK; DARK GREEN	LN, MESENTERIC (MS) : -INFILTRATE, MACROPHAGE, PIGMENTED,-SLIGHT
	LUNG (LU) : -RED FOCUS(I)/AREA(S); ALL LOBES: MULTIPLE DARK RED AREAS, UP TO 3 X 2 MM	LUNG (LU) : -N-CARCINOMA,-NEOPLASM PRESENT
	PITUITARY (PI) : -LARGE; 6 X 5 X 3 MM; APPEARS SWOLLEN -DARK FOCUS(I)/AREA(S); DIFFUSE: MULTIPLE BROWN AREAS, UP TO 2 MM IN DIAMETER -LIGHT FOCUS(I)/AREA(S); LEFT POSTERIOR ASPECT: SINGLE WHITE FOCUS, 1 MM IN DIAMETER	PITUITARY (PI) : -HYPERPLASIA,-MODERATE
	MAMMARY, FEMALE (MF) : -MASS(ES); RIGHT INGUINAL REGION EXTENDING RIGHT PERINEAL REGION: SINGLE MASS, 105 X 70 X 18 MM, RED, DARK RED, TAN, FIRM AND LOBULATED; SAME ON CUT SURFACE; PORTION COLLECTED; REGIONAL LN (INGUINAL) NOT IDENTIFIED -THICKENED; ALL REGIONS, DIFFUSE: TAN AND FIRM; COLLECTED ON ROUTINE SECTION	MAMMARY, FEMALE (MF) : -CYST / GALACTOCELE,-PRESENT -B-FIBROADENOMA,- 2 NEOPLASMS PRESENT -HYPERPLASIA, GLANDULAR,-SLIGHT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93220 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 580.2 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 8:12 PROSECTOR: LAURIE J. SCHULLER RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

O B S E R V A T I O N S (CONTINUED)

LAST CLINICAL OBSERVATIONS	NECROPSY	HISTOPATHOLOGY
	MAMMARY, FEMALE (MF) : -MASS #2; LEFT VENTRAL CERVICAL REGION: SINGLE MASS, 23 X 15 X 10 MM, RED, TAN AND FIRM; SAME ON CUT SURFACE; COLLECTED; REGIONAL LN (SEE MANDIBULAR)	
	UTERUS (UT) : -THICKENED WALL; BILATERAL: DIFFUSE	UTERUS (UT) : >UNREMARKABLE CAUSE OF DEATH (CD) : -SCHEDULED SACRIFICE,-PRESENT
	LN, MANDIBULAR (MN) : -DIFFUSELY RED; BILATERAL: DARK RED; COLLECTED	LN, MANDIBULAR (MN) : -HYPERPLASIA, LYMPHOPLASMACYTIC,-MODERATE -HEMORRHAGE,-PRESENT
	GENERAL COMMENT (GC) : -BLOOD FILM TAKEN -BONE MARROW SMEAR TAKEN -MALOCCLUSION; BILATERAL: UPPER INCISORS	

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH
PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT IN RATS

ANIMAL NUMBER: C93220 SEX: FEMALE DOSE GROUP: 6 SACRIFICE STATUS: SCHEDULED, FIRST POST-RECOV SAC
DATE OF DEATH: 04/24/00 STUDY DAY OF DEATH: 736 STUDY WEEK OF DEATH: 106 TERMINAL BODY WEIGHT: 580.2 GRAMS
DATE AND TIME OF NECROPSY: 04/24/00 8:12 PROSECTOR: LAURIE J. SCHULLER RECORDER: JERALD W. JOHNSON
POST-FIX WEIGHER: NOT AVAILABLE PATHOLOGIST: AS ASSIGNED WEIGHER: NOT AVAILABLE

THE FOLLOWING ORGANS WERE UNREMARKABLE AT NECROPSY:
EYE (EY), BRAIN (BR), KIDNEY (KD), SPLEEN (SP), PANCREAS (PA), ADRENAL, MEDULLA (MA), OVARY (OV), BONE, FEMUR (FE), MARROW, FEMUR (FM), MARROW, STERNUM (SE), BONE, STERNUM (SB), SPINAL CORD (SC), THYMUS (TH), HEART (HT), MUSCLE, SKELETAL (SM), NERVE, SCIATIC (SN), TRACHEA (TR), ESOPHAGUS (ES), THYROID (TY), PARATHYROID (PT), HARDERIAN GLAND (HG), SALIV GL, MANDIB (SG), STOMACH, GL (ST), STOMACH, NONGL (SU), DUODENUM (DU), JEJUNUM (JE), ILEUM (IL), CECUM (CE), COLON (CO), RECTUM (RE), SKIN (SK), URINARY BLADDER (UB), CERVIX (CV), VAGINA (VA), LN, MEDIASTINAL (ML), LN, AXILLARY (AX), LN, INGUINAL (IN), LN, OTHER (LN), LN, RENAL (RL), TAIL (TI), LN, LUMBAR/ILIAC (LM), CAVITY, ABDOM (PC), AUDITORY SEB GL (AS), FOOT/FOOTPAD (FP), AORTA (AO), CALVARIUM/SKULL (CA), LN, ANT MES/PANC (AP), JOINT, OTHER (JT), CLITORAL GLAND (CL), URETER (UE), ADIPOSE TISSUE (AT), DIAPHRAGM (DP), CAVITY, THORACIC (TA), LN, TRACHEOBRON (TB), LN, POPLITEAL (PP), MUSCLE, OTHER (MO), PERICARDIAL SAC (PD), PINNA (PN), ARTERY, OTHER (AU), AORTIC ARCH (AA), LN, ILEOCECAL (IC), BILE DUCT (BD), TRIGEMINAL NERVE (TG)

THE FOLLOWING TISSUES WERE UNREMARKABLE AT MICROSCOPIC EXAMINATION:
THYROID (TY), PARATHYROID (PT), URINARY BLADDER (UB)

APPENDIX 7

Cell Proliferation Report

Note: This appendix contains information supplied by Pathology Associates International (PAI) and has been reviewed by the Quality Assurance Unit of PAI.

Pathology Associates International
A Company of Science Applications International Corporation
An Employee-Owned Company

FINAL
CELL PROLIFERATION REPORT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS;T-6295) IN RATS COVANCE STUDY NUMBER 6329-183

PREPARED FOR:

3M
TOXICOLOGY SERVICES
BUILDING 220-2E-02, 3M CENTER
ST. PAUL, MN 55144-1000

PREPARED BY:

PATHOLOGY ASSOCIATES INTERNATIONAL
15 WORMAN'S MILL COURT, SUITE I
FREDERICK, MD 21701

SEPTEMBER 15, 1999

15 Worman's Mill Court, Suite I * Frederick, Maryland 21701 * (301) 663-1644 * (301) 663-8994 FAX

TABLE OF CONTENTS

Contents	Section
Narrative	I
Tables	II
Figures	III
Signature Page	IV
Quality Assurance Statement	V
Appendix	VI

CELL PROLIFERATION REPORT

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS;T-6295) IN RATS COVANCE STUDY NUMBER 6329-183

PURPOSE

The purpose of the study was to assess the chronic toxicity and carcinogenicity of the test material when administered in the diet to rats for at least 104 weeks.

This report, submitted by Pathology Associates International (PAI) to the study Sponsor, 3M, represents the cell proliferation findings and interpretation for Covance Study Number 6329-183 entitled "104-Week Dietary Chronic Toxicity and Carcinogenicity Study with Perfluorooctane Sulfonic Acid Potassium Salt (PFOS; T-6295) in Rats". All aspects of the tasks associated with PAI's portion of this study were conducted in compliance with the Environmental Protection Agency Good Laboratory Practice (GLP) Regulations as set forth in Title 40 of the US Code of Federal Regulations, Part 792, issued November 29, 1983 (effective December 29, 1983), and any applicable amendments with the following exception. An expired reagent was used in the BrdU immunohistochemistry staining procedure (mouse IgG, Vector, lot # PK-4002, PAI No. K351, exp. 4/9/99). The staining was judged to be satisfactory; therefore, this GLP deviation does not impact the scientific validity of the study.

MATERIALS AND METHODS

Proliferating Cell Nuclear Antigen (PCNA) Staining and Evaluation

Tissue Collection for Cell Proliferation

Five animals per sex per group in groups 1 through 5 were sacrificed at weeks 4 and 14 for hepatocellular proliferation. A section of the left lateral lobe of the liver from each of 5 rats per group (groups 1-5) was fixed in zinc formalin, processed, and embedded to paraffin block by Covance per protocol specifications. Tissue blocks were shipped to PAI for sectioning and staining. From each block, a slide was prepared for H&E evaluation and immunohistochemical detection of proliferating cell nuclear antigen (PCNA), an endogenous marker of cell proliferation.

Immunohistochemistry for Cell Proliferation

Sections of paraffin-embedded tissues were cut at 5 μm and placed on positively charged slides (Superfrost Plus, Fisher Scientific, Pittsburgh, PA) to ensure adhesion during processing for PCNA. Standard immunohistochemical methods were used to stain tissues for PCNA [PAI's Standard Operating Procedure for Immunohistochemical Staining (SOP #707)]. Briefly, tissue sections were incubated with a monoclonal antibody to PCNA (DAKO, lot #016; PAI No.

A1899) and reagents required for the avidin-biotin peroxidase (ABC Kit; Vector, lot #PK-6100; PAI No. K 327) method for the detection of the antigen-antibody complex. PCNA expression in cells in all phases of the cell cycle (G_1, S, G_2 and M) was localized by the chromagen 3,3'-diaminobenzidine (DAB; Sigma Chemical Co., lot #18H8201). Tissue sections were counterstained with hematoxylin.

Cell Proliferation Measurements

The percentage of proliferating cells (proliferating index, PI) was determined by scoring at least 2000 hepatocytes in at least 6 fields of liver. In most cases, at least 3000 hepatocytes were scored in 10 fields, but in four animals there was insufficient tissue present on the slide to be able to score as many cells. Slides were first perused at low magnification (100X) to judge quality of staining, processing and sectioning, and pattern of cell labeling (e.g., centrilobular or panlobular, extrahepatocellular proliferation, such as Kupffer cells, bile duct epithelium, endothelium), and histomorphologic changes. The latter was further assessed by evaluating the serial H&E slide for each animal evaluated for cell proliferation. Cell proliferation was then quantified at higher magnification (200X) as described above.

A negative control slide was included in the staining run and consisted of study tissue from animal #C93008 that was not incubated with the primary antibody.

Statistical Analysis

The Student's *t*-test (two-sided, unequal variance) was used to test for statistical significance in PI between control and treatment groups using Microsoft Excel version 5.0. A P value of 0.05 was judged to be statistically significant.

Bromodeoxyuridine (BrdU) Staining and Evaluation

Tissue Collection for Cell Proliferation

Seven days before the week 52 interim sacrifice, osmotic pumps containing 20 mg/ml BrdU were surgically implanted in five animals per sex per group in groups 1 and 5 for hepatocellular proliferation. A section of the liver and duodenum from each of 5 rats per group (groups 1 and 5 only) was taken at necropsy and embedded to paraffin block by Covance per protocol specifications. Tissue blocks were shipped to PAI for sectioning and staining. From each block, a slide was prepared for H&E evaluation and immunohistochemical detection of BrdU, an exogenous marker of cell proliferation.

Immunohistochemistry for Cell Proliferation

Sections of paraffin-embedded tissues were cut at 5 µm and placed on positively charged slides (Superfrost Plus, Fisher Scientific, Pittsburgh, PA) to ensure adhesion during processing for BrdU. Standard immunohistochemical methods were used to stain tissues for BrdU [PAI's Standard Operating Procedure for Immunohistochemical Staining (SOP #707)]. Briefly, tissue sections were incubated with a monoclonal antibody to BrdU (Becton Dickenson, lot #81604;

PAI No. A2089) and reagents required for the avidin-biotin peroxidase (ABC Kit; Vector, lot #PK-6100; PAI No. K351) method for the detection of the antigen-antibody complex. BrdU incorporation into cells in S phase of the cell cycle was localized by the chromagen 3,3'-diaminobenzidine (DAB; Sigma Chemical Co., lot #108H8210). Tissue sections were counterstained with hematoxylin.

Cell Proliferation Measurements

The percentage of BrdU-labeled cells (labeling index, LI) was determined by scoring at least 2000 hepatocytes in 10 fields of liver. Slides were first perused at low magnification (100X) to judge quality of staining, processing and sectioning, pattern of cell labeling (e.g., centrilobular or panlobular, extrahepatocellular proliferation, such as Kupffer cells, bile duct epithelium, endothelium), and histomorphologic changes. The latter was further assessed by evaluating the H&E slide for each animal evaluated for cell proliferation. Cell proliferation was then quantified at higher magnification (200X) as described above.

A negative control slide was included in the staining run and consisted of study tissue from animal #C92534 that was not incubated with the primary antibody.

Statistical Analysis

The Student's *t*-test (two-sided, unequal variance) was used to test for statistical significance in LI between control and treatment groups using Microsoft Excel version 5.0. A P value of 0.05 was judged to be statistically significant.

RESULTS

PCNA Cell Proliferation

Individual animal and group mean PCNA cell proliferation data are presented in Section II (Tables 1-4) and graphically in Section III (Figures 1 and 2). The negative control tissue was judged to be free from background staining. At 4 and 14 weeks on study, the percentage of proliferating hepatocytes (PI) in treated animals did not differ significantly from control animals for either sex.

BrdU Cell Proliferation

Individual animal and group mean BrdU cell proliferation data are presented in Section II (Table 5) and graphically in Section III (Figure 3). The negative control tissue was judged to be free from background staining. The percentage of labeled hepatocytes (LI) in treated animal groups did not differ significantly from control animals for either sex at 52 weeks on study.

Histopathology

Sections from the same tissue blocks used for preparation of PCNA- and BrdU-stained slides were stained with hematoxylin and eosin (H&E) for histopathologic evaluation to facilitate the

interpretation of the immunostained slides. Individual animal findings and group summaries are presented in Appendix I.

The results showed that no significant changes were observed in the liver from male and female rats, which would alter the interpretation of the PCNA or BrdU staining in this study.

DISCUSSION

In the present study, cell proliferation was measured by PCNA immunohistochemistry within the liver of male and female rats from control (Group 1), low dose (Group 2), mid dose (Group 3), mid-high dose (Group 4), and high dose (Group 5) groups after 4 and 14 weeks on study, and by BrdU immunohistochemistry in the liver from control (Group 1) and high dose (Group 5) male and female rats after 52 weeks on study. The decision to use BrdU labeling to detect proliferating cells at 52 weeks was based on the increased sensitivity of continuous labeling with BrdU compared to PCNA in detecting a proliferative response in the liver of rats. In this case, BrdU was administered via osmotic pump continuously for 7 days.

A statistically significant increase in cell proliferation, as determined by the PCNA proliferating index (PI) at 4 and 14 weeks, or by the BrdU labeling index at 52 weeks, was not observed in the liver of male or female rats. Although statistical analysis did not reveal a significant cell proliferative response to the test material, biological significance was evident in individual animals. Biological significance for an individual animal is defined as a doubling in PI or LI over controls and greater than the highest control value. Thus, the data are presented in terms of severity (fold increase over controls) and incidence (number of animals showing biological significance). As seen in Text Table 1, biologically significant cell proliferation was evident in 2/5 male rats at the high dose after 4 weeks on study and in 1/5 male rats at the mid-high dose and mid dose after 4 weeks on study. This apparent and minimal proliferative response seen in male rats at 4 weeks was less than the control PI at 14 weeks, and was not sustained as evidenced by the lack of a response at week 14. Furthermore, none of the animals exhibited a proliferative response at 52 weeks. Therefore, the proliferative responses seen in these individual male animals was a possible mild response evident only at 4 weeks.

Text Table 1. Biologically Significant Cell Proliferation in Liver of Male Rats

Group	Week 4		Week 14		Week 52	
	Severity[1]	Incidence[2]	Severity[1]	Incidence[2]	Severity[1]	Incidence[2]
Low dose	<1	0/5	<1	0/5	-	-
Mid dose	1.6	1/5	<1	0/5	-	-
Mid-high dose	1.0	1/5	<1	0/5	-	-
High dose	1.5	2/5	<1	0/5	<1	0/4

[1]Fold increase over controls
[2]Number of animals with a PI or LI double the mean control value and greater than the highest control animal

In contrast to male rats, biologically significant cell proliferation was evident in female rats at the mid-high dose (2/5 rats) and at the high dose (2/5 rats) after 4 weeks, and at the low dose (2/5 rats) and mid dose (1/5 rats) after 14 weeks on study, as seen in Text Table 2. The degree of the proliferative response observed in females was greater than that seen in the males. The proliferative response observed at week 4 was not sustained after 14 weeks, nor was a proliferative response observed at 52 weeks. Based on the severity and incidence of the proliferative response seen in the high dose females, and the dose response relationship seen at 4 weeks, the test material is judged to induce a transient proliferative response in the liver of female rats at the high dose.

Text Table 2. Biologically Significant Cell Proliferation in Liver of Female Rats

Group	Week 4		Week 14		Week 52	
	Severity[1]	Incidence[2]	Severity[1]	Incidence[2]	Severity[1]	Incidence[2]
Low dose	1.0	0/5	2.6	2/5	-	-
Mid dose	1.1	0/5	1.2	1/5	-	-
Mid-high dose	1.8	2/5	<1	0/5	-	-
High dose	3.5	2/5	<1	0/5	<1	0/5

[1]Fold increase over controls
[2]Number of animals with a PI or LI double the mean control value and greater than the highest control animal

Interestingly, a rare pattern of PCNA-labeling was observed in high dose female rats at week 14, which was not seen in any other groups, nor at the earlier time point. The staining was characterized by a granular cytoplasmic staining pattern localized to the hepatocytes around central veins of the liver. The significance of this type of labeling pattern is not known; however, it has been speculated that it may represent mitochondrial DNA synthesis (unpublished observation). Recently, it has been shown that PCNA can cross-react with peroxisomal multifunctional protein (Mayer, et al., 1998). Thus, it is possible that the centrilobular staining pattern observed in the high dose animals may be associated with peroxisomes.

The cell proliferation rates in the week 14 male rats were all higher than those in the week 4 male rats. In the female rats, cell proliferation rates at week 14 were higher than at week 4 in the control, low dose and mid dose groups, but not in the mid-high or high dose groups. The reason for the consistently higher cell proliferation rates in the week 14 animals is not known. However, all slides from the 4 and 14 week time points were stained together, so variation in staining between runs can be ruled out. One possibility is that the tissues were handled differently in terms of fixation and processing, which may have affected the staining. Despite this difference, comparisons can be made between each treatment group and the control group for a specific time point.

SUMMARY

The cell proliferation seen in the liver of male rats at 4 weeks was not dose-related, was minimal in severity (high dose was less than two-fold greater than controls), occurred in two of five

animals in the high dose group, and was transient in nature (i.e., was not sustained at 14 weeks). In female rats, cell proliferation in the liver was dose-related at week 4 but not at week 14, greater in severity compared to male rats (greater than two-fold at the high dose), and occurred in two of five animals in both the high and mid-high dose groups. Based on these findings, cell proliferation effects seen at 4 weeks in the rats were considered to be related to test material. At 52 weeks, there was no evidence of hepatocellular proliferation in male or female rats at the high dose.

LITERATURE CITED

Mayer, D., Forstner, K., Beier, K., and Volkl, A. (1998). Monoclonal antibodies against proliferating cell nuclear antigen cross-react with the peroxisomal multifunctional protein. *Anal Biochem* 256: 135-137.

II. TABLES

Legend

BrdU, bromodeoxyuridine

LI, labeling index, percentage of cells in S phase of the cell cycle as determined by BrdU staining

ND, not determined

PCNA, proliferating cell nuclear antigen

PI, proliferating index, percentage of cells in S, G1, G2 and M phases of the cell cycle as determined by PCNA staining

SEM, standard error of the mean

COVANCE STUDY NO. 6329-183
TABLE 1. PCNA CELL PROLIFERATION IN LIVER OF MALE RATS AFTER 4 WEEKS ON STUDY

Group	Sex	Animal Number	PCNA Proliferating Index*
1 - 0 ppm PFOS (Control)	M	C92506	0.027%
1 - 0 ppm PFOS (Control)	M	C92524	0.000%
1 - 0 ppm PFOS (Control)	M	C92526	0.130%
1 - 0 ppm PFOS (Control)	M	C92529	0.000%
1 - 0 ppm PFOS (Control)	M	C92546	0.053%
		Mean	**0.042%**
		SEM	**0.024%**
2 - 0.5 ppm PFOS (Low)	M	C92574	0.000%
2 - 0.5 ppm PFOS (Low)	M	C92575	0.027%
2 - 0.5 ppm PFOS (Low)	M	C92610	0.054%
2 - 0.5 ppm PFOS (Low)	M	C92613	0.080%
2 - 0.5 ppm PFOS (Low)	M	C92618	0.027%
		Mean	**0.038%**
		SEM	**0.014%**
3 - 2.0 ppm PFOS (Mid)	M	C92646	0.026%
3 - 2.0 ppm PFOS (Mid)	M	C92650	0.027%
3 - 2.0 ppm PFOS (Mid)	M	C92652	0.027%
3 - 2.0 ppm PFOS (Mid)	M	C92668	0.098%
3 - 2.0 ppm PFOS (Mid)	M	C92678	0.166%
		Mean	**0.069%**
		SEM	**0.028%**
4 - 5.0 ppm PFOS (Mid-High)	M	C92715	0.136%
4 - 5.0 ppm PFOS (Mid-High)	M	C92718	0.053%
4 - 5.0 ppm PFOS (Mid-High)	M	C92731	0.000%
4 - 5.0 ppm PFOS (Mid-High)	M	C92734	0.027%
4 - 5.0 ppm PFOS (Mid-High)	M	C92744	0.000%
		Mean	**0.043%**
		SEM	**0.025%**
5 - 20.0 ppm PFOS (High)	M	C92752	0.027%
5 - 20.0 ppm PFOS (High)	M	C92759	0.027%
5 - 20.0 ppm PFOS (High)	M	C92779	0.000%
5 - 20.0 ppm PFOS (High)	M	C92793	0.136%
5 - 20.0 ppm PFOS (High)	M	C92798	0.133%
		Mean	**0.065%**
		SEM	**0.029%**
*Proliferating cell nuclear antigen; percentage of cells in G1, S, G2 and M			

COVANCE STUDY NO. 6329-183
TABLE 2. PCNA CELL PROLIFERATION IN LIVER OF FEMALE RATS AFTER 4 WEEKS ON STUDY

Group	Sex	Animal Number	PCNA Proliferating Index*
1 - 0 ppm PFOS (Control)	F	C92861	0.080%
1 - 0 ppm PFOS (Control)	F	C92864	0.132%
1 - 0 ppm PFOS (Control)	F	C92914	0.000%
1 - 0 ppm PFOS (Control)	F	C92919	ND
1 - 0 ppm PFOS (Control)	F	C92926	0.000%
		Mean	**0.053%**
		SEM	**0.032%**
2 - 0.5 ppm PFOS (Low)	F	C92941	0.027%
2 - 0.5 ppm PFOS (Low)	F	C92945	0.056%
2 - 0.5 ppm PFOS (Low)	F	C92950	0.027%
2 - 0.5 ppm PFOS (Low)	F	C92969	0.110%
2 - 0.5 ppm PFOS (Low)	F	C92982	0.053%
		Mean	**0.055%**
		SEM	**0.015%**
3 - 2.0 ppm PFOS (Mid)	F	C92996	0.054%
3 - 2.0 ppm PFOS (Mid)	F	C93006	0.053%
3 - 2.0 ppm PFOS (Mid)	F	C93008	0.108%
3 - 2.0 ppm PFOS (Mid)	F	C93031	0.028%
3 - 2.0 ppm PFOS (Mid)	F	C93045	0.054%
		Mean	**0.059%**
		SEM	**0.013%**
4 - 5.0 ppm PFOS (Mid-High)	F	C93058	0.186%
4 - 5.0 ppm PFOS (Mid-High)	F	C93067	0.161%
4 - 5.0 ppm PFOS (Mid-High)	F	C93070	0.027%
4 - 5.0 ppm PFOS (Mid-High)	F	C93075	0.000%
4 - 5.0 ppm PFOS (Mid-High)	F	C93084	0.110%
		Mean	**0.097%**
		SEM	**0.036%**
5 - 20.0 ppm PFOS (High)	F	C93114	0.056%
5 - 20.0 ppm PFOS (High)	F	C93123	0.027%
5 - 20.0 ppm PFOS (High)	F	C93142	0.349%
5 - 20.0 ppm PFOS (High)	F	C93144	0.430%
5 - 20.0 ppm PFOS (High)	F	C93159	0.054%
		Mean	**0.183%**
		SEM	**0.085%**

*Proliferating cell nuclear antigen; percentage of cells in G1, S, G2 and M

COVANCE STUDY NO. 6329-183
TABLE 3. PCNA CELL PROLIFERATION IN LIVER OF MALE RATS AFTER 14 WEEKS ON STUDY

Group	Sex	Animal Number	PCNA Proliferating Index*
1 - 0 ppm PFOS (Control)	M	C92509	0.323%
1 - 0 ppm PFOS (Control)	M	C92511	0.521%
1 - 0 ppm PFOS (Control)	M	C92521	0.588%
1 - 0 ppm PFOS (Control)	M	C92528	0.137%
1 - 0 ppm PFOS (Control)	M	C92532	0.247%
		Mean	**0.363%**
		SEM	**0.084%**
2 - 0.5 ppm PFOS (Low)	M	C92593	0.084%
2 - 0.5 ppm PFOS (Low)	M	C92600	0.081%
2 - 0.5 ppm PFOS (Low)	M	C92616	0.240%
2 - 0.5 ppm PFOS (Low)	M	C92621	0.296%
2 - 0.5 ppm PFOS (Low)	M	C92627	0.188%
		Mean	**0.178%**
		SEM	**0.042%**
3 - 2.0 ppm PFOS (Mid)	M	C92640	0.136%
3 - 2.0 ppm PFOS (Mid)	M	C92645	0.561%
3 - 2.0 ppm PFOS (Mid)	M	C92662	0.242%
3 - 2.0 ppm PFOS (Mid)	M	C92676	0.161%
3 - 2.0 ppm PFOS (Mid)	M	C92684	0.108%
		Mean	**0.242%**
		SEM	**0.083%**
4 - 5.0 ppm PFOS (Mid-High)	M	C92713	0.137%
4 - 5.0 ppm PFOS (Mid-High)	M	C92714	0.466%
4 - 5.0 ppm PFOS (Mid-High)	M	C92719	0.107%
4 - 5.0 ppm PFOS (Mid-High)	M	C92722	0.542%
4 - 5.0 ppm PFOS (Mid-High)	M	C92728	0.421%
		Mean	**0.335%**
		SEM	**0.089%**
5 - 20.0 ppm PFOS (High)	M	C92765	0.560%
5 - 20.0 ppm PFOS (High)	M	C92777	0.352%
5 - 20.0 ppm PFOS (High)	M	C92789	0.027%
5 - 20.0 ppm PFOS (High)	M	C92799	0.056%
5 - 20.0 ppm PFOS (High)	M	C92812	0.053%
		Mean	**0.210%**
		SEM	**0.106%**

*Proliferating cell nuclear antigen; percentage of cells in G1, S, G2 and M

COVANCE STUDY NO. 6329-183
TABLE 4. PCNA CELL PROLIFERATION IN LIVER OF FEMALE RATS AFTER 14 WEEKS ON STUDY

Group	Sex	Animal Number	PCNA Proliferating Index*
1 - 0 ppm PFOS (Control)	F	C92880	0.082%
1 - 0 ppm PFOS (Control)	F	C92887	0.161%
1 - 0 ppm PFOS (Control)	F	C92898	0.137%
1 - 0 ppm PFOS (Control)	F	C92903	0.028%
1 - 0 ppm PFOS (Control)	F	C92905	0.085%
		Mean	**0.099%**
		SEM	**0.023%**
2 - 0.5 ppm PFOS (Low)	F	C92944	0.110%
2 - 0.5 ppm PFOS (Low)	F	C92962	0.826%
2 - 0.5 ppm PFOS (Low)	F	C92967	0.215%
2 - 0.5 ppm PFOS (Low)	F	C92978	0.080%
2 - 0.5 ppm PFOS (Low)	F	C92987	0.054%
		Mean	**0.257%**
		SEM	**0.145%**
3 - 2.0 ppm PFOS (Mid)	F	C92993	0.081%
3 - 2.0 ppm PFOS (Mid)	F	C93000	0.054%
3 - 2.0 ppm PFOS (Mid)	F	C93018	0.054%
3 - 2.0 ppm PFOS (Mid)	F	C93023	0.356%
3 - 2.0 ppm PFOS (Mid)	F	C93035	0.053%
		Mean	**0.120%**
		SEM	**0.059%**
4 - 5.0 ppm PFOS (Mid-High)	F	C93051	0.054%
4 - 5.0 ppm PFOS (Mid-High)	F	C93064	0.082%
4 - 5.0 ppm PFOS (Mid-High)	F	C93071	0.057%
4 - 5.0 ppm PFOS (Mid-High)	F	C93085	0.027%
4 - 5.0 ppm PFOS (Mid-High)	F	C93109	0.053%
		Mean	**0.055%**
		SEM	**0.009%**
5 - 20.0 ppm PFOS (High)	F	C93111	0.028%
5 - 20.0 ppm PFOS (High)	F	C93127	0.140%
5 - 20.0 ppm PFOS (High)	F	C93143	0.081%
5 - 20.0 ppm PFOS (High)	F	C93155	0.000%
5 - 20.0 ppm PFOS (High)	F	C93169	0.084%
		Mean	**0.067%**
		SEM	**0.024%**

*Proliferating cell nuclear antigen; percentage of cells in G1, S, G2 and M

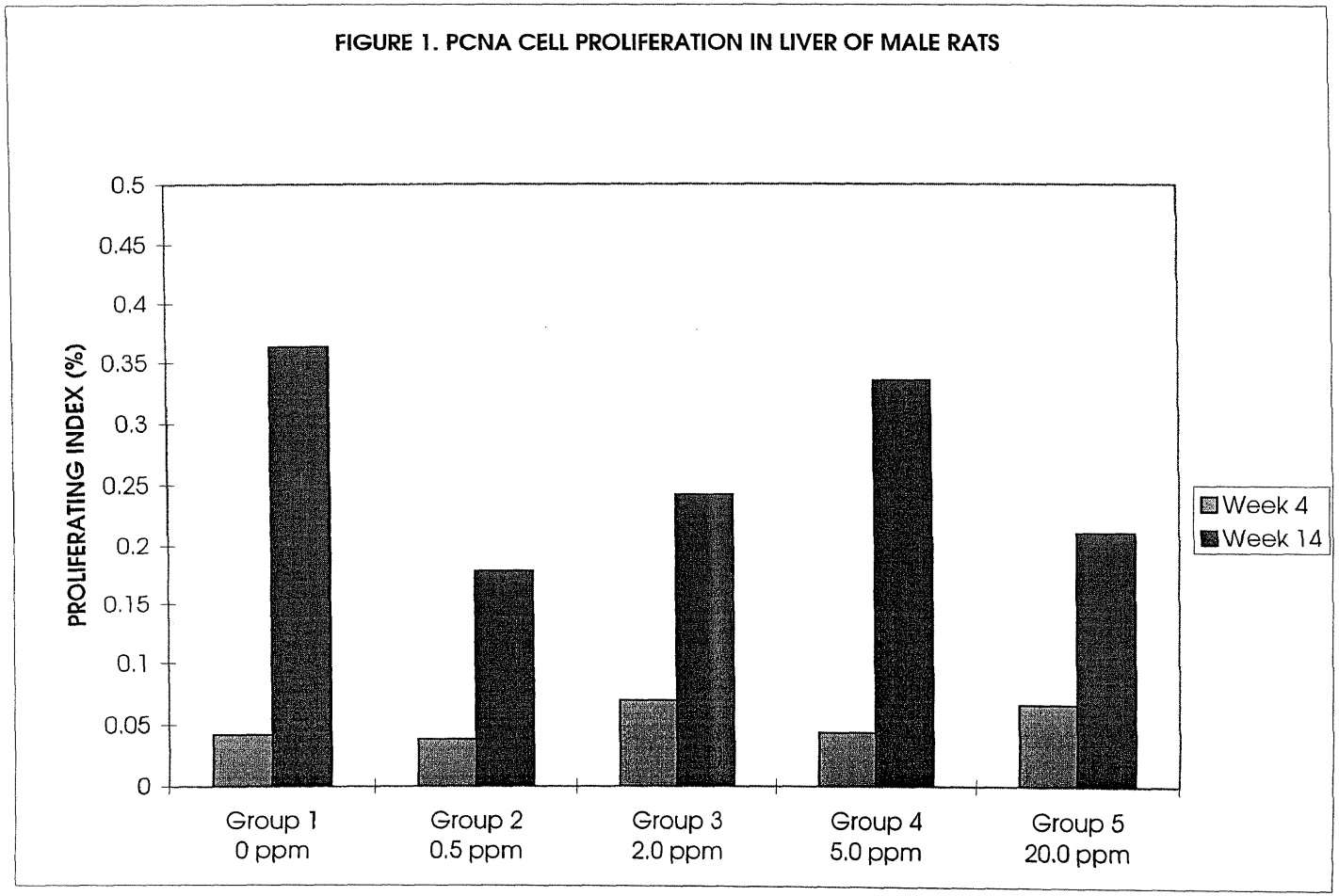
COVANCE STUDY NO. 6329-183
TABLE 5. BRDU CELL PROLIFERATION IN RAT LIVER AFTER 52 WEEKS ON STUDY

Treatment Group	Gender	Animal Number	BrdU Labeling Index*
1	Male	C92504	0.51%
1	Male	C92512	0.19%
1	Male	C92534	0.09%
1	Male	C92562	0.26%
1	Male	C92570	0.24%
		Mean	**0.26%**
		SEM	**0.07%**
5	Male	C92778	0.08%
5	Male	C92795	0.31%
5	Male	C92796	0.09%
5	Male	C92817	0.38%
		Mean	**0.22%**
		SEM	**0.08%**
1	Female	C92876	6.94%
1	Female	C92889	1.23%
1	Female	C92899	1.64%
1	Female	C92923	1.40%
1	Female	C92930	0.11%
		Mean	**2.26%**
		SEM	**1.20%**
5	Female	C93112	0.26%
5	Female	C93120	0.11%
5	Female	C93154	0.03%
5	Female	C93163	0.27%
5	Female	C93171	0.13%
		Mean	**0.16%**
		SEM	**0.05%**

*Bromodeoxyuridine; percentage of cells in S phase

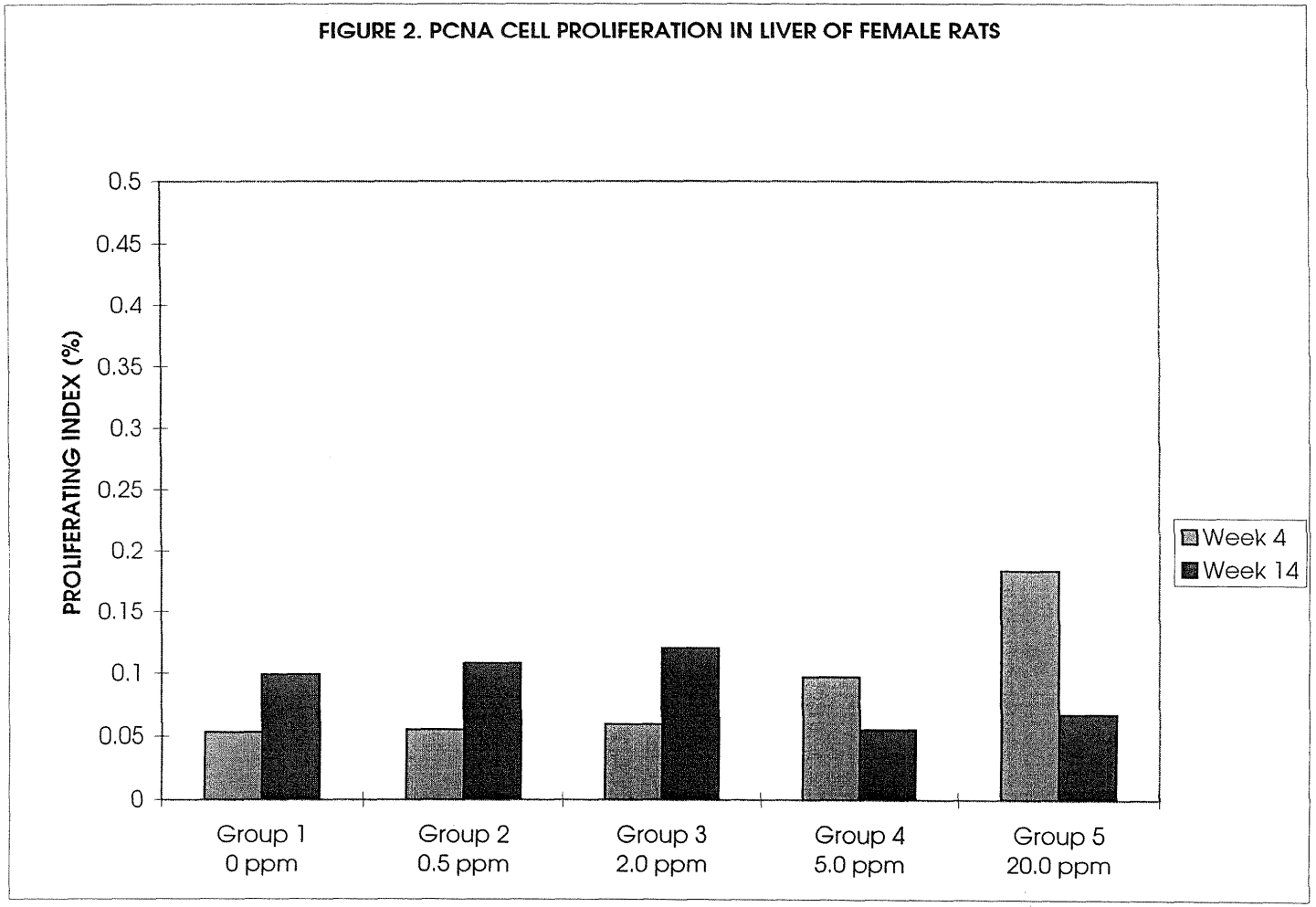
Covance Study Number 6329-183

FIGURE 1. PCNA CELL PROLIFERATION IN LIVER OF MALE RATS



Covance Study Number 6329-183

FIGURE 2. PCNA CELL PROLIFERATION IN LIVER OF FEMALE RATS



Final Cell Proliferation Report
Covance Study Number 6329-183

IV. SIGNATURE PAGE

Submitted by:

PAI Project Manager:

Sandra R. Eldridge, Ph.D. — Date: Sept. 20, 1999

PAI Project Pathologist:

Carolyn Moyer, D.V.M., Diplomate, A.C.V.P. — Date: 9/20/99

V. QUALITY ASSURANCE STATEMENT

Pathology Associates International
A Company of Science Applications International Corporation
An Employee-Owned Company

Cell Proliferation Report

104-Week Dietary Chronic Toxicity and Carcinogenicity Study With Perfluorooctane Sulfonic Acid Potassium Salt (PFOS; T-6295) in Rats

Covance Study No.: 6329-183

QUALITY ASSURANCE STATEMENT

This cell proliferation project has been inspected and audited by the PAI Quality Assurance Unit (QAU) as required by the Good Laboratory Practice (GLP) regulations promulgated by the U. S. Environmental Protection Agency (EPA-TSCA). The cell proliferation report is an accurate reflection of the recorded data. The following table is a record of the inspections/audits performed and reported by the QAU.

Date of Inspection	Phase Inspected	Date Findings Report to PAI Management/ Project Manager/Pathologist
08/18/98	Labeling (100% slide/block match)	08/18/98
10/07/98	Study Data and Supporting Documentation	10/08/98
10/07/98	Draft Cell Proliferation Report	10/08/98
05/10/99	Staining and Coverslipping	05/10/99
08/20,24/99	Second Draft Cell Proliferation Report	08/24/99
09/15/99	Final Cell Proliferation Report	09/15/99

Karen E. Butler
Quality Assurance Specialist

9/15/99
Date

15 Worman's Mill Court, Suite I • Frederick, Maryland 21701 • (301) 663-1644 • (301) 663-8994 FAX

VI. APPENDIX

Covance Study Number 6329-183

Individual Animal Findings

104-Week Dietary Chronic Toxicity and Carcinogenicity Study with Perfluorooctane Sulfonic Acid Potassium Salt (PFOS;T-3295) in Rats

Histopathologic Findings after 4 Weeks on Study

Tissue: Liver

Animal Number	Sex	Dose Group	Histologic Findings Liver
C92506	M	1-0 ppm PFOS (Control)	No Significant Findings
C92524	M	1-0 ppm PFOS (Control)	No Significant Findings
C92526	M	1-0 ppm PFOS (Control)	No Significant Findings
C92529	M	1-0 ppm PFOS (Control)	No Significant Findings
C92546	M	1-0 ppm PFOS (Control)	No Significant Findings
C92574	M	2-0.5 ppm PFOS (Low)	No Significant Findings
C92575	M	2-0.5 ppm PFOS (Low)	No Significant Findings
C92610	M	2-0.5 ppm PFOS (Low)	No Significant Findings
C92613	M	2-0.5 ppm PFOS (Low)	No Significant Findings
C92618	M	2-0.5 ppm PFOS (Low)	No Significant Findings
C92646	M	3-2.0 ppm PFOS (Mid)	No Significant Findings
C92650	M	3-2.0 ppm PFOS (Mid)	No Significant Findings
C92652	M	3-2.0 ppm PFOS (Mid)	No Significant Findings
C92668	M	3-2.0 ppm PFOS (Mid)	No Significant Findings
C92678	M	3-2.0 ppm PFOS (Mid)	No Significant Findings
C92715	M	4-5.0 ppm PFOS (Mid-high)	No Significant Findings
C92718	M	4-5.0 ppm PFOS (Mid-high)	No Significant Findings
C92731	M	4-5.0 ppm PFOS (Mid-high)	No Significant Findings
C92734	M	4-5.0 ppm PFOS (Mid-high)	No Significant Findings
C92744	M	4-5.0 ppm PFOS (Mid-high)	No Significant Findings
C92752	M	5-20.0 ppm PFOS (High)	No Significant Findings
C92759	M	5-20.0 ppm PFOS (High)	No Significant Findings
C92779	M	5-20.0 ppm PFOS (High)	No Significant Findings
C92793	M	5-20.0 ppm PFOS (High)	No Significant Findings
C92798	M	5-20.0 ppm PFOS (High)	No Significant Findings

Covance Study Number 6329-183

Individual Animal Findings

104-Week Dietary Chronic Toxicity and Carcinogenicity Study with Perfluorooctane Sulfonic Acid Potassium Salt (PFOS;T-3295) in Rats

Histopathologic Findings after 4 Weeks on Study

Tissue: Liver

Animal Number	Sex	Dose Group	Histologic Findings Liver
C92861	F	1-0 ppm PFOS (Control)	No Significant Findings
C92864	F	1-0 ppm PFOS (Control)	No Significant Findings
C92914	F	1-0 ppm PFOS (Control)	No Significant Findings
C92919	F	1-0 ppm PFOS (Control)	No Significant Findings
C92926	F	1-0 ppm PFOS (Control)	No Significant Findings
C92941	F	2-0.5 ppm PFOS (Low)	No Significant Findings
C92945	F	2-0.5 ppm PFOS (Low)	No Significant Findings
C92950	F	2-0.5 ppm PFOS (Low)	No Significant Findings
C92969	F	2-0.5 ppm PFOS (Low)	No Significant Findings
C92982	F	2-0.5 ppm PFOS (Low)	No Significant Findings
C92996	F	3-2.0 ppm PFOS (Mid)	No Significant Findings
C93006	F	3-2.0 ppm PFOS (Mid)	No Significant Findings
C93008	F	3-2.0 ppm PFOS (Mid)	No Significant Findings
C93031	F	3-2.0 ppm PFOS (Mid)	No Significant Findings
C93045	F	3-2.0 ppm PFOS (Mid)	No Significant Findings
C93058	F	4-5.0 ppm PFOS (Mid-high)	No Significant Findings
C93067	F	4-5.0 ppm PFOS (Mid-high)	No Significant Findings
C93070	F	4-5.0 ppm PFOS (Mid-high)	No Significant Findings
C93075	F	4-5.0 ppm PFOS (Mid-high)	No Significant Findings
C93084	F	4-5.0 ppm PFOS (Mid-high)	No Significant Findings
C93114	F	5-20.0 ppm PFOS (High)	No Significant Findings
C93123	F	5-20.0 ppm PFOS (High)	No Significant Findings
C93142	F	5-20.0 ppm PFOS (High)	No Significant Findings
C93144	F	5-20.0 ppm PFOS (High)	No Significant Findings
C93159	F	5-20.0 ppm PFOS (High)	No Significant Findings

Covance Study Number 6329-183

Individual Animal Findings

104-Week Dietary Chronic Toxicity and Carcinogenicity Study with Perfluorooctane Sulfonic Acid Potassium Salt (PFOS;T-3295) in Rats

Histopathologic Findings after 14 Weeks on Study

Tissue: Liver

Animal Number	Sex	Dose Group	Histologic Findings Liver
C92509	M	1-0 ppm PFOS (Control)	No Significant Findings
C92511	M	1-0 ppm PFOS (Control)	No Significant Findings
C92521	M	1-0 ppm PFOS (Control)	No Significant Findings
C92528	M	1-0 ppm PFOS (Control)	No Significant Findings
C92532	M	1-0 ppm PFOS (Control)	No Significant Findings
C92593	M	2-0.5 ppm PFOS (Low)	No Significant Findings
C92600	M	2-0.5 ppm PFOS (Low)	No Significant Findings
C92616	M	2-0.5 ppm PFOS (Low)	No Significant Findings
C92621	M	2-0.5 ppm PFOS (Low)	No Significant Findings
C92627	M	2-0.5 ppm PFOS (Low)	No Significant Findings
C92640	M	3-2.0 ppm PFOS (Mid)	No Significant Findings
C92645	M	3-2.0 ppm PFOS (Mid)	No Significant Findings
C92662	M	3-2.0 ppm PFOS (Mid)	No Significant Findings
C92676	M	3-2.0 ppm PFOS (Mid)	No Significant Findings
C92684	M	3-2.0 ppm PFOS (Mid)	No Significant Findings
C92713	M	4-5.0 ppm PFOS (Mid-high)	No Significant Findings
C92714	M	4-5.0 ppm PFOS (Mid-high)	No Significant Findings
C92719	M	4-5.0 ppm PFOS (Mid-high)	No Significant Findings
C92722	M	4-5.0 ppm PFOS (Mid-high)	No Significant Findings
C92728	M	4-5.0 ppm PFOS (Mid-high)	No Significant Findings
C92765	M	5-20.0 ppm PFOS (High)	No Significant Findings
C92777	M	5-20.0 ppm PFOS (High)	No Significant Findings
C92789	M	5-20.0 ppm PFOS (High)	No Significant Findings
C92799	M	5-20.0 ppm PFOS (High)	No Significant Findings
C92812	M	5-20.0 ppm PFOS (High)	No Significant Findings

Covance Study Number 6329-183

Individual Animal Findings

104-Week Dietary Chronic Toxicity and Carcinogenicity Study with Perfluorooctane Sulfonic Acid Potassium Salt (PFOS;T-3295) in Rats

Histopathologic Findings after 14 Weeks on Study

Tissue: Liver

Animal Number	Sex	Dose Group	Histologic Findings Liver
C92880	F	1-0 ppm PFOS (Control)	No Significant Findings
C92887	F	1-0 ppm PFOS (Control)	No Significant Findings
C92898	F	1-0 ppm PFOS (Control)	No Significant Findings
C92903	F	1-0 ppm PFOS (Control)	No Significant Findings
C95905	F	1-0 ppm PFOS (Control)	No Significant Findings
C92944	F	2-0.5 ppm PFOS (Low)	No Significant Findings
C92962	F	2-0.5 ppm PFOS (Low)	No Significant Findings
C92967	F	2-0.5 ppm PFOS (Low)	No Significant Findings
C92978	F	2-0.5 ppm PFOS (Low)	No Significant Findings
C92987	F	2-0.5 ppm PFOS (Low)	No Significant Findings
C92993	F	3-2.0 ppm PFOS (Mid)	No Significant Findings
C93000	F	3-2.0 ppm PFOS (Mid)	No Significant Findings
C93018	F	3-2.0 ppm PFOS (Mid)	No Significant Findings
C93023	F	3-2.0 ppm PFOS (Mid)	No Significant Findings
C93035	F	3-2.0 ppm PFOS (Mid)	No Significant Findings
C93051	F	4-5.0 ppm PFOS (Mid-high)	No Significant Findings
C93064	F	4-5.0 ppm PFOS (Mid-high)	No Significant Findings
C93071	F	4-5.0 ppm PFOS (Mid-high)	No Significant Findings
C93085	F	4-5.0 ppm PFOS (Mid-high)	No Significant Findings
C93109	F	4-5.0 ppm PFOS (Mid-high)	No Significant Findings
C93111	F	5-20.0 ppm PFOS (High)	No Significant Findings
C93127	F	5-20.0 ppm PFOS (High)	No Significant Findings
C93143	F	5-20.0 ppm PFOS (High)	No Significant Findings
C93155	F	5-20.0 ppm PFOS (High)	No Significant Findings
C93169	F	5-20.0 ppm PFOS (High)	No Significant Findings

APPENDIX 8

Electron Microscopy Report

Note: This appendix contains information supplied by the Pathology Associates International and has been reviewed by the Quality Assurance Unit of Pathology Associates International.

PATHOLOGY REPORT

TRANSMISSION ELECTRON MICROSCOPY EVAULUATION OF LIVER TISSUE IN RATS

104-WEEK DIETARY CHRONIC TOXICITY AND CARCINOGENICITY STUDY WITH PERFLUOROOCTANE SULFONIC ACID POTASSIUM SALT (PFOS;T-6295) IN RATS

COVANCE STUDY NUMBER 6329-183
PAI STUDY NUMBER EM 01.37

Prepared by:

Connie A. Cummings, D.V.M., PhD.

And

James B. Nold, D.V.M., Ph.D., Diplomate, A.C.V.P.

Pathology Associates
A Charles River Company
4915-D Prospectus Drive
Durham, NC 27713

October 10, 2001

PREPARED FOR COVANCE LABORATORIES INC.,
3301 KINSMAN BOULEVARD
MADISON, WISCONSIN 53704

THIS PAGE REVISED.
COVANCE STUDY NO.: 6329-183

SIGNATURE: _____ DATE: 11/27/01

Final Report Amendment

Covance Study Number:	6329-183
PAI Study Number:	EM 01.37
Study Title:	Transmission Electron Microscopy Evaluation of Liver Tissue in Rats. 104-Week Dietary Chronic Toxicity and Carcinogenicity study with Perfluorooctane sulfonic acid potassium salt (PFOS;T-6295) in rats
Date of Final Report:	October 10, 2001
Amendment:	Change Covance Study number from 6239-183 to the correct Study number of 6329-183 on the cover page and all the "Transmission Electron Micrograph Interpretation" forms found in Section II.
Reason for amendment:	Typographical error

Approvals:

Connie A. Cummings, D.V.M., PhD. Date 11/27/01

James B. Nold, D.V.M., PhD.
Diplomate, A.C.V.P. Date 27 Nov. 2001

Quality Assurance Officer Date 11/30/01

TABLE OF CONTENTS

	Section
Pathology Narrative	I
Transmission Electron Micrograph Interpretations	II
Transmission Electron Micrographs	III
Quality Assurance Statement	IV

SECTION I

PATHOLOGY NARRATIVE

Summary

Ten CrL:CD® (SD) IGS BR rats (five males and five females) were treated for 104 weeks with 20.0ppm (PFOS; T-6295). Ten other rats of similar strain (five males and five females) were used as controls. Liver samples were obtained from each of the 20 rats during necropsy at terminal sacrifice for examination by transmission electron microscopy (TEM). Liver samples were assessed for ultrastructural changes that may be related to chronic toxicity of the test material when administered in the diet. Electron microscopic evaluation identified mild to moderate changes related to treatment. Mild to moderate smooth endoplasmic reticulum hyperplasia and minimal to mild hepatocellular hypertrophy were the prominent features found to be different between the high dose group and control animals. Other changes included a slight increase in the amount of glycogen in treated animals compared with controls.

Procedure

The objective of this study was to examine ultrastructurally samples of liver from 10 rats treated orally for 104-weeks with PFOS; T-6295. This study is part of a larger chronic toxicity study of PFOS; T-6295. This portion of the study included 10 treated rats (5 males and 5 females) and 10 control rats (5 males and 5 females). Treated rats were orally dosed daily for at least 104 weeks with 20ppm of T-6295. The control rats were given the basal diet only. Terminal necropsies were performed on all 20 rats. Multiple tissues including liver were collected and preserved in 10% neutral-buffered formalin according to the study protocol. Additionally, samples of liver from each animal were thin-sliced, placed in 2% paraformaldehyde/2.5% glutaraldehyde in 0.1M phosphate buffer then subsequently processed and embedded in epoxy blocks for examination by TEM. Thin sections (approximately 90nm) from the epoxy blocks were cut, mounted on 200-mesh copper grids, stained with 5% methanolic uranyl acetate, and Reynold's lead citrate, then examined on a Zeiss EM10C or a Zeiss 900 transmission electron microscope. Both centrilobular and periportal hepatocytes were examined. Representative ultrastructural photomicrographs from each liver sample were taken and significant features were described and recorded for each micrograph, animal, and group. The descriptive features of each rat were recorded on a transmission electron micrograph interpretation form. The number of peroxisomes per hepatocyte was manually counted then averaged for each animal. The average number of peroxisomes per group was tabulated.

Results

Micrograph interpretations for each rat can be found in section II. Representative micrographs of specific features are shown in section III as report figures. All remaining electron micrographs are separately attached to this report grouped according to rat number.

TEM evaluation

A total of 113 micrographs were evaluated. Fifty-four (54) micrographs represented the control group while fifty-nine (59) micrographs represented the high-dose treated group. Ultrastructural findings for each group are summarized in Table 1. There was a minimal to mild increase in the size of hepatocytes in the treated group. Similarly, a mild to moderate increase in smooth endoplasmic reticulum (SER) was also noted. The increase in the size of most hepatocytes was generally due to the increase in SER. SER is invariably affected during some types of hepatic toxicity, mostly toxicities that induce

hepatic microsomal enzymes and lipid peroxidation (Cheville, 1994). Similarly, the increase in SER is regarded as an adaptive response by animals as a means to handle drug toxicities (Ghadially, 1997). Based on personal communication with the study pathologist, liver weights were increased and hepatocellular hypertrophy was evident in high dose animals, which is consistent with ultrastructural findings of an increase in SER (Ghadially, 1997).

Other minor features between treated and control groups were slight increases in glycogen and lipid. Both glycogen and lipid accumulations are considered a non-deleterious adaptive change and not overtly related to treatment. An incidental finding of large granular cell leukemia was seen in rat C92775, a high dose group male. All control animals were considered normal. Although a small number of control rats had a mild increase in SER, the increase in SER in hepatocytes of treated animals was much more prominent compared with the amount in hepatocytes of control animals.

Table 2 summarizes the quantitation of peroxisomes for each group. Often, an increase in the number of peroxisomes indicates an alteration in liver cell physiology. However, in this study, the average number of peroxisomes was not obviously different between treated and untreated animals.

Table 1 Ultrastructural findings per animal

Animal no	Group[1]/Sex[2]	Comments
C92505	1/M	Normal hepatocytes.
C92510	1/M	Normal hepatocytes.
C92513	1/M	Normal hepatocytes.
C92514	1/M	Normal hepatocytes.
C92518	1/M	Normal hepatocytes.
C92757	5/M	SER is increased in 5/5 hepatocytes. One hepatocyte had scattered glycogen while another hepatocyte is hypertrophic.
C92762	5/M	Mild Hepatocellular hypertrophy (2/5), increased SER (5/6). Two hepatocytes had some accumulation of glycogen.
C92775	5/M	Circulating lymphocytes are consistent with a diagnosis of large granular cell leukemia. SER is noticeably increased in 6/6 hepatocytes. Mild hepatocellular hypertrophy (1/6).
C92786	5/M	Hepatocytes (5/5) had early autolytic changes most likely due to fixation artifact; therefore, interpretation was limited.
C92791	5/M	A moderate to marked increase in SER. Glycogen is observed in 4/5.
C92868	1/F	Normal hepatocytes. One hepatocyte had abundant SER while two others have mild SER accumulation.
C92871	1/F	Normal hepatocytes.
C92874	1/F	Normal hepatocytes. One hepatocyte had a small amount of SER.
C92896	1/F	Normal hepatocytes. SER is minimally increased.
C92897	1/F	Normal hepatocytes.
C93113	5/F	Mild hepatocellular hypertrophy (2/6). SER is increased in 3/6 hepatocytes while lipid is prominent in 2/6 hepatocytes.
C93124	5/F	Mitochondria appear slightly larger in 4/6 hepatocytes.
C93125	5/F	Hepatocellular hypertrophy (4/6). SER is increased in 5/6 hepatocytes. One hepatocytes has scattered deposits of glycogen.
C93135	5/F	Mild hepatocellular hypertrophy (3/5). The amount of SER is increased in 5/5 hepatocytes while 4/5 hepatocytes have lipid accumulation. One hepatocyte also has scattered glycogen.
C93149	5/F	Hepatocellular hypertrophy (4/6). SER is increased in 6/6 hepatocytes. Lipid is present in 4/6 while one hepatocyte has lipofuscin granules.

[1]1=Control, 5=High dose group; [2]M=male, F=female; [3]ratio of abnormal hepatocytes per total number of hepatocytes described.

Table 2 Quantitation of Peroxisomes per rat[1]

Control Group				Treated Group			
Animal #	**Male**	**Animal #**	**Female**	**Animal #**	**Male**	**Animal #**	**Female**
C92505	21.8	C92868	16.6	C92757	20.2	C93113	27.5
C92510	21.2	C92871	15.6	C92762	18.0	C93125	18.3
C92513	16.5	C92874	16.4	C92775	13.0	C93135	20.0
C92514	16.0	C92896	22.8	C92786	13.8	C93149	16.3
C92518	32.2	C92897	16.2	C92791	19.5	C93124	26.8
Mean = 21.6		**Mean = 17.5**		**Mean = 16.9**		**Mean = 21.8**	

[1]The average number of hepatocytes counted per rat was 4.

Conclusion

Transmission electron microscopy evaluation was done on liver samples from rats treated orally with 20.0ppm PFOS;T-6295 for a total of at least 104 weeks. Treatment related ultrastructural changes included minimal to mild hepatocellular hypertrophy and a mild to moderate increase in SER.

Signature of Authors

Connie A. Cummings, D.V.M., PhD. Date 10/10/01

James B. Nold, D.V.M., PhD.
Diplomate, A.C.V.P. Date 10/10/01

References

Cheville NF: Ultrastructural Pathology An Introduction to Interpretation. 1st ed. p. 704. Ames: Iowa State University Press, 1994.

Ghadially FN: Ultrastructural pathology of the cell and matrix. 3rd ed. v. 1. p. 484. London: Butterworths, 1997

SECTION II

TRANSMISSION ELECTRON MICROGRAPH INTERPRETATIONS

TRANSMISSION ELECTRON MICROGRAPH INTERPRETATION

Study No.: 6329-183 EM 01.37

Species/Strain: Cr:CD® (SD) IGS BR

Animal No.: C92505

Tissue: Liver-Centrilobular

Treatment Group: 1 (Control)

Block No(s).: C92505-2A

Sex: Male

Photo/Negative No(s).:L6116-L6121

Significant Lesions (check one): _____ Yes __X__ No

Interpreting Pathologist (signature and date): March 19, 2001

Features:**L6116.** Liver. Hepatocyte. 7,920X. An oval shaped hepatocyte is located horizontally in the center of the micrograph. The nucleus is round with finely granular chromatin. Within the cytosol, there are numerous lipid droplets, mitochondria, and both RER and SER. Nineteen (19) peroxisomes are counted. The micrograph also contains multiple small elongated fissures (tissue artifact).
L6117. Liver. Hepatocyte. 7,920X. The hepatocyte is the exact same cell as in micrograph labeled **L6116**. Peroxisomes not counted.
L6118. Liver. Hepatocyte. 7,920X. A somewhat rounded hepatocyte is located in the center of the micrograph. The nucleus of this hepatocyte is rounded with two nucleoli, one marginating along the periphery of the nuclear membrane. Within the cytosol, there are numerous mitochondria, RER, and a number of large lipid vacuoles. A few small lysosomes are also found. Seventeen (17) peroxisomes are counted.
L6119. Liver. Hepatocyte. 7,530X. In the center of the micrograph is a hepatocyte that has two nuclei. Both nuclei are approximately the same size and shape. Both have a centrally located nucleolus. Within the cytosol of this large somewhat cuboidal cell are numerous mitochondria, RER, and lysosomes. Along the bottom left hand portion of the cell, there is a myelin figure observed. Thirty (30) peroxisomes are counted.
L6120. Liver. Hepatocyte. 10,200X. An oval centrally located hepatocyte is described. There is a large, round, somewhat eccentric nucleus with a single centrally located nucleolus. Within the cytosol, there are numerous round same-sized mitochondria, abundant RER, and a few randomly scattered lysosomes. Twenty-one (21) peroxisomes are counted.
L6121. Liver. Hepatocyte. 14,400X. A high magnification of the cytoplasm of a hepatocyte. The nucleus of the hepatocyte is found at the bottom of the micrograph. Within the cytosol, there are a number of mitochondria with normal lamellar cristae. In addition to the mitochondria, there is an abundance of RER, and randomly scattered lysosomes. A bile canaliculus is observed separating this hepatocyte from another hepatocyte at the upper right hand top of the micrograph. Peroxisomes not counted.

Conclusions: Normal hepatocytes. Two hepatocytes had a few lipid droplets. Peroxisome average is 21.8 per hepatocyte.

THIS PAGE REVISED.
COVANCE STUDY NO.: 6329-183

SIGNATURE: _____ DATE: 11/27/01

TRANSMISSION ELECTRON MICROGRAPH INTERPRETATION

Study No.: 6329-183 EM 01.37

Species/Strain: Cr:CD® (SD) IGS BR

Animal No.: C92510

Tissue: Liver-Periportal

Treatment Group: 1 (Control)

Block No(s).: C92510 2A

Sex: Male

Photo/Negative No(s).:L6183-L6187

Significant Lesions (check one): _____ Yes __X__ No

Interpreting Pathologist (signature and date): [signature] March 19, 2001

Features: **L6183**. Liver. Hepatocyte. 7,530X. In the center of the micrograph is a binucleated hepatocyte. The nuclei of this hepatocyte are similar in size and both are round. Within the cytosol, there are a number of similar sized mitochondria. RER is also observed. The cell membrane is easily delineated from the adjacent hepatocytes. Twenty (20) peroxisomes are counted. A bile canaliculus is found along the left hand edge of the micrograph between the central hepatocyte and the adjacent hepatocyte on that side.
L6184. Liver. Hepatocyte. 7,920X. A vertically centered hepatocyte is found in this micrograph. Along the top right hand corner, there are a few clumped erythrocytes. The central hepatocyte has a distinctly rounded nucleus having finely granular chromating. There are numerous mitochondria, RER, SER, and a few lipid droplets in the cytoplasm of this cell. Twenty-two (22) peroxisomes are counted.
L6185. Liver. Hepatocyte. 10,200X. A somewhat cuboidal hepatocyte is located in the center of the micrograph. The nucleus of this cell is small and round. The cytoplasm is abundant. Numerous mitochondria, RER, and lesser amount of SER are observed in the cytoplasm. Twenty-five (25) peroxisomes are counted. Erythrocytes are found along the top right hand edge of the micrograph.
L6186. Liver. Hepatocyte. 10,200X. A centrally located hepatocyte is noted in this micrograph. The nucleus is "bean" shaped due to a large lipid vacuole compressing along one side. There is another smaller lipid vacuole also observed in the cytoplasm. In addition to the lipid, there are numerous mitochondria, and RER in the cytoplasm. Eighteen (18) peroxisomes are counted.
L6187. Liver. Hepatocyte. 10,200X. A large magnification of a single hepatocyte. The nucleus is somewhat rounded with irregular indentation of the nuclear membrane. A single eccentric nucleolus is also observed. The cytoplasm contains a zonal cluster of mitochondria along the left hand edge and an expanded region of SER along the right hand edge of the cell. A small amount of RER is scattered randomly throughout the cell. Twenty-one (21) peroxisomes are counted.

Conclusions: Normal hepatocytes. Two hepatocytes had small lipid droplets while another had an expanded region of SER. Peroxisome average is 21.2 per hepatocyte.

SIGNATURE: [signature] THIS PAGE REVISED. COVANCE STUDY NO.: 6329-183 DATE: 11/27/01

TRANSMISSION ELECTRON MICROGRAPH INTERPRETATION

Study No.: 6329-183 EM 01.37

Species/Strain: Cr:CD® (SD) IGS BR

Animal No.: C92513

Tissue: Liver-Centrilobular

Treatment Group: 1 (Control)

Block No(s).: C92513-2A

Sex: Male

Photo/Negative No(s).: Z21345-Z21349

Significant Lesions (check one): _____ Yes X No

Interpreting Pathologist (signature and date): [signature] March 19, 2001

Features: **Z21345.** Liver. Hepatocyte. 15,700X. Approximately 90% of a single hepatocyte is observed in this micrograph. The nucleus is round with marginating chromatin. Within the cytosol, there are a number of mitochondria, SER, and RER. A few lipid vacuoles are also observed. Seventeen (17) peroxisomes are counted. Along the left hand edge of the micrograph is a bile canaliculus.
Z21346. Liver. Hepatocyte. 10,900X. In the center of the micrograph, there is a hepatocyte with a large rounded nucleus and a smaller nucleus along the right hand side of the micrograph. Within the larger nucleus, there is an eccentrically located single nucleolus. The cytosol contains a slightly decreased number of mitochondria, abundant RER, and a few randomly scattered lysosomes and lipid vacuoles. Nineteen (19) peroxisomes are counted.
Z21347. Liver. Hepatocyte. 10,900X. Approximately 90% of a single hepatocyte is found located in the center of the micrograph. This hepatocyte has an eccentrically located nucleus with one dense nucleolus. Within the cytosol, there is a cluster of lipid vacuoles along the right side of the cell. In addition to the lipid, there are a number of mitochondria, abundant RER, and a small amount of SER. Twenty-one (21) peroxisomes are counted.
Z21348. Liver. Hepatocyte. 15,700X. Approximately 90% of a single hepatocyte is observed in this micrograph. The nucleus is rounded and eccentrically located in the cell. There are five lipid droplets in the cytosol surrounded by mitochondria and RER. Abundant glycogen is also noted in the cytoplasm. Nine (9) peroxisomes are counted. A bile canaliculus is located at the top of the micrograph.
Z21349. Liver. Hepatocyte. 36,200X. A high magnification of the cytoplasm of a hepatocyte. Within the cytoplasm, there are a number of normal mitochondria. Scattered between the mitochondria are RER and small glycogen rosettes. Peroxisomes not counted.

Conclusions: Normal hepatocytes. A few lipid droplets were found in 4/5 hepatocytes, and scattered glycogen (2/5 hepatocytes) was also observed. Peroxisome average is 16.5 per hepatocyte.

THIS PAGE REVISED.
COVANCE STUDY NO.: 6329-183

SIGNATURE: [signature] DATE: 11/27/01

TRANSMISSION ELECTRON MICROGRAPH INTERPRETATION

Study No.: 6329-183 EM 01.37

Species/Strain: Cr:CD® (SD) IGS BR

Animal No.: C92514

Tissue: Liver-Periportal

Treatment Group: 1 (Control)

Block No(s).: C92514-2A

Sex: Male

Photo/Negative No(s).: Z21350-Z21354

Significant Lesions (check one): _____ Yes X No

Interpreting Pathologist (signature and date): [signature] March 19, 2001

Features: **Z21350.** Liver. Hepatocyte. 10,900X. A centrally located cuboidal hepatocyte is observed in this micrograph. The nucleus is round with a marginating nucleolus. The cytosol is filled with similar-sized mitochondria, RER, and a few lysosomes. Seventeen (17) peroxisomes are counted. Along the top left hand corner, there is a portion of a sinusoid. Small bile canaliculi are found between the central hepatocyte and the adjoining hepatocytes on both sides.

Z21351. Liver. Hepatocyte. 10,900X. A somewhat rounded hepatocyte is noted in the center of the micrograph. This hepatocyte contains a centrally located nucleus with a central nucleolus. The cytosol contains numerous mitochondria, RER, and a few lipid vacuoles. Eleven (11) peroxisomes are counted. Bordering the hepatocyte on the bottom and left hand side are bile canaliculi.

Z21352. Liver. Hepatocyte. 10,900X. Approximately 60% of a hepatocyte is observed in this micrograph. The nucleus is eccentrically located, round, with finely granular chromatin. There are numerous mitochondria and abundant RER in the cytoplasm. Peroxisomes not counted.

Z21353. Liver. Hepatocyte. 10,900X. A cuboidal hepatocyte is located in the center of the micrograph. The nucleus is round with a large nucleolus. The cytosol contains abundant RER, less SER, and numerous mitochondria. Twenty (20) peroxisomes are counted. A bile canaliculus is found along the lower half of the micrograph bordering the hepatocyte.

Z21354. Liver. Hepatocyte. 36,200X. A high magnification of mitochondria in the cytoplasm of a single hepatocyte. The mitochondria are normal with well-developed cristae. There is also abundant RER observed as well. Peroxisomes not counted.

Conclusions: Normal hepatocytes. Peroxisome average is 16.0 per hepatocyte.

THIS PAGE REVISED.
COVANCE STUDY NO.: 6329-183

SIGNATURE: [signature] DATE: 11/27/01

TRANSMISSION ELECTRON MICROGRAPH INTERPRETATION

Study No.: 6329-183 EM 01.37

Species/Strain: Cr:CD® (SD) IGS BR

Animal No.: C92518

Tissue: Liver- Periportal

Treatment Group: 1 (Control)

Block No(s).: C92518-2A

Sex: Male

Photo/Negative No(s).: L6203-L6207 & Z21355

Significant Lesions (check one): _____ Yes X No

Interpreting Pathologist (signature and date): [signature] March 19, 2001

Features: **Z21355.** Liver. Hepatocyte. 10,900X. Approximately 95% of a hepatocyte is observed in the center of the micrograph. The hepatocyte contains an eccentrically located nucleus that has three rounded edges and a flat edge. Within the nucleus, there is a centrally located dense nucleolus. The cytosol contains numerous mitochondria, abundant RER, and less SER. Thirty-one (31) peroxisomes are counted.

L6203. Liver. Hepatocyte. 7,920X. An oval hepatocyte is found in the center of the micrograph. An eccentrically located nucleus is somewhat oval as well. The chromatin is finely granular. Within the cytosol are numerous small similar-sized mitochondria and abundant RER. A few small lysosomes are observed as well. Thirty-four (34) peroxisomes are counted. Along the bottom edge of the micrograph, there is a portion of a perisinusoidal fat storing cell (Ito cell).

L6204. Liver. Hepatocyte. 7,920X. In the center of the micrograph, there is a somewhat polygonal shaped hepatocyte. This hepatocyte is bordered by portions of other hepatocytes along the bottom and top edge of the micrograph. The nucleus is small and cuboidal in shape. There is an abundance of cytoplasm filled with a number of small mitochondria, SER, RER, and a few small lysosomes. Thirty-three (33) peroxisomes are counted.

L6205. Liver. Hepatocyte. 7,920X. An oval shaped hepatocyte is observed in the upper central region of the micrograph. The hepatocyte contains a large rounded nucleus having finely stippled chromatin and small rounded pale nucleolus. The cytosol contains numerous mitochondria, SER, and some RER. Thirty-six (36) peroxisomes are counted. Below this hepatocyte, there are two other hepatocytes, one filled with six large lysosomes. Another perisinusoidal fat storing cell (Ito cell) is observed along the left hand margin of the micrograph.

L6206. Liver. Hepatocyte. 10,200X. A higher magnification of a single hepatocyte. Approximately 97% of the hepatocyte is observed. The nucleus is large, rounded, with a somewhat centrally located nucleolus. The cytosol contains numerous mitochondria, RER, SER, and a few randomly scattered lysosomes. Twenty-seven (27) peroxisomes are counted. There is a small bile canaliculus adjacent to the hepatocyte located on the upper left hand edge of the micrograph.

L6207. Liver. Hepatocyte. 28,350X. High magnification of the cytoplasm of a hepatocyte. Within this micrograph, there are a number of mitochondria, RER, and SER. Peroxisomes not counted.

Conclusions: Normal hepatocytes. Two hepatocytes had a small amount of SER. Peroxisome average is 32.2 per hepatocyte.

THIS PAGE REVISED.
COVANCE STUDY NO.: 6329-183

SIGNATURE: [signature] DATE: 11/27/01

TRANSMISSION ELECTRON MICROGRAPH INTERPRETATION

Study No.: 6329-183 EM 01.37

Species/Strain: Cr:CD® (SD) IGS BR

Animal No.: C92757

Tissue: Liver- Centrilobular

Treatment Group: 5 (High-20.0ppm T-6295)

Block No(s).: C92757-2A

Sex: Male

Photo/Negative No(s).:L6122-L6126 &L6200

Significant Lesions (check one): X Yes_____ No

Interpreting Pathologist (signature and date): March 20, 2001

Features:**L6122.** Liver. Hepatocyte. 7,530X. A somewhat rounded hepatocyte is found in the center of the micrograph. The nucleus of this cell is small. The cytoplasm contains mitochondria that are dispersed between patches of SER and less RER. Glycogen particles are scattered throughout the cell. Lipid vacuoles, some with myelin figures and a few small lysosomes are also observed. Thirty-two (32) peroxisomes are counted. Thin to somewhat dilated sinusoids separate this hepatocyte from portions of other hepatocytes. Similar to the central hepatocyte, lysosomes, glycogen, SER, RER, and mitochondria fill the cytoplasm of the surrounding hepatocytes.

L6123. Liver. Hepatocyte. 7,530X. In the lower center half of the micrograph somewhat located on the right side is a large globoid hepatocyte. This hepatocyte is bordered by three other hepatocytes. One hepatocyte along the lower left corner contains a number of lipid vacuoles. The central hepatocyte has a small distinctly round nucleus. The cytosol is filled with widely spaced mitochondria and RER due to abundant SER. A few small lysosomes and lipid vacuoles are also observed. Twenty-two (22) peroxisomes are counted.

L6124. Liver. Hepatocyte. 7,530X. The centrally located hepatocyte is oval with an eccentrically located round nucleus. The cytoplasm contains numerous mitochondria, SER, RER, and two large lipid vacuoles. The cell is surrounded on three sides by dilated sinusoids containing erythrocytes. Twenty (20) peroxisomes are counted. Other hepatocytes on this micrograph have similar characteristics as the hepatocyte described. The micrograph is pale and somewhat distorted due to chatter lines.

L6125. Liver. Hepatocyte. 7,920X. In the center of the micrograph, there is a large hepatocyte with no nucleus. A cluster of lipid vacuoles are found along the right side of the cell while mitochondria and SER are located in the left hand portion of the cytoplasm. Fifteen (15) peroxisomes are counted. A number of these peroxisomes are large and prominent. Surrounding this cell, on three sides, is a large dilated sinusoid containing erythrocytes.

L6126. Liver. Hepatocyte. 4,990X. In the center of the micrograph is an oval hepatocyte with two small portions of a nucleus. The cytoplasm is distended due to an increase in SER, numerous mitochondria, and randomly scattered RER. A few moderate sized lipid vacuoles and small lysosomes are also observed. Nineteen (19) peroxisomes are counted. Similar to hepatocyte in micrograph L6125, the hepatocyte is surrounded by dilated sinusoids that contain erythrocytes. In the top portion of the micrograph, there is a perisinusoidal fat storing cell (Ito cell) within the sinusoid above the central hepatocyte.

L6200. Liver. Hepatocyte. 7,920X. A large vertically centered oval hepatocyte is observed in this micrograph. Surrounding this hepatocytes are erythrocytes and a finely reticulated material within sinusoids. The cell has a large round nucleus with a marginating nucleolus. The cytosol of this hepatocyte is filled with SER, RER, mitochondria, and randomly scattered variable-sized lipid vacuoles. Thirteen (13) peroxisomes are counted.

Conclusions: SER is increased in 5/5 hepatocytes. One hepatocyte had scattered glycogen while another hepatocyte is hypertrophic. Peroxisome average is 20.2 per hepatocyte.

THIS PAGE REVISED.
COVANCE STUDY NO.: 6329-183

SIGNATURE: _____ DATE: 11/27/01

TRANSMISSION ELECTRON MICROGRAPH INTERPRETATION

Study No.: 6329-183 EM 01.37

Species/Strain: Cr:CD® (SD) IGS BR

Animal No.: C92762

Tissue: Liver-Periportal

Treatment Group: 5 (High-20.0ppm T-6295)

Block No(s).: C92762-2A

Sex: Male

Photo/Negative No(s).: L6127-L6131 &L6201

Significant Lesions (check one): X Yes_____ No

Interpreting Pathologist (signature and date): [signature] March 20, 2001

Features: **L6127.** Liver. Hepatocyte. 7,530X. A vertically centered oval hepatocyte is observed in this micrograph. Along the left side of the hepatocyte, there is a dilated sinusoid containing two erythrocytes. To the right hand edge of the micrograph, there is a small portion of a dark staining hepatocyte. The central hepatocyte does not have a nucleus (sectioning artifact). The cytoplasm is filled with mitochondria, patches of SER, and some RER. A few lysosomes are also observed. Due to the dark staining of the micrograph, peroxisomes are not counted.

L6128. Liver. Hepatocyte. 7,530X. A pyramidal-shaped hepatocyte with a large centrally located round nucleus is located in the middle of the micrograph. The cytosol of this hepatocyte is filled with patches of SER, RER, and numerous mitochondria. Randomly scattered lipid vacuoles and a small amount of glycogen are also observed in the cytoplasm. Ten (10) peroxisomes are counted. Alongside on the left is a sinusoid containing erythrocytes. In addition to the red blood cells, there is a large plasma cell located in the upper left hand corner.

L6129. Liver. Hepatocyte. 12,100X. High magnification of the cytoplasm of a hepatocyte. Within the cytoplasm, there are a number of similar sized mitochondria, RER, and some SER. A few randomly scattered glycogen particles and two lipid droplets are also observed. Peroxisomes not counted.

L6130. Liver. Hepatocyte. 7,530X. A round hepatocyte is found in the center of the micrograph. The nucleus is also round and centrally located within the cell. Randomly scattered are numerous mitochondria, RER, and a cluster of lipid vacuoles located in the lower portion of the cytoplasm. Surrounding lipid vacuoles is a dense accumulation of glycogen. Thirty-one (31) peroxisomes are counted. Surrounding this hepatocyte are other hepatocytes within similar characteristics. A sinusoid containing erythrocytes is noted on the lower left hand portion of the micrograph.

L6131. Liver. Hepatocyte. 7,920X. A slightly larger polygonal hepatocyte is found in the center of the micrograph. In the upper right hand corner there is a clump of erythrocytes in a sinusoid. The central hepatocyte contains an eccentrically located somewhat small, rounded nucleus with a single nucleolus. The cytoplasm contains numerous mitochondria, some RER, and a slight increase in SER. A few lipid vacuoles are also observed. Twenty-one (21) peroxisomes are counted. Below this hepatocyte, there are three other hepatocytes with similar characteristics.

L6201. Liver. Hepatocyte. 7,920X. A large cuboidal-shaped hepatocyte is found in the center of the micrograph. The nucleus is eccentrically located and contains a single marginating nucleolus. The cytoplasm is distended with a large increase in SER and less RER. A moderate number of mitochondria and a few lipid droplets are also observed in the cytoplasm. Ten (10) peroxisomes are counted. In the upper right hand corner, there is a dilated sinusoid containing one erythrocyte in a finely granular matrix.

Conclusions: Mild hepatocellular hypertrophy (2/5 hepatocytes), increased SER (5/6). Two hepatocytes had some accumulation of glycogen. Peroxisome average is 18 per hepatocyte.

THIS PAGE REVISED.
COVANCE STUDY NO.: 6329-183

SIGNATURE: [signature] DATE: 11/27/01

TRANSMISSION ELECTRON MICROGRAPH INTERPRETATION

Study No.: 6329-183 EM 01.37

Species/Strain: Cr:CD® (SD) IGS BR

Animal No.: C92775

Tissue: Liver – Not specified

Treatment Group: 5 (High-20.0ppm T-6295)

Block No(s).: C92775-2A

Sex: Male

Photo/Negative No(s).:L6132-L6137

Significant Lesions (check one): X Yes _____ No

Interpreting Pathologist (signature and date): [signature] March 20, 2001

Features: **L6132.** Liver. Hepatocyte. 10,200X. Located to the left hand side of the micrograph is a polygonal-shaped hepatocyte. This hepatocyte contains a centrally located nucleus with a large round nucleolus. There are a number of small round mitochondria in the cytoplasm, separated by SER and RER. Fifteen (15) peroxisomes are counted. Below this hepatocyte to the lower left of the micrograph is a sinusoid containing a number of erythrocytes and four large lymphocytes.
L6133. Liver. Hepatocyte. 10,200X. Approximately 50% of a hepatocyte is observed along the top of the micrograph. This hepatocyte has a large round nucleus with finely stippled chromatin. The cytosol contains RER, mitochondria, and SER. Peroxisomes not counted. Below this hepatocyte is a sinusoid with a finely granular matrix containing a large lymphocyte and an erythrocyte. Chatter lines along the bottom half of the micrograph are artifact.
L6134. *Liver. Hepatocyte. 7,920X. A rounded hepatocyte is found in the center of the micrograph.* This cell has a large distinctly rounded nucleus with one round nucleolus. The cytoplasm of this cell contains abundant SER, RER, and numerous mitochondria. Fifteen (15) peroxisomes are counted. Portions of other hepatocytes surround the central hepatocyte. These cells have similar cytoplasmic characteristics. Along the bottom of the micrograph, a sinusoid contains two erythrocytes and a lymphocyte.
L6135. Liver. Hepatocyte. 7,920X. The micrograph is somewhat distorted due to chatter lines. The centrally located hepatocyte is pyramidal in shape with a large rounded nucleus. The cytosol contains a number of mitochondria that are separated by RER and a few small patches of SER. Six (6) peroxisomes are counted. Another hepatocyte along the lower left hand margin of the micrograph contains a few small lysosomes along with SER, RER and mitochondria. The nucleus of this cell is somewhat rounded. In the upper right hand corner, a few clumped erythrocytes are observed along with a small tear in the tissue (artifact).
L6136. Liver. Hepatocyte. 7,920X. Portions of two hepatocytes are located in the top half of the micrograph. Approximately 90% of the hepatocyte on the left is visible. The nucleus of this cell is large and distinctly round. A somewhat eccentrically located nucleolus is found in the nucleus. Abundant mitochondria, RER and some SER are present in the cytoplasm. Fifteen (15) peroxisomes are counted. On the bottom of the micrograph, there is a large sinusoid containing a circulating a lymphocyte and a few erythrocytes.
L6137. Liver. Hepatocyte. 10,200X. A large hepatocyte is observed in this micrograph. A small portion of a sinusoid with clumped erythrocytes is observed in the upper portion of the micrograph. The nucleus of the endothelial lining of the sinusoid is noted just above the upper left of the central hepatocyte. The hepatocyte contains a large somewhat rounded nucleus with a marginating nucleolus and finely granular chromatin. The cytosol contains numerous mitochondria, RER, and large patches of SER. A few randomly scattered dense lysosomes are also observed. Fourteen (14) peroxisomes are counted.

Conclusions: Circulating lymphocytes are most consistent with a diagnosis of large granular cell leukemia. SER is noticeably increased in 6/6 hepatocytes. Mild hepatocellular hypertrophy (1/6 hepatocytes). Peroxisome average is 13.0 per hepatocyte

THIS PAGE REVISED.
COVANCE STUDY NO.: 6329-183

SIGNATURE: [signature] DATE: 10/27/04

TRANSMISSION ELECTRON MICROGRAPH INTERPRETATION

Study No.: 6329-183 EM 01.37

Species/Strain: Cr:CD® (SD) IGS BR

Animal No.: C92786

Tissue: Liver – Periportal

Treatment Group: 5 (High-20.0ppm T-6295)

Block No(s).: C92786-2A

Sex: Male

Photo/Negative No(s).:L6106-L6610

Significant Lesions (check one): _____ Yes __X__ No

Interpreting Pathologist (signature and date): C A Cummings March 20, 2001

Features:**L6106.** Liver. Hepatocyte. 7,920X. Cells in this micrograph are undergoing autolysis based on a loosely expanded, pale cytoplasm that contains fragmented and dilated endoplasmic reticulum, electron dense mitochondria with no delineated cristae and an indistinct cell membrane. The nucleus is large, round, and still intact. The morphology of the adjoining tissue and cells is similar. In the upper left hand corner, there is a portion of a nucleus but no cell margins. Fourteen (14) peroxisomes are counted.

L6107. Liver. Hepatocyte. 7,920X. In the center of the micrograph, there is an oval shaped hepatocyte with a large distinctly rounded nucleus. Within the cytoplasm of this cell, there are a number of small rounded mitochondria, RER, and two small lipid droplets (on the right hand side of the cell). Nine (9) peroxisomes are counted. In the upper left hand corner of the micrograph adjacent to this central cell, there is a portion of another hepatocyte with similar characteristics.

L6108. Liver. Hepatocyte. 7,920X. Similar to the hepatocyte in **L6106**, the centrally located hepatocyte is undergoing autolysis. The cytoplasm is loosely expanded. RER and mitochondria are observed but loosely arranged. The cell membrane is indistinct. Eleven (11) peroxisomes are observed.

L6109. Liver. Hepatocyte. 7,920X. Similar to the other hepatocytes, the hepatocyte in this micrograph is mildly autolytic. The cytoplasmic organelles are loosely arranged. There are a number of mitochondria, small patches of RER and some SER observed. The nucleus is eccentrically located, round, and small. Twenty-one (21) peroxisomes are counted. Above this hepatocyte located in the upper left hand corner of the micrograph is a large hepatocyte with similar characteristics.

L6110. Liver. Hepatocyte. 18,500X. High magnification of the cytoplasm of a hepatocyte. The nucleus of the cell is present in the upper left hand corner of the micrograph. RER is somewhat dilated while the mitochondria are normal. The cell membrane along the bottom of the micrograph is difficult to discern.

Conclusions: Hepatocytes (5/5) had early autolytic changes most likely due to fixation artifact; therefore, interpretation was limited. One hepatocyte had two small lipid droplets while another had some SER. Peroxisome average is 13.8 per hepatocyte.

THIS PAGE REVISED.
COVANCE STUDY NO.: 6329-183

SIGNATURE: C A Cummings DATE: 11/27/01

TRANSMISSION ELECTRON MICROGRAPH INTERPRETATION

Study No.: 6329-183 EM 01.37

Species/Strain: Cr:CD® (SD) IGS BR

Animal No.: C92791

Tissue: Liver – Periportal

Treatment Group: 5 (High-20.0ppm T-6295)

Block No(s).: C92791-2A

Sex: Male

Photo/Negative No(s).:L6138-L6142

Significant Lesions (check one): X Yes _____ No

Interpreting Pathologist (signature and date): [signature] March 20, 2001

Features:**L6138.** Liver. Hepatocyte. 12,100X. Approximately 90% of an oval hepatocyte is observed in this micrograph. The hepatocyte has an eccentric nucleus located at the top of the cell. Mitochondria appear slightly larger. There is an abundance of SER, lesser RER, and randomly scattered glycogen particles in the cytoplasm. A few lipid vacuoles are also observed. Twelve (12) peroxisomes are counted. This hepatocyte is located adjacent to a large sinusoid, located in the upper left hand region of the micrograph.
L6139. Liver. Hepatocyte. 7,920X. A round hepatocyte is found in the center of the micrograph. Surrounding this hepatocyte are portions of other hepatocytes. The central hepatocyte has an eccentrically located round nucleus. In the cytoplasm, numerous mitochondria are found separated by SER, RER, and a few lipid vacuoles. Randomly scattered throughout the cytoplasm are glycogen particles. Twenty (20) peroxisomes are counted.
L6140. Liver. Hepatocyte. 7,920X. In the center of the micrograph, there is a cuboidal-shaped hepatocyte. This hepatocyte has a large round nucleus with a central nucleolus. Two somewhat large lipid vacuoles and two small lipid vacuoles are observed in the cytoplasm along with numerous mitochondria, SER, and RER. Glycogen and a few lysosomes are also observed. Twenty-nine (29) peroxisomes are counted. A bile canaliculus is present above the central hepatocyte.
L6141. Liver. Hepatocyte. 7,920X. A somewhat round hepatocyte is found in the center of the micrograph surrounded on the left and bottom by other similar hepatocytes. The central hepatocyte has a rounded nucleus that is displaced somewhat to the right of the cell. Organelles in the cytoplasm consist of numerous mitochondria, SER, RER, and glycogen. A few lipid vacuoles are observed in the lower left hand portion of the cell. Seventeen (17) peroxisomes are counted.
L6142. Liver. Hepatocyte. 12,100X. High magnification of the cytoplasm of a hepatocyte. A large nucleus is located in the upper left hand corner while another smaller portion of the nucleus is present just below (sectioning artifact). Within the cytoplasm, there is an increase in SER, glycogen along with the numerous mitochondria and randomly scattered RER. Peroxisomes not counted.

Conclusions: A moderate to marked increase in SER. Glycogen is observed in 4/5 hepatocytes. Peroxisome average is 19.5 per hepatocyte.

THIS PAGE REVISED.
COVANCE STUDY NO.: 6329-183

SIGNATURE: [signature] DATE: 11/27/01

TRANSMISSION ELECTRON MICROGRAPH INTERPRETATION

Study No.: 6329-183 EM 01.37

Species/Strain: Cr:CD® (SD) IGS BR

Animal No.: C92868

Tissue: Liver - Periportal

Treatment Group: 1 (Control)

Block No(s).: C92868 2A

Sex: Female

Photo/Negative No(s).:L6143-L6147

Significant Lesions (check one): _____ Yes X No

Interpreting Pathologist (signature and date): March 16, 2001

Features:**L6143.** Liver. Hepatocyte. 7,920X. Placed somewhat in the center of the micrograph is a horizontally elongated hepatocyte. There is an extreme invagination of the nucleus envelope that contains cytoplasmic organelles, mostly mitochondria and lesser RER. The remaining cytosol contains a rather small number of mitochondria, a few lipid droplets, and slight increase the amount of SER. Fifteen (15) peroxisomes are counted.
L6144. Liver. Hepatocyte. 7,920X. Adjacent to the central hepatocyte are other hepatocytes, some of which contain a few large lipid vacuoles. There are two distinct hepatocytes in the center of the micrograph. The oval-shaped hepatocyte has a centrally located normal round nucleus. Cytoplasmic organelles appear normal. Within the cytoplasm, there are a number of mitochondria, abundant RER, and a few small lysosomes. Nineteen (19) peroxisomes are counted.
L6145. Liver. Hepatocyte. 7,920X. A somewhat rounded to oval hepatocyte, centrally located on the micrograph, is described. The hepatocyte nucleus is centrally located, irregularly rounded, and appears normal. There are a number of mitochondria that are essentially the same in size and shape. Additionally within the cytoplasm, there is abundant RER, multifocal areas of SER and a few randomly scattered lipid droplets. Fifteen (15) peroxisomes are counted.
L6146. Liver. Hepatocyte. 7,920X. Along the lower right-hand corner is a small grid bar segment. A portion of an erythrocyte is found within a sinusoid along the right aspect of the micrograph as well. The centrally located hepatocyte is characterized by a somewhat smaller round nucleus with an eccentrically located small nucleolus, and a cytoplasm filled with numerous mitochondria and patches of RER. The edges of the cell membrane are irregular and somewhat indistinct (fixation artifact). Seventeen (17) peroxisomes are counted.
L6147. Liver. Hepatocyte. 7,920X. There is a hepatocyte vertically centered on the micrograph, a portion of this hepatocyte is cutoff at the bottom. The hepatocyte lacks a nucleus (sectioning artifact). There are a number of mitochondria in the cytosol along with abundant SER and lesser RER. There is a slight increase in the number of lysosomes. Seventeen (17) peroxisomes are counted.

Conclusions: Normal hepatocytes. One hepatocyte had abundant SER while two others have mild SER accumulation. A small amount of lipid is scattered in another hepatocyte. Peroxisomes average 16.6 per hepatocyte.

THIS PAGE REVISED.
COVANCE STUDY NO.: 6329-183

SIGNATURE: _____ DATE: 4/27/01

TRANSMISSION ELECTRON MICROGRAPH INTERPRETATION

Study No.: 6329-183 EM 01.37

Species/Strain: Cr:CD® (SD) IGS BR

Animal No.: C92871

Tissue: Liver - Centrilobular

Treatment Group: 1 (Control)

Block No(s).: C92871 2A

Sex: Female

Photo/Negative No(s).: L6188-L6192
L6148, L6149

Significant Lesions (check one): _____ Yes X No

Interpreting Pathologist (signature and date): March 15, 2001

Features: **L6188.** Liver. Hepatocyte. 7,920X. A portion of a sinusoid containing a degenerate cell is found above the centrally located hepatocyte. The hepatocyte is oval shaped. The nucleus of the hepatocyte is round with two similar sized nucleoli and finely granular chromatin. Within the cytosol are numerous small, oval to elongated mitochondria and abundant RER. Nineteen (19) peroxisomes are counted.
L6189. Liver. Hepatocyte. 7,920X. One whole hepatocyte and a portion of another hepatocyte having no nucleus (sectioning artifact) are prominent in the micrograph. The whole hepatocyte is somewhat pyramidal in shape. The nucleus of this hepatocyte is somewhat rounded and contains an eccentrically located round nucleolus. The cytosol is filled with an abundance of RER interlacing around a moderate number of mitochondria. There are a few lipid vacuoles and a few randomly scattered lysosomes. Eleven (11) peroxisomes are counted.
L6190. Liver. Hepatocyte. 7,920X. A portion of a hepatocyte is found in the center of the micrograph. This portion has no nucleus (sectioning artifact) but does contain numerous mitochondria, RER, and a number of lipid droplets. Two of the lipid droplets contain myelin figures. Along the bottom of the micrograph, there is a sinusoid containing clumped erythrocytes. Above the hepatocyte, there is another sinusoid lined by a prominent endothelial cell while in the lumen there are clumped erythrocytes. Peroxisomes are not counted since only approximately 30% of the hepatocyte is available for interpretation.
L6191. Liver. Hepatocyte. 7,530X. A dilated sinusoid is observed along the right hand border of the micrograph. A centrally located, polygonal hepatocyte is observed within the center and adjacent to the bile canaliculus. The nucleus of this hepatocyte is rounded with a somewhat centrally located nucleolus. The cytosol contains abundant RER, a number of small round to often-elongated mitochondria, and a few lysosomes. Nineteen (19) peroxisomes are counted.
L6192. Liver. Hepatocyte. 7,530X. Found along the right hand bottom of the micrograph is a sinusoid containing an erythrocyte, a perisinusoidal fat storing cell (Ito cell), and serum plasma. An oval shaped hepatocyte is observed in the center of the micrograph. The nucleus of this cell is somewhat small compared to the cytoplasm of the cell. The cytosol contains abundant RER, mitochondria, SER, and a few small lysosomes. Sixteen (16) peroxisomes are counted.
L6148. Liver. Hepatocyte. 12,100X. High magnification of a single hepatocyte. The nucleus is round with finely granular chromatin. Adjacent to the nucleus is a large oval lysosome containing reticulo-particulate material. Also within the cytosol are a number of mitochondria and abundant RER. Peroxisomes are not counted since the entire hepatocyte is not available for interpretation.
L6149. Liver. Hepatocyte. 4,990X. An oblong hepatocyte containing abundant mitochondria and RER is located in the center of the micrograph. Thirteen (13) peroxisomes are counted. Along one side of the hepatocyte, there is a sinusoid containing erythrocytes and a clump of cellular debris. In the upper right hand corner is a wide black stripe (folded tissue).

Conclusions: Normal hepatocytes. The average peroxisomes are 15.6 per hepatocyte.

THIS PAGE REVISED.
COVANCE STUDY NO.: 6329-183

SIGNATURE: _____ DATE: 11/27/01

TRANSMISSION ELECTRON MICROGRAPH INTERPRETATION

Study No.: 6329-183 EM 01.37

Species/Strain: Cr:CD® (SD) IGS BR

Animal No.: C92874

Tissue: Liver – Centrilobular

Treatment Group: 1 (Control)

Block No(s).: C92874 2A

Sex: Female

Photo/Negative No(s).:L6150-L6154

Significant Lesions (check one): _____ Yes __X__ No

Interpreting Pathologist (signature and date): March 15, 2001

Features: **L6150.** Liver. Hepatocyte. 7,530X. A centrally located hepatocyte is bordered on all four sides by sinusoids containing erythrocytes. This hepatocyte is irregular in shape, somewhat rounded with a round central nucleus. The cytosol contains numerous mitochondria, some RER, and a few lipid droplets. Ten (10) peroxisomes are counted.
L6151. Liver. Hepatocyte. 7,530X. A rounded hepatocyte is found in the center of the micrograph. This hepatocyte has a distinctly round nucleus. The cytosol contains numerous mitochondria and abundant RER. A few lysosomes with reticulo-particulate material are also noted. Sixteen (16) peroxisomes are counted. A dilated sinusoid with numerous erythrocytes is found on the right hand size at the top of the micrograph. Along the left hand margin, there is a hole (artifact).
L6152. Liver. Hepatocyte. 7,530X. Two hepatocytes are found on this micrograph. One hepatocyte has a single nucleus. The other hepatocyte is binucleated. Both nuclei are rounded with one slightly bigger than the other. The large nucleus has a single nucleolus. There are numerous small mitochondria and a moderate amount of RER. A sinusoid is noted with erythrocytes along the lower left corner and just above the binucleated hepatocyte on the upper right side of the micrograph. Twenty-three (23) peroxisomes are counted.
L6153. Liver. Hepatocyte. 4,990X. Two hepatocytes are observed in this micrograph. The one at the top edge of the micrograph is cut almost in half. The other hepatocyte is located somewhat in the center of the micrograph slightly to the left hand margin. This hepatocyte has an eccentrically located round nucleus that contains finely stippled chromatin. The cytosol is filled with small mitochondria, RER, and a few small lysosomes. Seventeen (17) peroxisomes are counted.
L6154. Liver. Hepatocyte. 7,530X. In this micrograph, there is a single centrally located hepatocyte surrounded by portions of other hepatocytes and a sinusoid containing two small erythrocytes (along the right hand margin). The central hepatocyte has a rounded nucleus with two round nucleoli. The cytosol contains abundant RER, less SER, a mild amount of randomly scattered glycogen, and numerous small rounded mitochondria. One large lipid droplet with a myelin figure is also observed. Sixteen (16) peroxisomes are counted.

Conclusions: Normal hepatocytes. One hepatocyte had a small amount of SER while another had a few lipid droplets. Peroxisomes average 16.4 per hepatocyte.

THIS PAGE REVISED.
COVANCE STUDY NO.: 6329-183

SIGNATURE: _____ DATE: 11/27/01

TRANSMISSION ELECTRON MICROGRAPH INTERPRETATION

Study No.: 6329-183 EM 01.37

Species/Strain: Cr:CD® (SD) IGS BR

Animal No.:C92896

Tissue: Liver - Centrilobular

Treatment Group:1 (Control)

Block No(s).: C92896 2A

Sex: Female

Photo/Negative No(s).:L6155-L6159

Significant Lesions (check one): _____ Yes ___X___ No

Interpreting Pathologist (signature and date): March 16, 2001

Features:**L6155.** Liver. Hepatocyte. 7,530X. Central to the micrograph is a hepatocyte that is somewhat pyramidal in shape. The nucleus is centrally located and round. There are two small nucleoli and finely granular chromatin within the nucleus. The cytosol contains numerous similar sized mitochondria, abundant RER, scant SER, and a few lipid droplets and lysosomes. The plasma membrane in areas is somewhat difficult to discern from adjacent hepatocytes. Twenty-one (21) peroxisomes are counted.
L6156. Liver. Hepatocyte. 10,200X. A higher magnification of a hepatocyte characterized by numerous mitochondria, RER, and SER. A few lipid droplets are also found. Peroxisomes not counted.
L6157. Liver. Hepatocyte. 7,920X. The centrally located oval-shaped hepatocyte contains a slightly eccentrically located nucleus containing one nucleolus. The cytosol contains numerous mitochondria, RER, scant SER, and variable sized lipid droplets. Twenty-two (22) peroxisomes are counted.
L6158. Liver. Hepatocyte. 7,920X. Along the right hand margin of the micrograph there is a bile canaliculus. An erythrocyte in the upper right hand corner is within the duct. There is a rounded hepatocyte in the center of the micrograph that contains a number of mitochondria interwoven with patches of RER and SER. The nucleus is slightly eccentrically located, small, and indented along one edge. A few lipid droplets are present in the right hand portion of the cell. A particle of debris is present in cytosol in the lower half of the cell. Twenty (20) peroxisomes are counted.
L6159. Liver. Hepatocyte. 7,920X. Centrally located on the micrograph is an oval binucleate nucleus. In one of the nuclei, there is a small eccentrically located nucleolus. Within the cytosol, there are numerous mitochondria and RER. Randomly scattered are small patches of SER. This hepatocyte is bordering a bile canaliculus on the lower right hand corner of the micrograph. Twenty-eight (28) peroxisomes are counted.

Conclusions: Normal hepatocytes. SER is minimally increased. The peroxisome average is 22.8 per hepatocyte.

THIS PAGE REVISED.
COVANCE STUDY NO.: 6329-183

SIGNATURE: _____ DATE: 11/27/01

TRANSMISSION ELECTRON MICROGRAPH INTERPRETATION

Study No.: 6329-183 EM 01.37

Species/Strain: Cr:CD® (SD) IGS BR

Animal No.: C92897

Tissue: Liver - Periportal

Treatment Group: 1 (Control)

Block No(s).: C92897-2A

Sex: Female

Photo/Negative No(s).: L6160-L6164

Significant Lesions (check one): _____ Yes X No

Interpreting Pathologist (signature and date): [signature] March 19, 2001

Features: **L6160.** Liver. Hepatocyte. 7,920X. Two hepatocytes are observed in this micrograph. In the upper left hand corner, there is one half of one hepatocyte. The other hepatocyte is centrally located on the micrograph. This hepatocyte is polygonal in shape with an eccentrically located nucleus. The chromatin in the nucleus is finely granular. There are numerous mitochondria and RER in the cytosol. A few randomly scattered lysosomes are also observed. Fourteen (14) peroxisomes are counted.

L6161. Liver. Hepatocyte. 7,530X. A single whole hepatocyte is located in the center of the micrograph. Surrounding this hepatocyte are portions of other hepatocytes. There is a sinusoid along the left hand margin that contains a leukocyte. The central hepatocyte is somewhat oval with tapered ends. The nucleus is irregularly rounded with clumped chromatin and one small nucleolus. The cytosol contains numerous mitochondria and RER. A few randomly scattered lysosomes are also observed. Sixteen (16) peroxisomes are counted.

L6162. Liver. Hepatocyte. 7,530X. A binucleated hepatocyte located somewhat on the left side of the micrograph is described. The nuclei are round and similar in size. One nucleus has a small nucleolus. The cytosol is packed with mitochondria and RER. Along the upper left hand margin of the micrograph, there is a clearing of the hepatocytes (artifact). Seventeen (17) peroxisomes are counted.

L6163. Liver. Hepatocyte. 7,530X. The micrograph is slightly dark. A single whole hepatocyte is observed in the center of the micrograph. Cell margins are difficult to discern completely. The hepatocyte has a large eccentrically located nucleus with two dense somewhat rounded nucleoli. The cytosol contains numerous mitochondria and RER. A small amount of SER, a few small lysosomes, and a few variable-sized lipid droplets. Nineteen (19) peroxisomes are counted.

L6164. Liver. Hepatocyte. 10,200X. Approximately 90% of a hepatocyte is located along the bottom central region of the micrograph. The nucleus of this cell is small and rounded. Chromatin is coarse. The cytosol contains numerous similar-sized mitochondria and RER. Fifteen (15) peroxisomes are counted. Two other hepatocytes are observed in the upper region of the micrograph.

Conclusions: Normal Hepatocytes. One hepatocyte had a small amount of SER and a few variable sized lipid droplets. Peroxisomes average 16.2 per hepatocyte.

THIS PAGE REVISED.
COVANCE STUDY NO.: 6329-183

SIGNATURE: [signature] DATE: 11/27/01

TRANSMISSION ELECTRON MICROGRAPH INTERPRETATION

Study No.: 6329-183 EM 01.37

Species/Strain: Cr:CD® (SD) IGS BR

Animal No.: C93113

Tissue: Liver - Centrilobular

Treatment Group: 5 (High-20.0ppm T-6295)

Block No(s).: C93113-2A

Sex: Female

Photo/Negative No(s).: L6111-L6115 &L6202

Significant Lesions (check one): X Yes ____ No

Interpreting Pathologist (signature and date): March 19, 2001

Features: **L6111.** Liver. Hepatocyte. 7,920X. In the center of the micrograph, there is a cuboidal shaped slightly larger hepatocyte. The hepatocyte contains a large round nucleus with finely granular chromatin. Within the cytosol, there are a number of small round mitochondria interwoven by RER. Surrounding the nucleus and along the outer periphery of the cell is a moderate amount of SER. Thirty-nine (39) peroxisomes are counted.
L6112. Liver. Hepatocyte. 10,200X. A cuboidal shaped hepatocyte is observed in the center of the micrograph. The nucleus is somewhat rounded with irregular indentation of the nuclear membrane. Chromatin is clumped along the periphery of the nucleus. There is a centrally located single nucleolus. Numerous mitochondria, RER, and lysosomes are distributed within a loosely expanded cytoplasm. Twenty-four (24) peroxisomes are counted.
L6113. Liver. Hepatocyte. 7,920X. The quality of the micrograph is poor. There is a significant amount of lysosomes present; however, no further interpretation is done.
L6114. Liver. Hepatocyte. 7,920X. Two hepatocytes are observed in this micrograph, one is located along the left hand margin while the other is adjacent to the right hand margin of the micrograph. Approximately 90% of the hepatocyte on the right is present. This cell has a centrally located, distinctly rounded nucleus with one round eccentric nucleolus. Numerous mitochondria, RER, some SER, and a number of lipid vacuoles are present in the cytosol. Twenty-two (22) peroxisomes are counted.
L6115. Liver. Hepatocyte. 12,100X. A high magnification of the cytoplasm of a hepatocyte, the nucleus of the cell is located in upper right hand corner of the micrograph. Mitochondria, RER, and a few lysosomes are found in the cytosol. Peroxisomes not counted. A bile canaliculus is found along the left lower edge of the cell.
L6202. Liver. Hepatocyte. 7,920X. An oval, somewhat larger hepatocyte is observed in the center of the micrograph. The nucleus of this cell is large, round, and contains one nucleolus. The cytosol contains numerous similar-sized mitochondria, RER, SER, and a few randomly scattered small lysosomes. Along the bottom edge of the cells, there is a cluster of lipid vacuoles. Twenty-five (25) peroxisomes are counted. A portion of another hepatocyte adjacent on the lower right also contains a number of lipid vacuoles.

Conclusions: Mild hepatocellular hypertrophy (2/6 hepatocytes). SER is increased in 3/6 hepatocytes while lipid is prominent in 2/6 hepatocytes. Peroxisome average is 27.5 per hepatocyte.

THIS PAGE REVISED.
COVANCE STUDY NO.: 6329-183

SIGNATURE: _____ DATE: 11/27/01

TRANSMISSION ELECTRON MICROGRAPH INTERPRETATION

Study No.: 6329-183 EM 01.37

Species/Strain: Cr:CD® (SD) IGS BR

Animal No.: C93124

Tissue: Liver - Centrilobular

Treatment Group: 5 (High-20.0ppm T-6295)

Block No(s).: C93124-2A

Sex: Female

Photo/Negative No(s).: L6165-L6170

Significant Lesions (check one): X Yes _____ No

Interpreting Pathologist (signature and date): [signature] March 19, 2001

Features: **L6165.** Liver. Hepatocyte. 7,530X. A cuboidal-shaped bi-nucleated hepatocyte is found in the center of the micrograph. The nuclei are similar in shape and size. Both nuclei have a centrally located nucleolus. In the cytosol, there are a number of slightly larger round mitochondria. RER and lysosomes are also observed. Twelve (12) peroxisomes are counted.

L6166. Liver. Hepatocyte. 7,530X. In the center of the micrograph is an oval to slightly rounded bi-nucleated hepatocyte. The nuclei of this cell are rounded and similar in size. One nucleus contains two nucleoli while the other has only one. The cytosol contains a number of slightly larger mitochondria, RER, and a few clustered lysosomes. Twelve (12) peroxisomes are counted. A portion of four other hepatocytes surrounds this hepatocyte. A large erythrocyte is found adjacent to the hepatocyte on the left hand side of the micrograph.

L6167. Liver. Hepatocyte. 7,920X. This micrograph contains portions of two adjacent hepatocytes. Approximately 50% of the hepatocyte on the right is present. The nucleus of this cell is distinctly rounded, larger than normal, with a marginating nucleolus. The cytosol contains numerous mitochondria that appear slightly enlarged. RER and clustered lysosomes are also observed. Peroxisomes not counted.

L6168. Liver. Hepatocyte. 7,920X. An oval hepatocyte is located horizontally in the center of the micrograph. To the left of this cell is a portion of another hepatocyte. To the right of the central hepatocyte is a sinusoid containing lipid droplets and an erythrocyte. The central hepatocyte contains a large oval nucleus with two slightly eccentric nucleoli. Within the cytosol, there are a number of large round mitochondria, RER, and a large cluster of lysosomes along the left hand edge of the cell. In addition, individual lysosomes are found randomly scattered within the cytosol. Peroxisomes not counted. Cell borders are difficult to discern in some areas. An electron dense thin circular artifact is found on the left edge of the micrograph. Additionally, there are a scattered tissue fissures over the entire micrograph (artifact).

L6169. Liver. Hepatocyte. 7,920X. An oval shaped hepatocyte is found slightly to the right of the center of the micrograph. A large slightly rounded nucleus is located along the bottom portion of the cell. Numerous small round tightly packed mitochondria and a large cluster of lysosomes is found in the cytosol. The lysosomes are located adjacent to the nucleus. In addition, a small amount of randomly scattered RER is also located in the cytoplasm. Peroxisomes are increased-sixty (60) are counted.

L6170. Liver. Hepatocyte. 7,920X. A single cuboidal hepatocyte is found in the center of the micrograph. The nucleus is rounded with one marginating nucleolus. The cytosol is packed with small round mitochondria, lysosomes, and a small accumulation of RER. The left edge of the cell contains a few chatter lines (tissue artifact). Twenty-three (23) peroxisomes are counted.

Conclusions: *Mitochondria appear slightly larger in 4/6 hepatocytes. Peroxisome average is 26.8 per* hepatocyte.

THIS PAGE REVISED.
COVANCE STUDY NO.: 6329-183

SIGNATURE: [signature] DATE: 11/27/01

TRANSMISSION ELECTRON MICROGRAPH INTERPRETATION

Study No.: 6329-183 EM 01.37

Species/Strain: Cr:CD® (SD) IGS BR

Animal No.: C93125

Tissue: Liver -Centrilobular

Treatment Group: 5 (High-20.0ppm T-6295)

Block No(s).: C93125-2A

Sex: Female

Photo/Negative No(s).:L6171-L6176

Significant Lesions (check one): X Yes_____ No

Interpreting Pathologist (signature and date): [signature] March 20, 2001

Features: **L6171.** Liver. Hepatocyte. 7,920X. A large polygonal hepatocyte is located horizontally in the center of the micrograph. The nucleus of this cell is quite small while the cytoplasm is extremely distended with small round mitochondria, RER, and SER. There are a few randomly scattered small lysosomes as well. Thirty-eight (38) peroxisomes are counted.
The left hand edge of the hepatocyte contains a number of villous projections. A small leukocyte and an erythrocyte are found along the bottom right hand margin of the micrograph.
L6172. Liver. Hepatocyte. 7,920X. A number of hepatocytes are present in this micrograph. One cuboidal-shaped hepatocyte, vertically centered in the middle of the micrograph is characterized by a distinctly large round eccentrically located nucleus having a rather large dense nucleolus. The cytosol of this cell is packed with numerous small mitochondria, RER, and a few small patches of SER. Sixteen (16) peroxisomes are counted. The hepatocyte is bordered on three sides by sinusoids that contain erythrocytes. Adjacent to the edge where the nucleus is located, there is a perisinusoidal fat storing cell (Ito cell) within a dilated sinusoid.
L6173. Liver. Hepatocyte. 7,920X. A large polygonal hepatocyte is found located in the center of the micrograph. This hepatocyte has a small nucleus compared to the cytoplasm that is greatly distended with small mitochondria, RER, and SER. Eleven (11) peroxisomes are counted. The plasma membrane contains a number of villous projections. A number of hepatocytes surround the central hepatocyte. These hepatocytes also contain numerous mitochondria, RER, and SER. A portion of one hepatocyte, located along the upper right hand corner of the micrograph, has an abundance of glycogen.
L6174. Liver. Hepatocyte. 7,920X. A cuboidal shaped hepatocyte is found located vertically in the center of the micrograph. The left and right hand edges of the plasma membrane contain numerous villous projections. A nucleus is not observed (sectioning artifact). The cytoplasm contains large patches of SER, RER, and a moderate number of mitochondria. There are a few lipid vacuoles and a noticeable increase in the amount of glycogen. Ten (10) peroxisomes are counted. Between this hepatocyte and the hepatocyte at the bottom of the micrograph is a small bile canaliculus.
L6175. Liver. Hepatocyte. 7,530X. A large round hepatocyte with a small portion of the nucleus (sectioning artifact) is found in the center of the micrograph. This cell is characterized by large numbers of small mitochondria, abundant SER, and lesser RER. Fifteen (15) peroxisomes are counted. Surrounding this hepatocyte are portions of other hepatocytes.
L6176. Liver. Hepatocyte. 7,530X. A smaller hepatocyte is located in the center of the micrograph surrounded by dilated sinusoids. The hepatocyte has no nucleus (sectioning artifact). Within the cytosol, there are a number of small elongated to round mitochondria, SER, and RER. A large lipid vacuole and randomly scattered deposits of glycogen are also observed. Twenty (20) peroxisomes are counted. In the upper right hand corner of the micrograph is a sinusoid containing a small leukocyte. Below and to the right of the central hepatocyte, there is a small hole (sectioning artifact).

Conclusions: Hepatocellular hypertrophy (4/6 hepatocytes). SER is increased in 5/6 hepatocytes. One hepatocyte has scattered deposits of glycogen. Peroxisome average is 18.3 per hepatocyte.

THIS PAGE REVISED.
COVANCE STUDY NO.: 6329-183

SIGNATURE: [signature] DATE: 11/27/01

TRANSMISSION ELECTRON MICROGRAPH INTERPRETATION

Study No.: 6329-183 EM 01.37

Species/Strain: Cr:CD® (SD) IGS BR

Animal No.: C93135

Tissue: Liver - Periportal

Treatment Group: 5 (High-20.0ppm T-6295)

Block No(s).: C93135-2A

Sex: Female

Photo/Negative No(s).:L6177-L6182

Significant Lesions (check one): X Yes _____ No

Interpreting Pathologist (signature and date): March 20, 2001

Features: **L6177.** Liver. Hepatocyte. 7,530X. An oval hepatocyte is found located vertically in the center of the micrograph. Above this hepatocyte, there is a sinusoid lined by a prominent endothelial cell that contains one small leukocyte and two large lipid droplets. Lipid droplets are located over the entire micrograph both within the central hepatocyte and well as other hepatocytes above and below. The central hepatocyte has a oval shaped nucleus with finely granular chromatin. The cytosol of this cell contains numerous small round mitochondria and surrounding the nucleus is a thick zone of RER. Small patches of SER are also observed. Twenty-three (23) peroxisomes are counted. There is a large knife mark (artifact) running along the bottom edge of the cell.

L6178. Liver. Hepatocyte. 3,750X. A number of hepatocytes are observed in this micrograph. An oval hepatocyte is found vertically placed in the center of the micrograph. The cell membrane has a number of villous projections especially prominent on the lower half of the cell. The nucleus of this cell is small and contains three nucleoli; one is distinctly round and larger than the others. Within the cytosol, there is an increase in the amount of SER and lesser numbers of mitochondria and RER. Eighteen (18) small peroxisomes are counted. Lipid droplets are observed along the top edge of the cell as well as scattered along the bottom. Lipid droplets are found scattered throughout other hepatocytes surrounding this cell. At the top of the micrograph, located in the center, is an electron dense, elongated trapezoid artifact.

L6179. Liver. Hepatocyte. 4,990X. An oval hepatocyte is found in the center of the micrograph. Above this hepatocyte is a sinusoid containing cellular debris and a nucleus of a leukocyte. The central hepatocyte contains a distinctly round somewhat eccentric nucleus. A small round eccentric nucleolus is found in the nucleus. The cytosol contains a dense population of small mitochondria, RER, and a few patches of SER. Twenty-two (22) peroxisomes are counted. A tissue fold is observed at the bottom of the micrograph.

L6180. Liver. Hepatocyte. 4,990X. A polygonal hepatocyte with a small nucleus is found in the center of the micrograph. The hepatocyte is somewhat separated from adjacent hepatocytes by dilated sinusoids containing erythrocytes. The cytoplasm of this cell contains a number of thin elongated mitochondria, some RER, and a few patches of SER. A few small lipid droplets are also observed. Seventeen (17) peroxisomes are counted.

L6181. Liver. Hepatocyte. 4,990X. The hepatocyte in this micrograph is the same one as the hepatocyte in micrograph **L6180.**

L6182. Liver. Hepatocyte. 7,530X. A higher magnification of the cytoplasm of a hepatocyte. The nucleus of the hepatocyte is distinctly rounded and located in the upper left corner of the micrograph. The cytoplasm of this cell contains a number of small mitochondria, RER, and numerous patches of SER. A few small randomly scattered lipid droplets are found also within the cytosol. A few lysosomes and minute glycogen particles are similarly observed. Peroxisomes not counted.

Conclusions: Mild hepatocellular hypertrophy (3/5 hepatocytes). The amount of SER is increased in 5/5 hepatocytes while 4/5 hepatocytes have lipid accumulation. One hepatocyte also has scattered glycogen. Peroxisome average is 20.0 per hepatocyte.

THIS PAGE REVISED.
COVANCE STUDY NO.: 6329-183

SIGNATURE: _____ DATE: 11/27/01

TRANSMISSION ELECTRON MICROGRAPH INTERPRETATION

Study No.: 6329-183 EM 01.37

Species/Strain: Cr:CD® (SD) IGS BR

Animal No.: C93149

Tissue: Liver - Periportal

Treatment Group: 5 (High-20.0ppm T-6295)

Block No(s).: C93149-2A

Sex: Female

Photo/Negative No(s).: L6193-L6199

Significant Lesions (check one): X Yes _____ No

Interpreting Pathologist (signature and date): [signature] March 20, 2001

Features: **L6193.** Liver. Hepatocyte. 7,920X. A large somewhat rounded hepatocyte is found located in the center of the micrograph. The nucleus of the cell is centrally located, distinctly rounded with slight clumping of chromatin. The cytosol of this cell is filled with numerous mitochondria and RER. A few small lysosomes and lipid droplets are also observed. Twelve (12) peroxisomes are counted. A portion of another hepatocyte is observed along the bottom of the micrograph. Within the cytoplasm of that cell, there are a few small deposits of lipofuscin.
L6194. Liver. Hepatocyte. 7,920X. Two oval hepatocytes are found vertically aligned in this micrograph. The bottom hepatocyte contains a large, somewhat rounded nucleus with an eccentrically located nucleolus. Within the cytosol of this hepatocyte, there are numerous mitochondria, RER, and a few large lipid vacuoles. A few randomly scattered, small, patches of SER are also observed. Peroxisomes not counted due to darkness of the micrograph. The hepatocytes above and below this hepatocyte also contain a number of lipid vacuoles.
L6195. *Liver. Hepatocyte. 7,920X. Approximately 90% of a large (fills the entire micrograph) hepatocyte is* described. The nucleus is distinctly rounded and contains two large round nucleoli. The cytoplasm contains numerous small mitochondria, RER, and SER. In addition, there are numerous variable-sized lipid droplets also observed. Some of these droplets contain debris. Twenty-one (21) peroxisomes are observed.
L6196. Liver. Hepatocyte. 10,200X. A pyramidal-shaped hepatocyte, located in the center of the micrograph, is described. This cell has an eccentrically located, rounded nucleus. The chromatin in the nucleus is somewhat clumped along the periphery. There is a large lipid droplet in upper right hand corner of the cell. Numerous small elongated to rounded mitochondria, abundant RER and scattered SER are also observed in the cytoplasm. Ten (10) peroxisomes are counted. This hepatocyte is somewhat surrounded on three sides by sinusoids that are dilated and filled with cellular debris, erythrocytes, and one small leukocyte (along the upper left hand edge of the micrograph).
L6197. Liver. Hepatocyte. 10,200X. The centrally located, oval hepatocyte is somewhat distorted (tissue artifact). The nucleus is distinctly rounded, large, with one large and one small nucleolus. The left hand portion of the cytoplasm contains a number of large lipid vacuoles and SER while the bottom half or right hand portion of the cytoplasm contains clustered mitochondria and RER along with a few other lipid vacuoles. An even smaller number of lysosomes are found scattered randomly throughout the cell. Twenty-two (22) peroxisomes are counted. A large erythrocyte in a dilated sinusoid is noted along the upper right hand portion of the micrograph.
L6198. Liver. Blood vessel. 4,990X. There is extensive widening of the cytoplasm of the endothelial cells. The nuclei of the endothelial cells are enlarged with finely granular chromatin. Within the center of this vessel, there is a portion of a circulating leukocyte. Adjacent to this vessel is another large lumen (at the bottom left hand corner). The top of the micrograph is dark and not interpreted.
L6199. Liver. Hepatocyte. 10,200X. High magnification of the cytoplasm of a hepatocyte. Within the cytosol, there are a number of large lipid droplets, lipofuscin particles, SER, RER, and mitochondria. Peroxisomes not counted.

Conclusions: Hepatocellular hypertrophy (4/6 hepatocytes). SER is increased in 6/6 hepatocytes. Lipid is present in 4/6 while one hepatocyte has lipofuscin. Peroxisome average is 16.3 per hepatocyte.

THIS PAGE REVISED.
COVANCE STUDY NO.: 6329-183

SIGNATURE: [signature] DATE: 11/27/01

SECTION III

TRANSMISSION ELECTRON MICROGRAPHS

FIGURE LEGENDS

Magnification. Print magnification is indicated on the back of each photograph. The Bar in the right-hand corner of the micrograph equals 1micron (0.001mm).

Figure 1. Liver. Hepatocyte. This hepatocyte illustrates a few normal ultrastructural features. Within the cytosol, there are a number of mitochondria separated by abundant RER. SER is scant to not seen in this hepatocyte. Animal no. C92871, Control Female.

Figure 2. Liver. Hepatocyte. A binucleated hepatocyte located somewhat on the left side of the micrograph also illustrates normal organelles. The cytosol is packed with small round mitochondria, and a few small aggregates of RER. Animal no. C92897, Control Female.

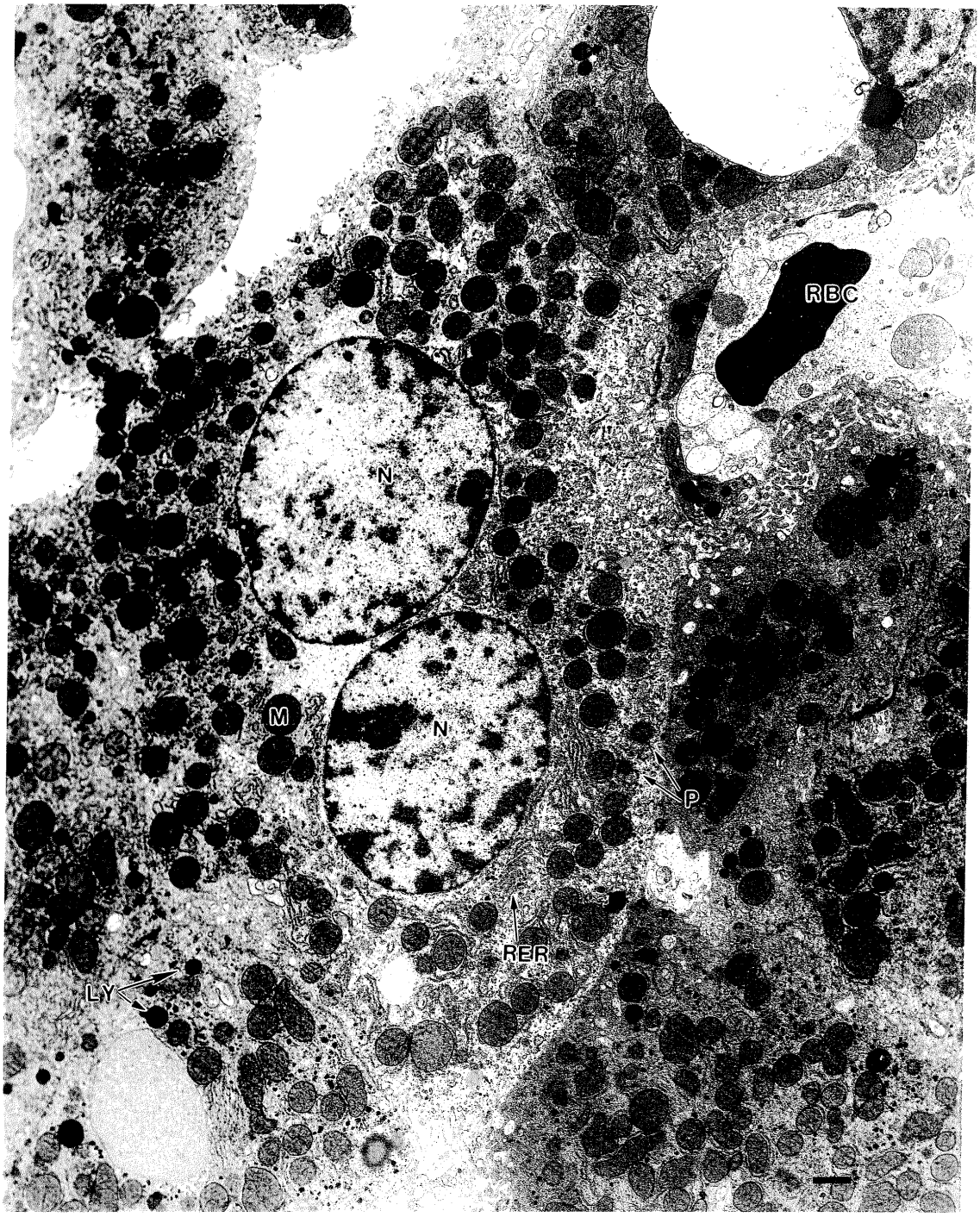
Figure 3. Liver. Hepatocyte. A high magnification of the cytoplasm of a hepatocyte is illustrated. The nucleus of the hepatocyte is found at the bottom of the micrograph. Within the cytosol, there are a number of mitochondria with normal lamellar cristae, abundant RER, and randomly scattered lysosomes. A bile canaliculus is observed separating this hepatocyte from another hepatocyte at the upper right hand top of the micrograph. Animal no. C92505, Control Male.

Figure 4. Liver. Hepatocyte. An enlarged cuboidal-shaped hepatocyte is found in the center of the micrograph. The cytoplasm is distended due to a large increase in SER and less RER. A moderate number of mitochondria and a few lipid droplets are also observed in the cytoplasm. Animal no. C92762, High dose treated Male.

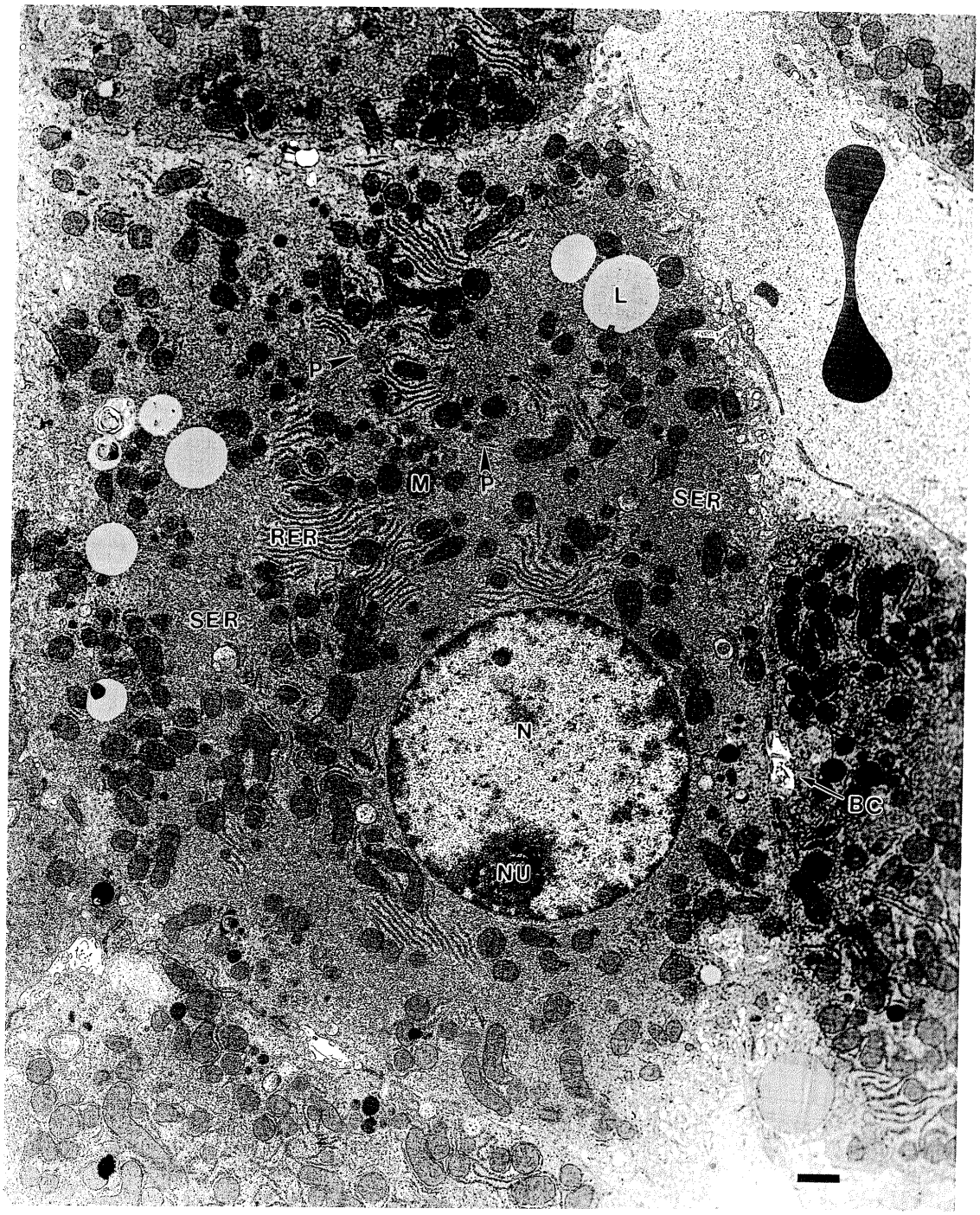
Figure 5. Liver. Hepatocyte. A large polygonal hepatocyte is found in the center of the micrograph. This hepatocyte has a small nucleus compared to the cytoplasm that is greatly distended with small mitochondria, RER, and SER. The plasma membrane contains a number of villous projections. Surrounding hepatocytes contain numerous mitochondria, RER, and SER. A portion of one hepatocyte, located along the upper right hand corner of the micrograph, has a large amount of glycogen. Animal no. C93125, High dose treated Female.

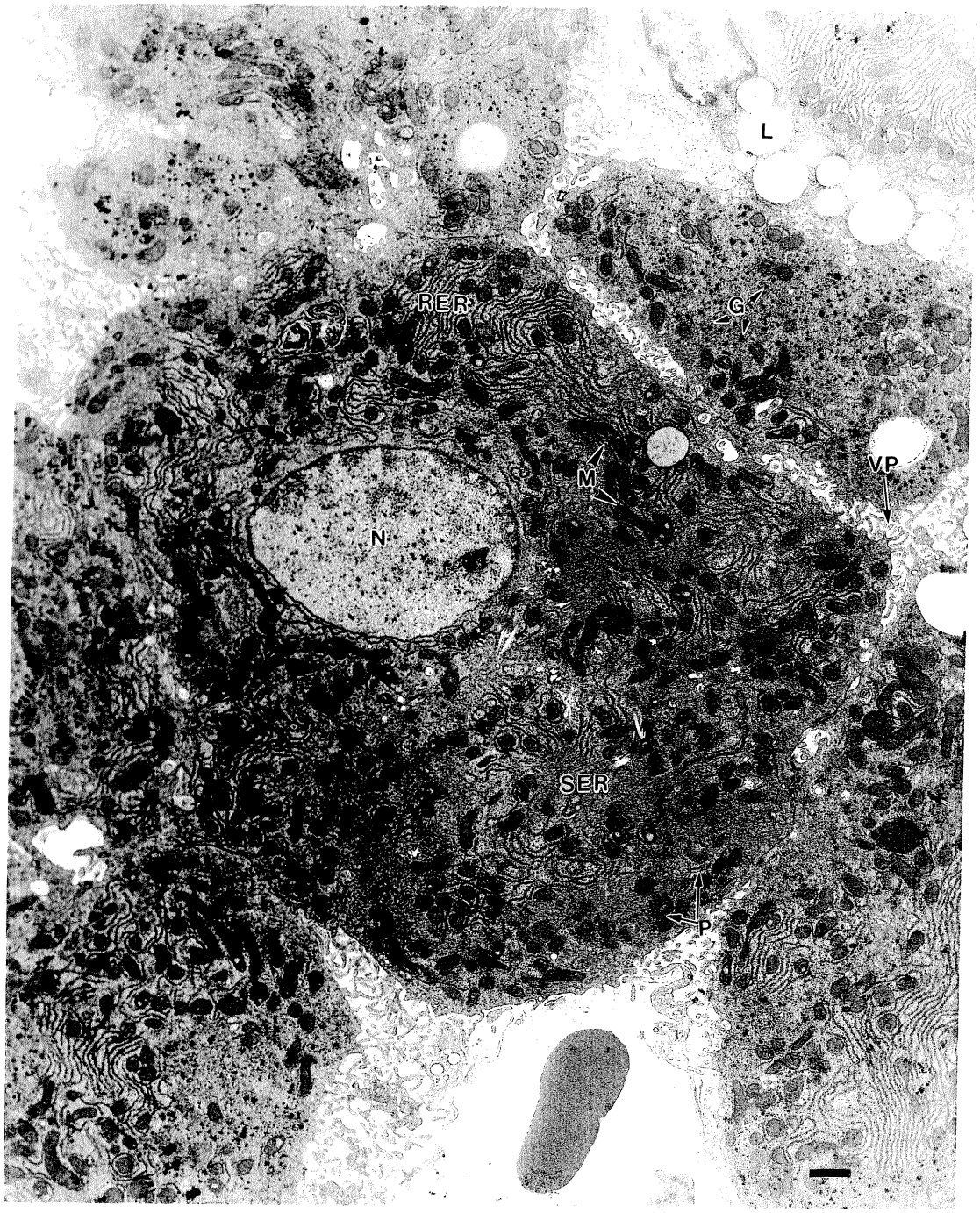
Figure 6. Liver. Hepatocyte. A round hepatocyte is found in the center of the micrograph. Randomly scattered are numerous mitochondria, RER, and a cluster of lipid vacuoles located in the lower portion of the cytoplasm. Surrounding the lipid vacuoles is a dense accumulation of glycogen. A sinusoid containing erythrocytes is noted on the lower left hand portion of the micrograph. Animal no. C92762, High dose treated Male.

DC
P
P
NU
N
M
NU
RER
RBC


RBC
N
N
M
P
RER
LY

L
BC
M
LY
P
RER
N
NU


L
P
M
P
SER
RER
SER
N
BC
NU


L
RER
G
M
VP
N
SER
P

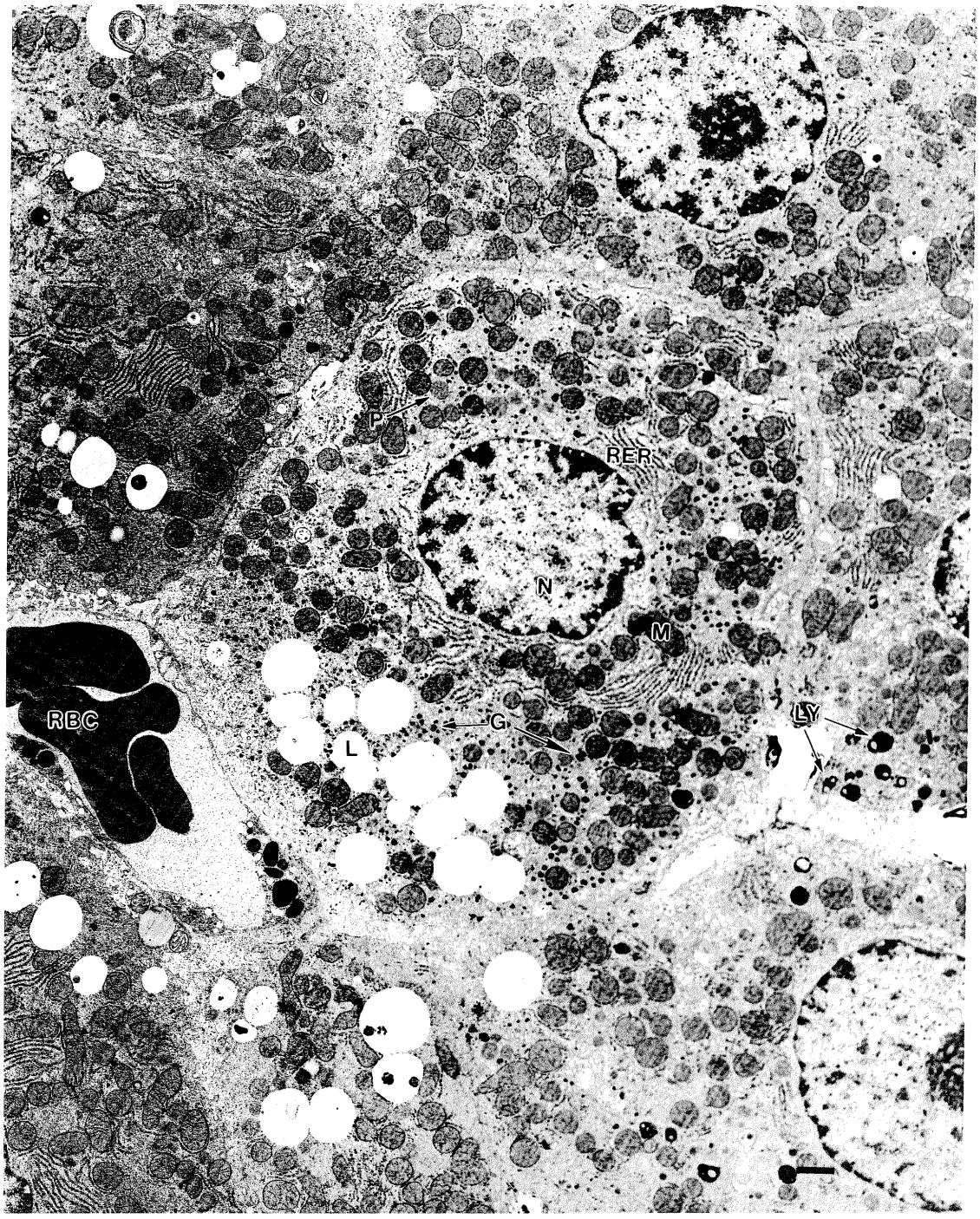

P
RER
N
M
RBC
L
G
LY

FIGURE LABELS FOR ULTRASTRUCTURAL STRUCTURES

Abbreviations	Structure
BC	Bile canaliculus
DC	Degenerate cell
G	Glycogen
L	Lipid droplet
LY	Lysosome
M	Mitochondria
N	Nucleus
NU	Nucleolus
P	Peroxisomes
RBC	Erythrocyte
RER	Rough endoplasmic reticulum
SER	Smooth endoplasmic reticulum
VP	Villous projection

SECTION IV

QUALITY ASSURANCE STATEMENT

PATHOLOGY ASSOCIATES
A CHARLES RIVER COMPANY

QUALITY ASSURANCE STATEMENT

The electron microscopy portion of this study has been inspected and audited by the Quality Assurance Unit of Pathology Associates International, as required by the Good Laboratory Practice regulations promulgated by the U.S. Food and Drug Administration. PAI has a functioning and responsive quality assurance unit which reports directly to management. The following is a record of inspections/audits and their resulting reports:

Date of Inspection	Phase Inspected	Date Reported to Management and Project Manager
03/14/01	Darkroom Procedures	03/14/01
03/29, 30/01	Audit of Data and Draft Report	03/30/01
11/29/01	Audit of Amended Final Report	11/29/01

Jeanne deWard, B.S., RQAP-GLP
Quality Assurance Officer

11/29/01
Date

Sponsor: Covance Laboratories

Study Title: 104 Week Dietary Chronic Toxicity and Carcinogenicity Study with Perfluorooctane Sulfonic Acid Potassium Salt (PFOS; T6295) in Rats

Study Number: 6329-183

4915 D Prospectus Drive, Durham, North Carolina 27713
Phone: (919) 544-5257 Fax: (919) 544-3218