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LONG-TERM FEEDING STUDIES IN RATS AND DOGS WITH DICHLORODIFLUOROMETHANE (FREON® 12 FOOD FREEZANT)

Medical Research Project No. 1388

DU PONT
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HASKELL LABORATORY FOR TOXICOLOGY
AND INDUSTRIAL MEDICINE

LONG-TERM FEEDING STUDIES IN RATS AND DOGS WITH
DICHLORODIFLUOROMETHANE (FREON® 12 FOOD FREEZANT)

Medical Research Project No. 1388

Haskell Laboratory Report No. 24-74

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Dichlorodifluoromethane (Freon® 12 Food Freezant)* has been regulated under CFR 121.1209 since 1967 as an approved direct-contact freezing agent for foods.

The present long-term feeding studies were carried out to obtain additional toxicity data on Freon® 12 in order to support its expanded use as a food freezant agent in certain countries other than the United States and in order to generate long-term toxicity data, presently absent, on a member of the fluorocarbon class of compounds.

The oral administration of Freon® 12 to rats was initiated on March 30, 1971, and the feeding study with dogs on August 11, 1971.

TEST MATERIALS

The test materials for both the rat and dog long-term feeding studies were supplied by the Freon® Products Laboratory, Organic Chemicals Department.

The Freon® 12 samples that were employed in the rat study were submitted as corn oil solutions; the solution used for the lower test level was 0.2% (w/v) and was assigned Haskell number 6966, while that for the higher test level was 2.0% (w/v) and was assigned Haskell Number 6967. Both solutions were submitted at a temperature of about 5°C and were maintained at this temperature by being stored in the refrigerator. The solutions were prepared fresh each week and stored in glass bottles, one fresh bottle for each day's administration to the animal. Whatever remained in the bottle at the end of each day's use was returned to the Freon® Products Laboratory for Freon® 12 analysis. The analyses of the returned fluorocarbon/corn oil solutions indicated that the Freon® 12 solutions were stable and that the value assigned to each corn oil solution of Freon® 12 was indeed valid for calculating the amount of Freon® 12 given each animal by intragastric intubation.

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* Throughout the report, this will be referred to as Freon® 12.

Distribution List

LONG-TERM FEEDING STUDIES IN RATS AND DOGS WITH DICHLORODIFLUOROMETHANE (FREON® 12 FOOD FREEZANT)

Medical Research Project No. 1388

Haskell Laboratory Report No. 24-74

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LONG-TERM FEEDING STUDIES IN RATS AND DOGS WITH DICHLORODIFLUOROMETHANE (FREON® 12 FOOD FREEZANT)

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These feeding studies were carried out by Mrs. Eleanor C. Barbo, Mr. John E. Henry and Mr. Kenneth H. Hostetler under the direction of Dr. Henry Sherman. The clinical laboratory and biochemistry tests were performed by Mrs. Louise L. Adams, Mr. Norman W. Henry, III, Mr. John R. Pennington, Jr. and the Misses Adele M. Pochomis and Grace H. Singles under the direction of Dr. John R. Barnes. Gross pathology and preparation of slides were carried out by Mr. August H. Stenholm, Mr. William I. Swan, Mr. Francis L. Ulmer, Mrs. Jean A. Hostetler, Mrs. Joan A. Dimeler, Dr. Rudolf Culik and Dr. Edwin F. Stula under the direction of Dr. James G. Aftosmis. Histopathologic evaluation of tissues was carried out by Dr. Edwin F. Stula under Dr. Aftosmis' direction.

LONG-TERM FEEDING STUDIES IN RATS AND DOGS WITH DICHLORODIFLUOROMETHANE (FREON® 12 FOOD FREEZANT)

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LONG-TERM FEEDING STUDIES IN RATS AND DOGS WITH DICHLORODIFLUOROMETHANE (FREON® 12 FOOD FREEZANT)

Medical Research Project No. 1388

Haskell Laboratory Report No. 24-74

SUMMARY

Freon® 12 has been orally administered to male and female rats at approximate dose levels of 150 and 15 mg/kg/day (which would correspond to dietary levels of approximately 3,000 and 300 ppm, respectively) for two years, starting with the offspring of rats that had been given the same compound at the same dose levels for three months. Except for a slight decreased rate of weight gain in those rats that received the higher dose level of Freon® 12, there was no clinical, biochemical, urine analytical, hematological, or histopathologic evidence of toxicity; at the lower dose level, all of the aforementioned parameters were within normal limits of those established by the controls. Carcinogenic, mutagenic (dominant lethal) and three-generation reproduction studies have all been carried out without any adverse findings attributable to the oral administration of Freon® 12.

Male and female beagle dogs have been fed as much as 3,000 ppm Freon® 12 in their diets for two years without any nutritional, hematological, urine analytical, biochemical, or histopathologic evidence of toxicity.

The Freon® 12 was administered to the dogs in the form of Gainesburgers®δ. The test Gainsburgers® were frozen by immersing them for five minutes in Freon® 12, allowing them to equilibrate in air for 90 seconds, packaging them in polyethylene bags, and then maintaining them in a freezer at -23°C until needed. An analysis of the Freon® 12 content of the test Gainesburgers® at various time intervals after their removal from the freezer to room temperature indicated that after a 30-minute time interval they contained 3,000 ppm and after a three-hour time interval, 300 ppm. These were the values used to calculate the amount of Freon® 12 received by the dogs on the high and low test levels, respectively, for the dogs usually consumed the food given them within a few minutes. Since each Gainesburger® weighed 85 grams, it contained at the time of its consumption approximately 250 mg and 25 mg Freon® 12. Haskell number 7148 was assigned to these test Gainesburgers®.

The Gainesburgers® that were used for the control dogs in the feeding study were frozen conventionally by placing them in a freezer at -23°C and maintaining them there until one-half hour before being needed.

A. RATS

PROCEDURE

Ninety-six female and 48 male weanling albino rats (Charles River - CD strain) were housed in pairs, sexes separate, in suspended stainless steel wire cages. They were given water and fed ground Purina Laboratory Chow (GPLC) containing 1% added corn oil (CO) ad libitum during a pretest period of 19 days. During this time, the animals were observed with respect to food acceptance, eating habits, and general well-being. At the end of this period, 84 females and 44 males were selected from this group and divided into four equal average weight groups and treated as follows:

Group	Number of Rats	
	Male	Female
I - Control	11	21
II - Control	11	21
III - Low Level Freon® 12	11	21
IV - High Level Freon® 12	11	21

These animals constituted the F_o generation.

Because of its low boiling point and high volatility, it was not feasible to mix Freon® 12 into the diet, as is customary in most feeding studies, to obtain a constant and stable dietary level. It was necessary to introduce the fluorocarbon into the test animals' stomachs by intragastric intubation with the corn oil solutions of the Freon® 12; control animals were intubated with corn oil whenever the test animals received their corn oil solutions of Freon® 12. The intragastric intubation of the control and test rats proceeded according to the following schedule:

δ Gainesburgers® is the trade name for the complete dog food manufactured by the General Foods Corporation, White Plains, New York.

Weeks on Test	Amount of Corn Oil or Corn Oil Solutions of Freon® 12 Given Control and Test Rats	
	Males	Females
0- 3	2.0	1.5
3- 6	2.5	1.7
6- 9	3.0	1.9
9-12	3.5	2.1
12-15	4.0	2.3

The high test level of Freon® 12 was attained by using a 2% (w/v) corn oil solution of Freon® 12 (H-6967), the low test level by using a 0.2% (w/v) solution of Freon® 12 (H-6966), for the intubation; the controls received corn oil alone in an amount equivalent to that received by the test animals. All control and test animals received the same volume of oil, irrespective of their body weights.

During the first six weeks of the study, the animals were intubated seven days a week; after this time, they were intubated five days a week.

The diet received by the animals, both control and test, was an enriched one composed of GPLC, casein§, and a vitamin mix†. This enriched diet was designed to compensate nutritionally for the lower diet intake that was expected to occur as a result of the rat's receiving a large percentage of its total caloric intake in the form of the oil used in the intubation procedure. The diet for the younger rats consisted of 15% casein, 0.2% vitamin mix, and 84.8% GPLC; as the amount of oil used in the intubation procedure increased, the amounts of casein and vitamin mix were simultaneously incrementally increased to a maximum of 25% casein and 0.5% vitamin mix (attained during the F_{1A} phase of the study when male and female rats received 5 ml and 3 ml corn oil, respectively).

When the animals of this F_o generation had been given their respective treatments for approximately three months, a reproduction study was initiated wherein one male was placed in a cage with two females (wherever possible) of the same group. The males were rotated within the group after five days so that over a 15-day period the females were exposed to three different males from the same experimental group. At the end of this time, the males were removed from the females. Intragastric intubation of the males continued without interruption during the mating procedure. Intubation of the pregnant females was stopped after the 18th or 19th day of gestation, but was resumed on the fifth day of lactation.

The offspring from this mating schedule constituted the F_{1A} generation; these animals were the ones assigned to the long-term toxicity study. They were maintained in the same grouping as their respective F_o parents and were dosed seven days/week for the first six weeks and then five days/week for the remainder of the long-term study.

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§ High Protein Casein # 160030, General Biochemicals, Chagrin Falls, Ohio.

† Vitamin Fortification Mix # 40060, General Biochemicals, Chagrin Falls, Ohio.

The F_0 animals were bred a second time to initiate the F_{1B} litter in a modified dominant lethal test; however, the pregnant females were sacrificed in mid-term. The uterus of each was evaluated for viable fetuses, early and late resorptions; the ovaries were examined for corpora lutea.

The F_{1A} animals were divided into four groups, which consisted of 50 males and 50 females per group and which were derived from approximately 12 different litters per group. The four groups were identical to those of the F_0 generation and were identified as follows:

Group	No. of Rats Male	No. of Rats Female	Identification
I	50	50	Control
II	50	50	Control
III	50	50	Low Level Freon® 12
IV	50	50	High Level Freon® 12

These animals of the F_{1A} generation were intubated with incremental quantities of corn oil or corn oil solutions of Freon® 12; initially when the animals were under 100 grams in weight, the males and females were given 2.0 ml and 1.5 ml corn oil/corn oil solutions, respectively. These increments were made every three weeks, 0.5 ml for the males, and 0.2 ml for the females until maxima of 5 ml and 3 ml were reached for the males and females, respectively, which amounts were maintained for the remainder of the study.

Diets were prepared fresh each week and stored in the refrigerator until used. The corn oil solutions of Freon® 12, as well as the corn oil alone, were kept under refrigeration; they were administered to the animals at the refrigerated temperature, ca. 5°C.

All animals were weighed once a week during the first six months, twice a month during the second six-month period, and then once a month during the second year.

Food consumption data were obtained on a group and sex basis at each weighing period.

During the test, the animals were examined regularly for any abnormal behavior and any clinical manifestations of toxicity.

Hematological examinations were conducted on peripheral blood from ten male and ten female rats, randomly selected from the control and test groups, after one, three, six, nine, twelve, eighteen, and twenty-four months. This evaluation included a total red and white blood cell count, hemoglobin concentration, hematocrit, and differential white blood cell count.

Urine analyses were conducted on specimens from the animals that were used for the hematological examinations. Forty-eight hours prior to the hematological examination, the rats were placed in metabolism cages; the second 24-hour urine collection was used for the analyses. These included a measure of the 24-hour volume, solute concentration (milliosmoles/liter) and

creatinine, and a semi-quantitative measurement of sugar, protein, and urobilinogen. The pH, color and appearance, and presence of occult blood and bilirubin were also observed. The sediments from two pools of urine from each group, prepared by combining the urine from five rats, were examined microscopically; any specimen with a positive test for blood was excluded from the pool and examined separately. The urine fluoride concentration in these specimens was measured and calculated as μg F/ml, μg F excreted/24 hours, and μg F/mg creatinine.

Blood was taken from the tails of another ten male and ten female rats in each group after one, three, six, nine, twelve, eighteen, and twenty-four months to measure alkaline phosphatase and glutamic-pyruvic transaminase activities and total bilirubin concentration.

A record was kept of animals that died or were sacrificed in extremis during the two-year period; their tissues were preserved, whenever possible, for histopathologic evaluation.

After one year of continuous oral administration of Freon® 12, six male and six female rats from each group were sacrificed, by over-exposure to chloroform, for gross and microscopic pathologic evaluation. After two years, all surviving animals were similarly sacrificed. Organ weights measured included those for brain, heart, lungs, liver, spleen, kidney, testis, stomach, adrenal, and pituitary. Tissues and organs preserved in formalin and stained with hematoxylin-eosin included, in addition to those mentioned above, the following: mammary gland, exorbital lacrimal gland, thymus, lymph nodes, bone marrow, sternal bone, trachea, aorta, salivary glands, duodenum, cecum, colon, pancreas, esophagus, epididymis, prostate, urinary bladder, parathyroid, thyroid, spinal cord, sciatic nerve, skeletal muscle, eye, and skin. All masses were taken for histopathologic evaluation.

At the time of the one- and two-year sacrifices, one femur was taken from each of the six or ten rats in each group, respectively, and analyzed for fluoride content.

Tissues were collected from the six rats in each group that were sacrificed after one year for Freon® 12 content. Those tissues analyzed individually included kidney, liver, hind thigh muscle, visceral fat, and blood; samples of adrenals, bone marrow, heart, and brain were pooled from six, six, three, and two rats, respectively. At the time of the two-year sacrifice, samples of blood, fat, kidney, liver, and muscle were taken from ten rats in each group and analyzed individually; the brains and hearts of two rats and the adrenals and bone marrow of four or five rats from groups of twenty were pooled to obtain eight to ten and three to four samples of these tissues from each group. The samples were frozen immediately and kept on dry ice until analyzed.

When the animals of the F_{1A} litter, i.e., those on the long-term study had been on test for approximately 90 days, they were bred within groups to produce the F_{2A} litter in much the same way as the F_0 animals were bred to produce the F_{1A} litter. The F_{2A} animals were bred after approximately 90 days to produce the F_{3A} litter. This latter group of animals was sacrificed four weeks after weaning for a histopathologic evaluation; these animals

did not receive Freon® 12 during this post weaning period. The F_{2A} animals were again bred to initiate the F_{3B} litter, but they were sacrificed in mid-term and examined as had been the F_{1B} litter. The intragastric intubation schedule of the animals in this aspect of the reproduction and modified dominant lethal test followed that observed with the F_o and F_{1A} generations.

RESULTS

1. Weight Gain

Growth curves for the control and test groups of rats are plotted in Figure 1. Average weekly, bi-weekly, and monthly body weights are presented in Tables I and II; average quarterly body weight gains are summarized in Table IX. Individual body weights are presented in Appendix I.

In evaluating the effect of the various levels of treatment upon the rate of weight gain, it is important to concentrate primarily on the performance of the animals during the first 12-15 months. During this period, none of the factors usually associated with ageing have had an opportunity to exert complicating effects upon the rate of weight gain. The spontaneous incidence of mammary masses, pituitary tumors, and nephritis - all of which are reflected in an altered rate of weight gain - is low, thus permitting a more lucid interpretation of body weight curves.

The oral administration of the higher level of Freon® 12 caused a slightly inferior rate of body weight gain in males and females throughout the study; the lower level of Freon® 12 administration had no effect upon body weight gain.

2. Food Consumption

A summary of the average daily food consumption data, computed as grams ingested per rat for each group during each designated period, is presented in Tables III and IV; quarterly food consumption data are summarized in Table IX.

There were no meaningful differences among the food consumption data of the control and test groups of animals.

3. Food Efficiency

Food efficiency data, calculated as gram weight gain per gram of food consumed, are presented in Tables V and VI; quarterly food efficiency data are summarized in Table IX.

There appeared to be no meaningful differences between control and test male rats with respect to the efficiency whereby the animals used their food for weight gain. Females receiving the higher level of Freon® 12 showed food efficiency values that were slightly lower than those of the controls or lower test group.

4. Dose

The average daily ingestion of Freon® 12 during each week was calculated in milligrams per kilogram of body weight; these data are presented in Tables VII and VIII.

The doses received by the two test groups of males ranged from 27 to 11 mg/kg/day and 273 to 130 mg/kg/day for the low and high test groups, respectively; those for the females ranged from 25 to 11 mg/kg/day and 242 to 128 mg/kg/day for the low and high test groups, respectively. These dose levels would, at the one-year period, correspond to a dietary concentration of Freon® 12 of approximately 300 and 3,000 ppm, respectively.

5. Clinical Observations

There were no clinical signs of toxicity that could be attributed to the oral administration of Freon® 12. The incidence of such clinical signs as chromodacryorrhea, malformed and/or rapidly growing incisor teeth, corneal opacity, tilting and circling movements, palpable masses, piloerection, cutaneous eczematous lesions, wart-like growths, cysts, or abscesses, stained perineal area, and mild alopecia was evenly distributed among the control and test groups.

The introduction of the corn oil solutions of Freon® 12 into the stomachs of the rats did not appear to produce any signs of discomfort or abnormal behavior.

6. Mortality

Summaries of the mortality data and of the mean age of the control and test animals, at death or sacrifice, are presented in Tables X and XI.

There were no important differences among mortality rates for control and test rats; no dose-mortality rate relationship was demonstrated. The deaths that were observed or the intentional sacrifices in extremis were coincidental and not attributable to the Freon® 12; a few deaths resulted from the animals' having been misdosed into the lungs.

There were no differences between control and test groups with respect to the mean age at which the animals died or were sacrificed.

7. Hematology

The results of the hematological measurements made during the feeding study are presented in Tables XII and XIII; the figures represent average values obtained at the various time intervals.

Hematological changes that normally occur with time were observed in all groups of animals. However, the values observed for the groups administered Freon® 12 were not different from those of either control group.

8. Urinalysis

The results of the periodic urine analyses made during the feeding study are presented in Tables XIV and XV; these figures represent average values obtained at the various time intervals. Individual urinary fluoride analyses are presented in Appendix II.

No abnormalities were found in the urine of rats that were administered Freon® 12 that could be attributed to the test compound.

Metabolism of Freon® 12 in amounts sufficient to result in an increased excretion of fluoride in the urine of the treated rats did not occur. Considerable variation in fluoride excretion was observed, however, both within and among all groups, control and test, throughout the test period.

9. Biochemistry

The results of the periodic liver function tests are presented in Table XVI; the figures represent average values obtained at the various time intervals.

No increase in either enzyme activity or bilirubin concentration occurred as a result of the treatment with Freon® 12.

10. Bone Fluoride

The results of the bone fluoride measurements after one- and two-years' oral administration of Freon® 12 are presented in Table XVII; the figures represent average values obtained at the two necropsies.

The average fluoride content of the bone of both males and females administered the higher dose of Freon® 12 was somewhat greater than the other test or control groups at one year, but not at two years. The fluoride content of the bone increased with age in both sexes and was greater in the males than in the females at the end of two years. The variation in bone fluoride among the rats in all groups was large at the two-year examination and no difference was found between control and test groups that could be attributed to the accumulation of fluoride as a result of metabolic breakdown.

11. Tissue Freon® 12

The results of the Freon® 12 analyses (gas chromatography), conducted on the various tissues of rats that received one and two years' oral administration of Freon® 12, are summarized in Table XVIII; the figures represent averages.

Small amounts of Freon® 12 were found in the liver and fat of the males and in the fat of the females at the one-year sacrifice. It was found in the liver of the males and in the fat of both sexes at the two-year sacrifice. The Freon® 12 present in fatty tissue did not increase during the second year of the test. Peaks with the same retention time as Freon® 12 were found in the chromatograms of the adrenals and the bone marrow of both control and treated rats. Since the equivalent concentration of Freon® 12 for control and test groups was similar and the analyses were made on a small number of pooled samples of these tissues, the measured amount was considered to be due principally to a biological interfering material rather than to Freon® 12. Trace amounts of Freon® 12, however, may remain in the adrenals and bone marrow as well as in the fat of rats administered the compound for two years.

12. Pathology

A summary of the average organ weights and organ weight/body weight ratios of the groups of animals sacrificed after one and two years' oral administration of Freon® 12 is presented in Tables XIX - XXII; individual organ weight data are presented in Appendix III.

There were no meaningful differences among the control and test groups with respect to the various organs measured at the one- and two-year periods.

A summary of the histopathologic changes seen in those animals of the two control and two test groups that were sacrificed after one year, as well as those that died or were sacrificed in extremis up to 16 months is presented in Tables XXIII - XXIX. In these tables, the group numbers represent the computer groupings, i.e., one and three being control males, two and four being control females, five and seven being low and high level male test groups, respectively, and six and eight being low and high level female test groups, respectively.

The code used in these tables was as follows: 0 = no abnormalities detected; X = no tissue available on slide or tumor present; + = slight degree of lesion present; ++ = moderate degree of lesion present; and +++ = marked degree of lesion present.

A summary of the histopathologic changes seen in those animals of the two control groups and in those receiving the higher dose level of Freon® 12, that died or were sacrificed in extremis after 16 months as well as those that were sacrificed at the end of the test, is presented in Tables XXX - XXXV.

No compound-related changes were detected in the tissues examined. The lesions found were considered to be naturally occurring and/or related to the accidental deposition of corn oil into the lung or pleural cavity, and/or due to traumatic injury to the stomach or esophagus with the intubation cannula.

A complete summary of the kinds and numbers of tumors found in the two control groups and in the test group receiving the higher dose level of Freon® 12 during the entire study is presented in Table XXXVI.

The oral administration of Freon® 12 to rats over a two-year period was not carcinogenic.

13. Reproduction Study

The results of the reproductive phase of the long-term feeding study are summarized in Table XXXVII. In the table, the following indices of reproduction and lactation were calculated and recorded: fertility index (percentage of matings resulting in pregnancy); gestation index (percentage of pregnancies resulting in birth of live litter); viability index (percentage of rats born that survived four days); and lactation index (percentage of rats alive at four days that survived to be weaned at 21 days).

The oral administration of Freon® 12 to rats did not interfere with their reproductive capabilities as measured by the various indices and weanling weights.

A summary of the average body weights of the F_{3A} animals during their four weeks' post-weaning is presented in Table XXXVIII.

There was no difference among the control and test groups with respect to body weight gain during this post-weaning period.

A summary of the histopathologic evaluation conducted on the F_{3A} animals four weeks post-weaning, during which time they received GPLC + 1% CO ad libitum and no Freon® 12, is presented in Tables XXXIX - XLIII.

The changes found were considered to be due to naturally-occurring disease and not related to the Freon® 12 that the mothers of these rats received.

14. Dominant Lethal Test

A summary of the results obtained with the modified dominant lethal test conducted on the F_{3B} generation is presented in Table XLIV. (The results from the test conducted on the F_{1B} generation are not reported because of the poor experimental technique employed which resulted in data that could not be interpreted.) In the table, the mutation rate index is defined as follows: if the number of live fetuses in relation to implantation sites is equal in test and control groups, the mutation rate is zero; if the number of resorption sites increases, the induced lethality increases from 0 to 100 percent; if the deviation from zero does not exceed 25 percent in the positive direction, the mutation rate of the control and test groups is considered comparable; values with minus (-) signs indicate that the number of living fetuses in that group was greater than that of the control, and the test material had no mutagenic effect.

The oral administration of Freon® 12 to parent male and female rats had no effect on fertility or the outcome of pregnancy, as measured by the number of corpora lutea, implantation sites, resorption sites, and number of live fetuses per litter.

The data and the calculation of the dominant lethal mutation indices for the test groups compare favorably with those for the two control groups and do not indicate dominant lethality at either of the two levels of Freon® 12.

B. DOGS

PROCEDURE

The beagle, one to two years of age, was the dog strain used in this study. Four males and four females were allocated to each of three groups. The dogs in one group, serving as a control, were given three to four Gainesburgers® each day, seven days a week, as their total diet. The

amount was adjusted for each dog so that voluntary total consumption was commensurate with maintenance of body weight; these had been kept frozen, but approximately 20-30 minutes after removal from the freezer were given to the dogs. The dogs in the other two groups, constituting a low and high level of dietary Freon® 12 were similarly given three to four test Gainesburgers® each day seven days a week. These Gainesburgers® had been frozen by immersion in Freon® 12 and kept in the freezer until one-half hour and three hours before being offered to the two test groups of dogs, the high level of feeding (3,000 ppm) and low level of feeding (300 ppm), respectively. The control and test Gainesburgers® were given to the dogs at approximately 2 PM every day and were consumed within a few minutes. The groups of dogs were, therefore, assigned to receive the following diets:

Group	Diet
I (Control)	Gainesburgers®
II	Gainesburgers® frozen in Freon® 12 (300 ppm)
III	Gainesburgers® frozen in Freon® 12 (3,000 ppm)

Water was available to the dogs at all times. The animals were weighed once each week; the approximate daily dose of Freon® 12, in mg/kg, was calculated from body weights and the weights of the Gainesburgers® consumed by the dogs.

The animals were examined daily for any abnormal behavior and any clinical signs of toxicity.

Hematological, biochemical (blood) and urinary examinations were conducted on each dog three times before the start of the feeding study and after one and three months after the Freon® 12 was fed to the dogs and then every third month thereafter. The initial and periodic examinations of the blood and urine consisted of the following:

Hematology: Erythrocyte and leucocyte counts, hemoglobin concentration, hematocrit, and differential leucocyte count.

Biochemistry: Glucose, urea nitrogen, cholesterol, creatinine, alkaline phosphatase, glutamic-pyruvic transaminase, total protein, and albumin-globulin ratio.

Urinalysis: Observation of color, appearance, and pH; a measure of the 24-hour urine volume, osmolality, and creatinine; a semi-quantitative test for sugar, protein, and urobilinogen, a test for blood, acetone, and bilirubin; a microscopic examination of the sediment, fluoride as μg/ml, μg/24 hours, and μg/mg creatinine.

After approximately one year of continuous feeding, one male and one female dog from both the control group and higher level Freon® 12 test group were sacrificed for gross and histopathologic evaluation and submitted for analytical appraisal. Blood, adrenals, bone marrow, brain,

visceral fat, heart, kidney, liver, and skeletal muscle from the hind thigh were collected for Freon® 12 analyses on each tissue. A portion of one femur was collected for bone fluoride measurements.

Because aerosol fluorocarbons have been reported to be retained longer in the adrenals than in other tissues following an inhalation exposure‡, adrenal function was investigated in the dogs at the end of the two-year feeding period. Three 24-hour urine collections were made on alternate days and analyzed for total 17-ketosteroids.

All dogs surviving the two years' feeding were sacrificed by electrocution and submitted to gross and histopathologic examination. The same tissues as after one year's feeding were collected for the same chemical analyses; the procedure for storing, preparing and analyzing the tissues was the same as that described for the rats. Organ weights were obtained for the following: brain, heart, lungs, liver, spleen, kidneys, stomach, thymus, adrenals, and pituitary. Organs and tissues were preserved in Bouin's solution and stained with hematoxylin-eosin; these include, in addition to those mentioned above, the following: pancreas, urinary bladder, epididymis, Fallopian tubes, uterus, ovary, duodenum, ileum, jejunum, cecum, colon, rectum, skeletal muscle, peripheral nerve, bone marrow, eyes, thoracic aorta, mammary gland, esophagus, gall bladder, spinal cord, trachea, salivary gland, tonsil, lymph node, and skin.

A complete gross pathologic examination was conducted on every animal of every group. A complete microscopic examination was performed on organs and tissues from the control group and the group receiving the higher dietary level of Freon® 12.

One male dog in the high level Freon® 12 test group was killed in a dog fight after having been on test for 18 weeks. He was replaced by another dog, which remained on test for approximately 98 weeks.

RESULTS

1. Body Weight

The weekly body weight data of the individual dogs are presented in Appendix IV. In Tables XLV and XLVI are presented the initial and final body weights of the dogs.

There were no differences between control and test groups with respect to body weight performance.

2. Food Consumption

A summary of the number of Gainesburgers®, control and test, given the various dogs is presented in Tables XLV and XLVI. These Gainesburgers® represented the total dietary intake of the dogs; the Gainesburgers® weigh approximately 85 grams each.

There were no meaningful differences between control and test groups with respect to their food consumption.

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‡ C. T. Dollery, "Absorption and Fate of Isoproterenol and Fluorocarbons Inhaled from Pressurized Aerosols." Paper presented at a meeting of the American College of Allergists, Dallas, Texas, March 8, 1972.

3. Dose

Calculations of the average dose of Freon® 12 (milligrams of compound per kilogram of body weight) gave values of approximately 80 and 8 for the high and low dietary levels of Freon® 12, respectively.

4. Clinical Observations

No clinical signs of toxicity were observed in any of the test dogs throughout the entire test.

5. Hematology

The results of the hematological measurements conducted throughout the feeding study are summarized in Tables XLVII and XLVIII; the numbers represent average values obtained during the pretreatment and treatment periods.

No changes were observed in any of the hematologic measurements that could be attributed to the presence of Freon® 12 in the diet.

6. Urinalysis

The results of the urine analyses conducted throughout the feeding study are summarized in Tables XLIX and L; the figures recorded represent average values obtained during the pretreatment and treatment periods.

No significant abnormalities were observed in any of the urine analyses or observations conducted that could be attributed to the presence of Freon® 12 in the diet.

7. Biochemistry

The results of the biochemical measurements conducted throughout the feeding study are summarized in Tables LI and LII; the figures recorded represent average values obtained during the pretreatment and treatment periods.

No significant changes or abnormal trends were observed in any of the measurements made that could be attributed to the feeding of Freon® 12.

8. Bone Fluoride

The results of the bone fluoride measurements, made after one and two years of continuous feeding, are summarized in Table LIII; the figures recorded represent, where indicated, average values.

No increase in fluoride was found in the femurs of the dogs fed Freon® 12.

9. Tissue Freon® 12 Analyses

A summary of the analyses of the various tissues for Freon® 12 is presented in Table LIV; these figures represent, where indicated, average values.

After one year, Freon® 12 was found only in the fatty tissue of the two dogs fed the higher dietary level. At the end of two years' feeding, Freon® 12 was found in the fat, bone marrow, and adrenals of both control and treated dogs. An interfering substance contained in these tissues contributed to the apparent Freon® 12 present therein. The highest values in fat and bone marrow were seen in the females, and values higher than those in the controls in the fat of males fed the higher level of Freon® 12. From this, it is concluded that trace amounts, up to 1 ppm, of Freon® 12 remained in the fat and bone marrow of dogs given Freon® 12 for two years, but not in the other tissues examined.

10. Adrenal Function Test

The results of the measurement of 17-ketosteroids, excreted in the dogs' urine, are summarized in Table LV; the figures recorded represent average values.

Adrenal function, as reflected in the excretion of 17-ketosteroids, was not affected after two years in the dogs that had been fed Freon® 12.

11. Mortality

All the dogs in the control and lower dietary level group survived the one- and two-year feeding periods. One male dog in the higher dietary level group was killed in a dog fight and was replaced; all other test dogs survived their test periods.

12. Pathology

The individual organ weights of the dogs sacrificed after one and two years' feeding of Freon® 12 are presented in Table LVI and LVII.

There were no meaningful differences among control and test groups with respect to the weights of the various organs measured.

A summary of the histopathologic changes seen in the dogs that were sacrificed at one year is presented in Table LVIII. The code used was as follows: 0 = no abnormalities detected; X = no tissue available on slide or tumor present; + = slight degree of lesion present; ++ = moderate degree of lesion present; +++ = marked degree of lesion present. No test compound-related changes were detected in the tissues examined.

A summary of the histopathologic changes seen in the dogs after two years' feeding of Freon® 12 is presented in Table LIX. No test compound-related changes were detected in the dogs examined; the changes listed were considered to be due to natural diseases of dogs.

SUMMARY

Freon® 12 has been orally administered to male and female rats at approximate dose levels of 150 and 15 mg/kg/day (which would correspond to dietary levels of approximately 3,000 and 300 ppm, respectively) for two years, starting with the offspring of rats that had been given the same compound at the same dose levels for three months. Except for a slight decreased rate of weight gain in those rats that received the higher dose level of Freon® 12, there was no clinical, biochemical, urine analytical, hematological, or histopathologic evidence of toxicity; at the lower dose level, all of the aforementioned parameters were within normal limits of those established by the controls. Carcinogenic, mutagenic (dominant lethal) and three-generation reproduction studies have all been carried out without any adverse findings attributable to the oral administration of Freon® 12.

Male and female beagle dogs have been fed as much as 3,000 ppm Freon® 12 in their diets for two years without any nutritional, hematological, urine analytical, biochemical, or histopathologic evidence of toxicity.

GROWTH RESPONSE OF MALE & FEMALE RATS (F_{1A} GENERATION)
ORALLY ADMINISTERED FREON® 12

MR 1388

FIG. 1

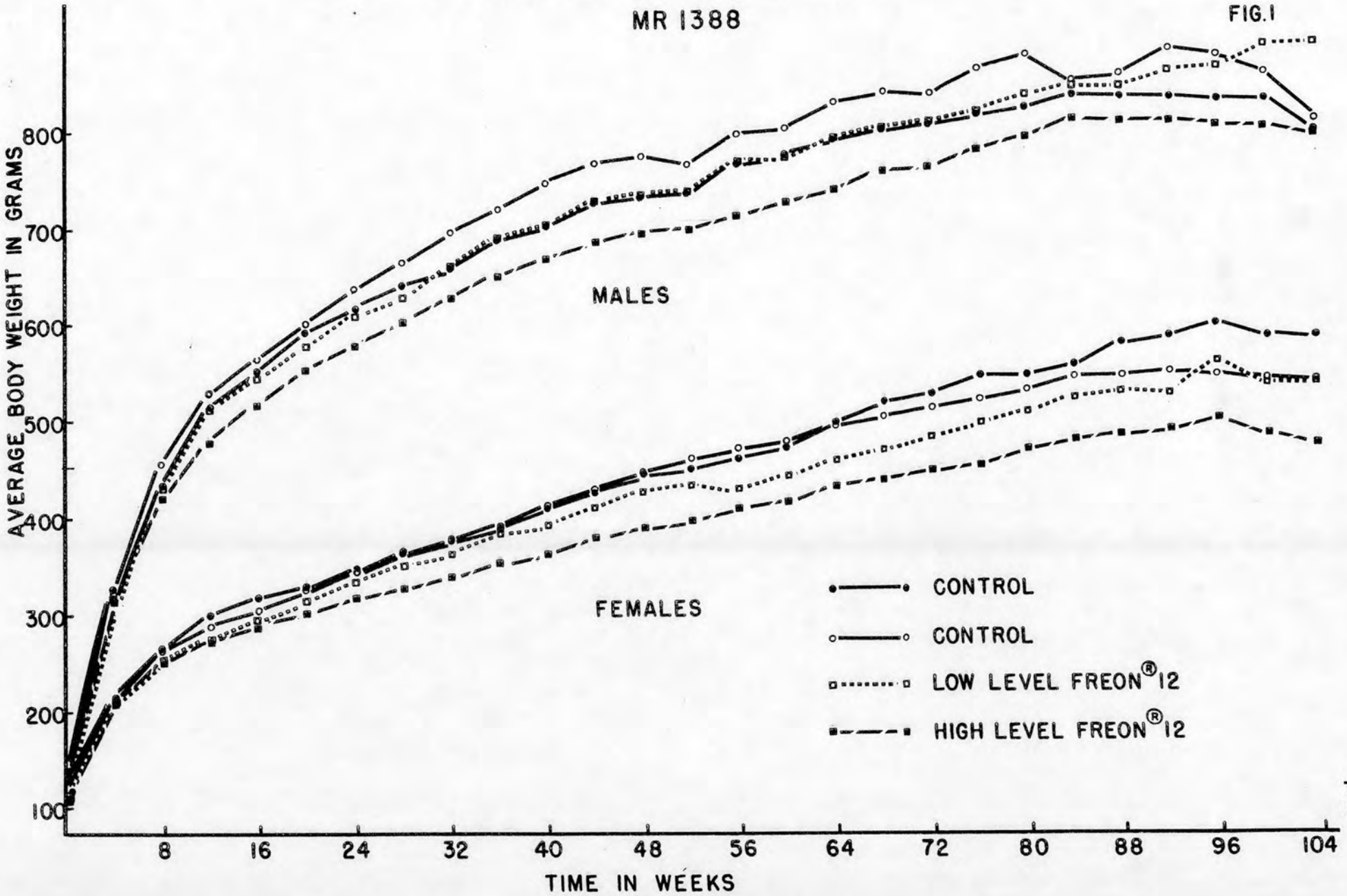

TABLE I

AVERAGE BODY WEIGHTS IN GRAMS OF MALE RATS DOSED VARIOUS LEVELS OF FREON® 12

Days on Test	Group I Control	Group II Control	Freon® 12 Group III Low Level	Freon® 12 Group IV High Level
0	129	136	122	130
7	179	188	172	178
14	230	238	225	229
21	279	288	272	275
28	327	337	320	317
35	362	373	357	349
42	397	408	391	381
49	424	438	420	407
56	447	462	439	425
63	469	484	463	444
70	483	506	487	457
77	498	521	501	469
84	508	532	517	476
91	517	536	518	486
98	529	541	527	492
105	535	554	538	506
112	551	569	546	516
119	559	574	552	528
126	571	583	563	535
133	581	597	574	543
140	594	605	579	551
147	598	619	589	561
154	606	624	600	568
161	610	632	602	572
168	617	641	612	576
175	623	646	618	583
182	626	655	624	590
196	641	669	633	601
210	654	684	643	612
224	663	698	658	626
238	676	713	672	637
252	690	721	685	649
266	697	734	692	655
280	704	748	703	668
294	719	758	719	677
308	729	768	729	685
322	736	769	737	694
336	735	772	734	693
350	734	767	729	688
364	734	767	738	699

TABLE I (Continued)

AVERAGE BODY WEIGHTS IN GRAMS OF MALE RATS DOSED VARIOUS LEVELS OF FREON® 12

Days on Test	Group I Control	Group II Control	Freon® 12 Group III Low Level	Freon® 12 Group IV High Level
392	765	797	768	711
420	776	805	774	725
448	793	830	790	740
476	807	840	801	760
504	808	840	810	760
532	821	862	819	780
560	824	877	836	795
588	838	852	848	811
616	836	855	847	809
644	834	880	861	809
672	830	875	869	803
700	830	857	886	801
728	797	806	887	796

TABLE II

AVERAGE BODY WEIGHTS IN GRAMS OF FEMALE RATS DOSED VARIOUS LEVELS OF FREON® 12

Days on Test	Group I Control	Group II Control	Freon® 12 Group III Low Level	Freon® 12 Group IV High Level
0	110	112	105	115
7	147	151	140	146
14	172	176	165	173
21	190	195	181	189
28	212	216	203	210
35	228	230	218	223
42	243	245	233	236
49	256	258	244	248
56	270	269	253	254
63	275	277	262	263
70	275	293	268	267
77	281	294	276	271
84	286	298	279	274
91	286	300	278	276
98	291	305	283	278
105	294	309	289	285
112	304	318	295	287
119	310	322	300	294
126	317	317	306	301
133	324	326	314	304
140	331	327	317	308
147	337	335	323	311
154	342	340	327	314
161	344	342	328	315
168	348	347	335	319
175	350	350	339	322
182	354	355	342	324
196	365	365	350	328
210	375	368	357	334
224	382	376	364	339
238	386	385	373	345
252	395	394	381	354
266	405	402	386	358
280	413	412	392	361
294	422	424	401	369
308	428	432	411	377
822	438	441	420	385
336	446	450	427	389
350	451	459	426	393
364	450	450	430	395

TABLE II (Continued)

AVERAGE BODY WEIGHTS IN GRAMS OF FEMALE RATS DOSED VARIOUS LEVELS OF FREON® 12

Days on Test	Group I Control	Group II Control	Freon® 12 Group III Low Level	Freon® 12 Group IV High Level
392	473	461	429	408
420	478	473	440	416
448	496	493	456	432
476	518	505	469	439
504	527	514	484	448
532	546	523	496	454
560	548	534	509	468
588	559	545	523	479
616	578	545	534	482
644	586	548	532	487
672	597	545	556	500
700	584	545	537	484
728	586	538	540	474

TABLE III

AVERAGE DAILY FOOD CONSUMPTION IN GRAMS OF MALE RATS DOSED VARIOUS LEVELS OF FREON® 12

Days on Test	Group I Control	Group II Control	Freon® 12 Group III Low Level	Freon® 12 Group IV High Level
0- 7	16.2	17.2	15.5	16.4
7-14	18.4	18.9	18.1	18.5
14-21	20.4	21.7	20.6	20.8
21-28	21.2	21.6	21.0	20.6
28-35	19.6	20.6	19.8	19.3
35-42	20.1	21.5	21.0	20.1
42-49	21.6	23.0	22.1	21.6
49-56	20.6	21.7	20.2	19.6
56-63	19.9	21.0	20.2	19.6
63-70	19.1	20.6	19.5	18.6
70-77	18.4	20.6	19.7	18.0
77-84	17.6	19.3	19.6	18.2
84-91	17.5	17.6	18.2	17.5
91-98	17.7	17.9	18.0	17.2
98-105	17.3	17.7	17.7	17.6
105-112	17.2	17.4	16.5	16.4
112-119	16.3	16.9	16.1	15.6
119-126	14.8	14.7	15.0	13.5
126-133	16.6	18.2	17.0	16.2
133-140	15.6	16.8	16.3	15.4
140-147	15.4	15.9	15.4	14.6
147-154	14.3	15.0	14.9	14.1
154-161	16.1	17.3	17.2	16.0
161-168	15.4	16.0	15.5	14.7
168-175	15.1	16.2	15.4	14.5
175-182	14.5	15.4	14.8	13.8
182-196	14.8	14.4	13.9	13.7
196-210	14.3	15.2	14.6	13.9
210-224	14.4	15.0	15.0	14.2
224-238	14.5	14.3	14.9	14.1
238-252	14.5	15.0	14.9	14.1
252-266	14.9	15.9	15.2	14.8
266-280	13.7	15.4	14.1	13.9
280-294	14.6	14.9	14.9	14.0
294-308	13.6	14.7	14.0	14.3
308-322	14.4	15.1	14.7	14.6
322-336	13.6	14.6	13.6	13.9
336-350	12.2	12.5	12.2	12.4
350-364	12.8	12.7	13.1	12.9

TABLE III (Continued)

AVERAGE DAILY FOOD CONSUMPTION IN GRAMS OF MALE RATS DOSED VARIOUS LEVELS OF FREON® 12

Days on Test	Group I Control	Group II Control	Freon® 12 Group III Low Level	Freon® 12 Group IV High Level
364-392	15.0	15.7	14.8	14.6
392-420	14.6	15.3	14.2	15.0
420-448	14.4	15.7	14.1	14.2
448-476	14.7	15.3	14.4	14.7
476-504	14.9	15.6	13.9	14.7
504-532	16.0	17.3	15.5	16.0
532-560	15.7	16.7	15.3	16.2
560-588	15.4	14.7	14.9	16.0
588-616	16.1	17.0	14.8	15.8
616-644	16.2	18.9	14.1	16.6
644-672	14.3	17.4	15.6	15.4
672-700	14.1	16.0	15.3	15.5
700-728	11.9	11.8	13.4	13.2

TABLE IV

AVERAGE DAILY FOOD CONSUMPTION IN GRAMS OF FEMALE RATS DOSED VARIOUS LEVELS OF FREON® 12

Days on Test	Group I Control	Group II Control	Freon® 12 Group III Low Level	Freon® 12 Group IV High Level
0- 7	13.4	14.2	12.9	13.6
7-14	13.8	14.4	14.7	13.7
14-21	13.6	14.3	13.3	13.6
21-28	13.5	13.8	13.4	13.4
28-35	13.2	13.2	12.4	12.8
35-42	14.1	14.0	13.8	13.3
42-49	15.4	15.2	14.8	14.6
49-56	14.9	14.3	13.8	13.2
56-63	14.2	14.0	13.7	13.3
63-70	13.7	13.7	13.7	13.3
70-77	13.6	13.9	13.6	12.8
77-84	13.3	13.9	13.3	11.9
84-91	13.0	13.7	12.3	12.3
91-98	11.9	12.6	12.4	11.7
98-105	12.3	12.4	12.3	12.0
105-112	12.1	12.7	12.3	11.8
112-119	12.0	12.9	12.3	11.5
119-126	11.9	11.2	12.0	12.2
126-133	14.8	14.6	14.2	13.6
133-140	14.9	13.1	12.6	12.5
140-147	12.5	12.5	11.9	11.2
147-154	11.9	12.0	11.2	10.7
154-161	13.0	13.4	12.6	12.1
161-168	12.3	12.6	12.0	11.7
168-175	11.6	11.9	11.3	10.8
175-182	11.2	11.8	11.0	10.8
182-196	10.9	11.6	10.6	10.0
196-210	11.1	11.6	10.6	10.3
210-224	10.9	11.7	11.0	10.2
224-238	11.0	12.2	11.2	10.6
238-252	11.7	12.0	11.5	10.7
252-266	12.1	12.4	11.7	11.2
266-280	11.6	11.5	11.2	10.4
280-294	11.6	11.8	11.5	10.8
294-308	11.6	11.4	11.6	11.2
308-322	12.1	12.3	12.1	11.4
322-336	12.1	12.3	11.8	11.4
336-350	11.2	10.8	10.5	10.5
350-364	10.4	10.0	10.4	10.2

TABLE IV (Continued)

AVERAGE DAILY FOOD CONSUMPTION IN GRAMS OF FEMALE RATS DOSED VARIOUS LEVELS OF FREON® 12

Days on Test	Group I Control	Group II Control	Freon® 12 Group III Low Level	Freon® 12 Group IV High Level
364-392	12.5	12.0	12.3	12.4
392-420	10.3	10.8	10.7	10.0
420-448	12.4	12.6	11.8	12.1
448-476	12.9	12.9	12.4	11.8
476-504	12.9	12.8	12.6	11.9
504-532	14.1	13.4	13.0	11.8
532-560	13.2	13.4	12.8	12.6
560-588	14.0	13.7	12.8	13.1
588-616	14.2	14.6	14.0	12.8
616-644	15.3	14.0	14.1	12.6
644-672	14.5	13.4	14.4	13.0
672-700	14.0	12.9	14.2	13.2
700-728	13.6	11.5	12.6	12.1

TABLE V

AVERAGE FOOD EFFICIENCY DATA (GRAMS WEIGHT GAIN/GRAMS FOOD CONSUMED) OF MALE RATS DOSED VARIOUS LEVELS OF FREON® 12

Days on Test	Group I Control	Group II Control	Freon® 12 Group III Low Level	Freon® 12 Group IV High Level
0- 7	.44	.43	.46	.42
7-14	.39	.37	.41	.39
14-21	.34	.33	.32	.31
21-28	.32	.32	.32	.30
28-35	.26	.25	.27	.24
35-42	.25	.23	.23	.23
42-49	.18	.19	.19	.17
49-56	.16	.16	.14	.13
56-63	.16	.15	.17	.14
63-70	.10	.15	.18	.10
70-77	.12	.10	.10	.09
77-84	.08	.08	.12	.05
84-91	.07	.03	.01	.08
91-98	.10	.04	.07	.05
98-105	.05	.10	.09	.11
105-112	.14	.13	.07	.09
112-119	.07	.04	.05	.11
119-126	.12	.09	.11	.08
126-133	.08	.11	.09	.07
133-140	.11	.06	.04	.07
140-147	.04	.12	.10	.10
147-154	.08	.05	.11	.07
154-161	.03	.07	.02	.04
161-168	.06	.08	.09	.04
168-175	.05	.05	.05	.06
175-182	.03	.08	.06	.07
182-196	.07	.07	.05	.06
192-210	.06	.07	.05	.06
210-224	.05	.06	.07	.07
224-238	.06	.08	.07	.06
238-252	.07	.04	.06	.06
252-266	.03	.06	.03	.03
266-280	.04	.06	.05	.07
280-294	.07	.05	.08	.04
294-308	.05	.05	.05	.04
308-322	.03	.01	.04	.04
322-336	-	.02	-	-
336-350	-	-	-	-
350-364	-	-	.05	.06

TABLE V (Continued)

AVERAGE FOOD EFFICIENCY DATA (GRAMS WEIGHT GAIN/GRAMS FOOD CONSUMED) OF MALE RATS DOSED VARIOUS LEVELS OF FREON® 12

			Freon® 12	
Days on Test	Group I Control	Group II Control	Group III Low Level	Group IV High Level
364-392	.07	.07	.07	.03
392-420	.03	.02	.01	.03
420-448	.04	.06	.04	.04
448-476	.03	.02	.03	.05
476-504	-	-	.02	.01
504-532	.03	.05	.02	.04
532-560	-	.03	.04	.03
560-588	.04	-	.03	.04
588-616	-	.01	-	-
616-644	-	.05	.04	-
644-672	-	-	.02	-
672-700	-	-	.04	-
700-728	-	-	-	-

TABLE VI

AVERAGE FOOD EFFICIENCY DATA (GRAMS WEIGHT GAIN/GRAMS FOOD CONSUMED) OF FEMALE RATS DOSED VARIOUS LEVELS OF FREON® 12

Days on Test	Group I Control	Group II Control	Freon® 12 Group III Low Level	Freon® 12 Group IV High Level
0- 7	.39	.39	.38	.32
7-14	.25	.25	.27	.27
14-21	.19	.19	.17	.16
21-28	.24	.22	.23	.22
28-35	.18	.15	.17	.14
35-42	.15	.15	.15	.14
42-49	.12	.12	.10	.12
49-56	.13	.11	.09	.07
56-63	.05	.08	.09	.10
63-70	-	.17	.06	.04
70-77	.07	.01	.08	.04
77-84	.05	.05	.04	.04
84-91	-	.02	-	.02
91-98	.06	.05	.06	.03
98-105	.03	.05	.07	.08
105-112	.12	.10	.07	.02
112-119	.07	.05	.06	.09
119-126	.08	-	.07	.08
126-133	.09	.09	.08	.03
133-140	.05	.01	.02	.04
140-147	.07	.09	.10	.03
147-154	.07	.06	.05	.04
154-161	.02	.02	.01	.01
161-168	.05	.06	.09	.04
168-175	.02	.03	.05	.04
175-182	.05	.06	.03	.02
182-196	.07	.06	.05	.03
196-210	.06	.02	.04	.04
210-224	.05	.05	.04	.03
224-238	.02	.05	.05	.03
238-252	.06	.05	.06	.06
252-266	.06	.05	.03	.02
266-280	.05	.06	.04	.02
280-294	.05	.07	.06	.05
294-308	.05	.05	.06	.05
308-322	.06	.05	.05	.05
322-336	.05	.05	.04	.03
336-350	.03	.06	-	.03
350-364	-	-	.03	.01

TABLE VI (Continued)

AVERAGE FOOD EFFICIENCY DATA (GRAMS WEIGHT GAIN/GRAMS FOOD CONSUMED) OF FEMALE RATS DOSED VARIOUS LEVELS OF FREON® 12

Days on Test	Group I Control	Group II Control	Freon® 12 Group III Low Level	Freon® 12 Group IV High Level
364-392	.06	.03	-	.04
392-420	.02	.04	.04	-
420-448	.05	.06	.05	.05
448-476	.06	.03	.04	.02
476-504	.03	.02	.04	.03
504-532	.05	.02	.03	.02
532-560	.01	.03	.04	.04
560-588	.02	.03	.04	.03
588-616	.05	-	.03	.01
616-644	.02	.01	-	.02
644-672	.03	-	.06	.04
672-700	-	-	-	-
700-728	.01	-	.01	-

TABLE VII

AVERAGE INTAKE BY MALE RATS OF FREON® 12 IN MG/KG/DAY

Days on Test	Group I Control	Group II Control	Freon® 12 Group III Low Level	Freon® 12 Group IV High Level
0- 7	-	-	27.2	272.7
7-14	-	-	20.2	206.5
14-21	-	-	16.1	166.8
21-28	-	-	16.9	168.8
28-35	-	-	14.8	150.2
35-42	-	-	13.4	143.8
42-49	-	-	14.8	159.9
49-56	-	-	14.0	151.5
56-63	-	-	13.3	145.0
63-70	-	-	14.7	163.1
70-77	-	-	14.2	158.8
77-84	-	-	13.8	155.6
84-91	-	-	15.4	174.6
91-98	-	-	15.3	171.7
98-105	-	-	15.0	168.3
105-112	-	-	16.6	184.9
112-119	-	-	16.4	181.1
119-126	-	-	16.1	177.7
126-133	-	-	17.6	194.7
133-140	-	-	17.3	192.0
140-147	-	-	17.1	188.8
147-154	-	-	16.8	186.0
154-161	-	-	16.6	184.1
161-168	-	-	16.5	182.8
168-175	-	-	16.3	181.2
175-182	-	-	16.1	179.0
182-196	-	-	15.9	176.3
196-210	-	-	15.7	173.1
210-224	-	-	15.4	169.6
224-238	-	-	15.0	166.2
238-252	-	-	14.7	163.3
252-266	-	-	14.5	161.0
266-280	-	-	14.3	158.7
280-294	-	-	14.1	156.1
294-308	-	-	13.8	154.1
308-322	-	-	13.6	152.3
322-336	-	-	13.6	151.4
336-350	-	-	13.7	152.0
350-364	-	-	13.6	151.4

TABLE VII (Continued)

AVERAGE INTAKE BY MALE RATS OF FREON® 12 IN MG/KG/DAY

Days on Test	Group I Control	Group II Control	Freon® 12 Group III Low Level	Freon® 12 Group IV High Level
364-392	-	-	13.3	148.9
392-420	-	-	13.0	146.2
420-448	-	-	12.8	143.3
448-476	-	-	12.6	140.0
476-504	-	-	12.4	138.1
504-532	-	-	12.3	136.4
532-560	-	-	12.1	133.4
560-588	-	-	11.9	130.7
588-616	-	-	11.8	129.6
616-644	-	-	11.7	129.8
644-672	-	-	11.6	130.2
672-700	-	-	11.4	131.0
700-728	-	-	11.3	131.5

TABLE VIII

AVERAGE INTAKE BY FEMALE RATS OF FREON® 12 IN MG/KG/DAY

Days on Test	Group I Control	Group II Control	Freon® 12 Group III Low Level	Freon® 12 Group IV High Level
0- 7	-	-	24.5	241.7
7-14	-	-	19.6	197.7
14-21	-	-	17.3	174.2
21-28	-	-	17.7	170.6
28-35	-	-	16.2	157.2
35-42	-	-	15.1	155.4
42-49	-	-	15.9	164.7
49-56	-	-	15.3	158.8
56-63	-	-	14.8	154.4
63-70	-	-	15.8	166.5
70-77	-	-	15.4	164.1
77-84	-	-	15.1	161.8
84-91	-	-	16.5	175.8
91-98	-	-	16.4	174.2
98-105	-	-	16.1	171.6
105-112	-	-	17.1	183.5
112-119	-	-	16.8	180.6
119-126	-	-	16.5	176.4
126-133	-	-	17.4	187.4
133-140	-	-	17.2	185.4
140-147	-	-	16.9	183.3
147-154	-	-	17.8	194.8
154-161	-	-	17.7	193.6
161-168	-	-	17.5	192.2
168-175	-	-	17.8	196.5
175-182	-	-	17.6	195.1
182-196	-	-	17.3	193.3
196-210	-	-	17.0	190.4
210-224	-	-	16.7	187.2
224-238	-	-	16.3	183.7
238-252	-	-	15.9	180.3
252-266	-	-	15.6	177.0
266-280	-	-	15.4	175.2
280-294	-	-	15.1	172.6
294-308	-	-	14.8	168.9
308-322	-	-	14.4	165.3
322-336	-	-	14.2	162.7
336-350	-	-	14.1	161.1
350-364	-	-	14.0	160.0

TABLE VIII (Continued)

AVERAGE INTAKE BY FEMALE RATS OF FREON® 12 IN MG/KG/DAY

Days on Test	Group I Control	Group II Control	Freon® 12 Group III Low Level	Freon® 12 Group IV High Level
364-392	-	-	14.0	157.1
392-420	-	-	13.8	147.2
420-448	-	-	13.4	148.6
448-476	-	-	13.0	144.7
476-504	-	-	12.6	142.0
504-532	-	-	12.2	139.6
532-560	-	-	11.9	136.7
560-588	-	-	11.6	133.0
588-616	-	-	11.4	131.1
616-644	-	-	11.3	130.0
644-672	-	-	11.0	127.7
672-700	-	-	11.0	128.1
700-728	-	-	11.1	131.6

TABLE IX

AVERAGE WEIGHT GAIN, FOOD CONSUMPTION, AND FOOD EFFICIENCY DATA CALCULATED ON A QUARTERLY BASIS, OF MALE AND FEMALE RATS FED VARIOUS LEVELS OF FREON® 12

		MALES			FEMALES		
Group	Months on Test	Weight Gain (gm)	Food Consumption (gm)	Food Efficiency	Weight Gain (gm)	Food Consumption (gm)	Food Efficiency
	0-3	388	1,754	0.22	176	1,258	0.14
	3-6	108	1,445	0.07	69	1,136	0.06
I	6-9	70	1,224	0.06	51	948	0.05
(Control)	9-12	38	1,164	0.03	47	995	0.05
	12-15	59	1,412	0.03	45	1,131	0.03
	15-18	28	1,277	0.02	50	1,119	0.05
	18-21	13	1,776	0.01	41	1,591	0.02
	21-24	- 37	1,128	-	0	1,179	0.01
	Total	667	11,180	0.06	479	9,357	0.06
	0-3	400	1,856	0.21	188	1,279	0.15
	3-6	113	1,507	0.13	55	1,146	0.05
II	6-9	80	1,256	0.06	47	1,001	0.05
(Control)	9-12	34	1,232	0.03	57	994	0.06
	12-15	63	1,487	0.04	34	1,129	0.02
	15-18	32	1,350	0.02	30	1,095	0.02
	18-21	17	1,883	0.01	25	1,560	0.02
	21-24	- 74	1,265	-	- 10	1,061	-
	Total	665	11,836	0.05	426	9,265	0.05

TABLE IX (Continued)

AVERAGE WEIGHT GAIN, FOOD CONSUMPTION, AND FOOD EFFICIENCY DATA CALCULATED ON A QUARTERLY BASIS, OF MALE AND FEMALE RATS FED VARIOUS LEVELS OF FREON® 12

		MALES			FEMALES		
Group	Months on Test	Weight Gain (gm)	Food Consumption (gm)	Food Efficiency	Weight Gain (gm)	Food Consumption (gm)	Food Efficiency
	0-3	396	1,790	0.22	174	1,222	0.14
	3-6	106	1,468	0.07	63	1,105	0.05
III	6-9	68	1,242	0.006	44	935	0.04
Low	9-12	40	1,182	0.03	40	971	0.04
Level	12-15	62	1,391	0.04	30	1,121	0.03
Freon® 12	15-18	29	1,227	0.02	40	1,064	0.04
	18-21	42	1,656	0.03	36	1,503	0.03
	21-24	26	1,238	0.02	8	1,153	0.01
	Total	769	11,194	0.07	435	9,074	0.05
	0-3	355	1,742	0.20	160	1,203	0.13
	3-6	104	1,398	0.07	48	1,069	0.04
IV	6-9	65	1,189	0.06	34	880	0.04
High	9-12	33	1,176	0.03	35	931	0.04
Level	12-15	53	1,408	0.04	8	1,110	0.01
Freon® 12	15-18	40	1,271	0.03	22	994	0.02
	18-21	29	1,812	0.02	33	1,432	0.02
	21-24	- 13	1,233	-	- 13	1,074	-
	Total	666	11,229	0.06	327	8,693	0.04

TABLE X

MORTALITY TABLE OF RATS DOSED VARIOUS LEVELS OF FREON® 12

(50 Males and 50 Females Per Group)

		Males				Females			
Group*	Dietary Freon® 12 Level	Killed by Design	Killed in Extremis	Found Dead	Survived 2 Years	Killed by Design	Killed in Extremis	Found Dead	Survived 2 Years
I + II	Control	6	11	13	20	6	16	10	18
III + IV	Control	6	8	19	17	6	8	12	24
V + VI	Low Level	6	9	7	28	6	13	9	22
VII + VIII	High Level	6	6	14	24	6	19	5	20

* Computer groupings.

TABLE XI

MEAN AGE IN DAYS, AT DEATH OR SACRIFICE OF RATS DOSED VARIOUS LEVELS OF FREON® 12

Group*	Dietary Level	Males	Females
I + II	Control	642	631
III + IV	Control	590	616
V + VI	Low Level	677	675
VII + VIII	High Level	647	671

* Computer groupings.

TABLE XII

SUMMARY OF HEMATOLOGIC MEASUREMENTS ON MALE RATS ADMINISTERED FREON® 12 FOR TWO YEARS

	Freon® 12 mg/kg	MONTHS ON TEST 1	3	6	9	12	18	24
Erythrocytes $x10^6/mm^3$	0	6.54	5.56	5.93	5.56	6.37	7.24	6.02
	0	6.64	5.42	6.19	5.72	6.27	7.01	5.68
	Low	6.28	5.55	5.42	5.60	6.23	6.82	6.20
	High	6.76	5.62	6.11	5.50	6.49	7.07	6.24
Hemoglobin g/100	0	15.1	16.0	16.2	16.2	16.4	15.0	14.3
	0	15.1	15.2	16.5	16.1	16.7	15.5	14.5
	Low	14.6	15.7	16.1	16.3	159	15.4	15.4
	High	15.5	16.4	16.7	16.2	16.4	15.4	15.0
Hematocrit %	0	43	46	47	45	45	43	46
	0	44	43	48	45	46	44	45
	Low	42	44	46	47	44	44	47
	High	45	46	47	45	46	44	46
Leucocytes $x10^3/mm^3$	0	14.7	11.2	12.1	12.9	12.1	12.2	17.2
	0	14.0	14.8	10.3	10.4	11.7	12.1	19.3
	Low	17.5	11.9	11.4	11.1	13.3	11.3	19.2
	High	18.3	11.5	11.2	12.1	13.2	12.7	21.4
Segmented Neutrophils %	0	17.3	19.4	22.8	28.3	33.0	26.0	38.5
	0	16.6	19.0	23.8	24.2	29.5	25.9	36.3
	Low	16.4	17.5	19.8	26.7	26.3	26.5	36.4
	High	13.2	16.1	21.0	26.8	27.4	21.7	36.8
Non-segmented Neutrophils %	0	0	0	0	0	0	0.1	0
	0	0	0.1	0	0	0.1	0	0
	Low	0	0	0	0.1	0	0	0
	High	0	0	0	0.1	0	0.1	0

TABLE XII (Continued)

SUMMARY OF HEMATOLOGIC MEASUREMENTS ON MALE RATS ADMINISTERED FREON® 12 FOR TWO YEARS

	Freon® 12 mg/kg	MONTHS ON TEST 1	3	6	9	12	18	24
	0	0	0	0	0	0	0	0
Myelocytes	0	0	0	0	0	0	0	0
%	Low	0	0	0	0	0	0	0
	High	0	0	0	0	0	0	0
	0	80.7	77.7	72.9	67.1	61.9	68.7	58.4
Lymphocytes	0	80.2	77.3	71.7	70.8	65.8	69.1	58.3
%	Low	81.2	81.1	74.0	68.1	68.0	70.7	58.1
	High	84.3	82.7	74.8	68.1	67.0	74.4	57.7
	0	0.8	2.1	3.2	3.8	4.0	4.4	2.1
Eosinophils	0	2.2	2.3	2.9	4.5	3.8	4.5	4.6
%	Low	1.6	1.4	5.2	4.3	4.9	2.2	5.1
	High	1.7	1.0	3.8	4.4	4.4	2.6	5.1
	0	1.0	1.0	1.0	1.0	1.0	0.7	0.9
Basophils	0	1.0	1.0	1.0	1.0	1.0	0.5	0.8
%	Low	1.0	0	1.0	1.0	1.0	0.6	0.4
	High	1.0	0	0	1.0	1.0	1.1	0.4
	0	0	0	0	0	0	0.1	0.1
Monocytes	0	0	0	0	0	0	0	0
%	Low	0	0	0	0	0	0	0
	High	0	0	0	0	0	0.1	0
	0	0	0	0	0	0	0	0
Atypical Cells	0	0	0	0	0	0	0	0
%	Low	0	0	0	0	0	0	0
	High	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Nucleated RBC's	0	0	0	0.1	0	0	0	0
per 100 WBC's	Low	0	0	0	0	0	0	0
	High	0	0	0	0	0	0	0

TABLE XIII

SUMMARY OF HEMATOLOGIC MEASUREMENTS ON FEMALE RATS ADMINISTERED FREON® 12 FOR TWO YEARS

	Freon® 12 mg/kg	MONTHS ON TEST 1	3	6	9	12	18	24
Erythrocytes $x10^6/mm^3$	0	6.76	5.80	5.69	5.81	6.56	7.29	5.66
	0	6.70	6.43	5.56	5.18	6.72	6.77	5.55
	Low	6.94	5.96	5.86	6.09	6.00	7.37	5.94
	High	6.56	6.43	5.60	6.21	6.21	7.02	5.99
Hemoglobin g/100 ml	0	15.1	16.1	15.7	16.0	16.3	15.6	13.7
	0	15.4	16.3	14.9	15.7	16.0	14.7	13.4
	Low	15.2	15.8	15.9	15.9	15.4	15.6	14.0
	High	15.2	16.3	15.8	15.8	15.9	14.9	14.1
Hematocrit %	0	44	43	43	43	43	44	42
	0	45	44	42	43	43	41	42
	Low	44	43	45	44	41	44	44
	High	44	44	44	43	43	41	44
Leucocytes $x10^3/mm^3$	0	13.6	8.5	6.8	7.5	6.4	9.9	16.0
	0	11.1	7.7	5.7	6.3	8.4	6.8	15.7
	Low	12.7	9.0	6.9	6.8	7.3	6.6	15.7
	High	12.5	8.6	6.6	6.5	7.6	8.9	12.2
Segmented Neutrophils %	0	10.0	16.8	24.0	25.6	26.1	26.0	35.4
	0	14.4	18.2	21.3	22.1	30.7	25.4	32.6
	Low	12.4	16.4	19.9	23.0	29.9	23.9	36.0
	High	12.5	15.9	23.2	25.3	28.6	25.9	36.8
Non-segmented Neutrophils %	0	0	0	0.1	0	0	0	0
	0	0	0	0	0	0	0.1	0.1
	Low	0	0.1	0	0	0.1	0	0.1
	High	0	0	0	0.1	0	0	0

TABLE XIII (Continued)

SUMMARY OF HEMATOLOGIC MEASUREMENTS ON FEMALE RATS ADMINISTERED FREON® 12 FOR TWO YEARS

	Freon® 12 mg/kg	MONTHS ON TEST 1	3	6	9	12	18	24
	0	0	0	0	0	0	0	0
Myelocytes	0	0	0	0	0	0	0	0
%	Low	0	0	0	0	0	0	0
	High	0	0	0	0	0	0	0
	0	88.0	80.8	73.0	70.7	69.5	71.7	60.7
Lymphocytes	0	84.0	78.3	74.7	72.3	65.4	69.4	62.6
%	Low	84.9	80.5	76.2	73.2	65.7	70.2	59.9
	High	85.6	81.6	72.4	68.6	67.2	68.7	61.7
	0	1.4	1.6	2.5	2.6	3.7	2.0	3.1
Eosinophils	0	1.1	2.8	3.1	4.6	3.1	4.4	4.1
%	Low	1.9	2.0	3.3	2.6	3.5	5.3	3.1
	High	1.6	1.4	3.2	4.6	3.8	4.5	1.2
	0	1.0	1.0	0	1.0	1.0	0.3	0.6
Basophils	0	1.0	1.0	1.0	1.0	1.0	0.7	0.5
%	Low	1.0	1.0	1.0	1.0	1.0	0.5	0.8
	High	0.3	1.0	1.0	1.0	0	0.9	0.2
	0	0	0	0	1.0	0	0	0.2
Monocytes	0	0	0	0.1	0	0	0	0.1
%	Low	0.1	0	0	0	0	0.1	0.1
	High	0	0	0.1	0	0	0	0.1
	0	0	0	0	0	0	0	0
Atypical Cells	0	0	0	0	0	0	0	0
%	Low	0	0	0	0	0	0	0
	High	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Nucleated RBC's	0	0	0	0	0	0	0	0
per 100 WBC's	Low	0	0	0	0	0	0	0
	High	0	0	0	0	0	0	0

TABLE XIV

SUMMARY OF URINALYSIS DATA ON MALE RATS ADMINISTERED FREON® 12 FOR TWO YEARS

	Freon® 12 mg/kg	Months on Test 1	3	6	9	12	18	24
	0	13.7	15	14	12	9	13	10
Volume	0	13	13	15	13	14	14	11
ml/24 hrs.	Low	15.2	14	13	13	13	9	12
	High	13.0	16	12	14	13	12	12
	0	1984	2086	1974	1941	2210	1630	1426
Osmolality	0	2220	2068	1929	1992	1777	1596	1305
mOs/L	Low	1934	1903	1895	1901	1921	1943	1658
	High	2067	1958	1756	1787	1597	1822	1549
	0	73	107	113	157	189	126	153
Creatinine	0	81	125	117	136	154	120	121
mg/100 ml	Low	72	106	110	136	126	148	107
	High	76	108	121	130	127	157	112
	0	0	0	0	0	0	1	0
Blood	0	0	0	0	1	1	1	1
Number positive	Low	0	0	0	0	0	1	1
	High	0	0	0	1	0	1	0
	0	0	0	0	0	0	0	0
Sugar	0	0	0	0	0	0	0	0
Number abnormal	Low	0	0	0	0	0	0	0
	High	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
Bilirubin	0	0	0	0	0	0	0	0
Number positive	Low	0	0	0	0	0	0	0
	High	0	0	0	0	0	0	0
	0	0.1	0.1	0.1	0.1	0.1	0.4	1.0
Urobilinogen	0	0.1	0.1	0.9	0.1	0.1	1.0	1.0
Ehrlich's Units	Low	0.1	0.1	0.1	0.1	0.1	1.0	1.0
	High	0.1	0.1	0.9	0.1	0.1	0.6	1.0
	0	0	0	2	3	0	6	7
Protein	0	0	0	1	2	0	5	7
Number abnormal	Low	0	0	3	4	3	3	5
	High	0	0	4	2	2	8	8

TABLE XIV (Continued)

SUMMARY OF URINALYSIS DATA ON MALE RATS ADMINISTERED FREON® 12 FOR TWO YEARS

	Freon® 12 mg/kg	Months on Test 1	3	6	9	12	18	24
Erythrocytes per hpf	0	0	0	0	0	0	0[b]	0
	0	0	0	0	0[a]	0[b]	0[b]	0[b]
	Low	0	0	0	0	0	0[b]	0[a]
	High	0	0	0	0[b]	0	0[b]	0
Leucocytes per hpf	0	0-1	0	0-2	0-1	0	0	0
	0	0-1	0	0-2	0-1	0-1	0-1	0-1
	Low	0-1	0	0-1	0-1	0-1	0	0
	High	0	0-1	0-1	0-3	0-2	0	0-2
Epithelial Cells per hpf	0	0	0	0	0-1	0	0	0
	0	0	0	0	0	0-1	0-1	0
	Low	0-1	0	0	0-1	0-1	0-1	0
	High	0	0	0	0-1	0-1	0	0-1
Bacteria	0	1+	1+	2+	3+	2+	2+	3+
	0	1+	1+	3+	2+	3+	3+	3+
	Low	1+	1+	2+	3+	3+	3+	2+
	High	1+	1+	3+	3+	3+	3+	3+
Casts per lpf	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	Low	0	0	0	0	0	0	0-1
	High	0	0	0	0	0	0	0
Urine Fluoride µg/24 hrs.	0	67	80	80	74	49	63	64
	0	70	69	78	68	55	61	48
	Low	66	74	65	81	50	48	71
	High	71	80	63	85	52	54	83
Urine Fluoride µg/ml	0	5.0	5.4	6.1	6.9	6.3	4.4	6.9
	0	5.5	5.5	5.9	5.9	4.6	3.9	5.1
	Low	4.5	5.5	5.3	6.4	4.1	5.3	6.6
	High	5.5	5.3	5.7	6.4	4.1	5.1	7.2
Urine Fluoride µg/mg creatinine	0	7.2	5.0	5.5	4.5	3.3	3.8	5.2
	0	7.0	4.3	4.9	4.3	2.9	3.4	4.1
	Low	6.7	5.2	4.8	4.9	3.2	3.7	6.5
	High	7.6	5.1	4.5	5.1	3.2	3.4	6.8

a: 1/10 with positive test for blood examined separately.
b: 1/10 hematuria.

TABLE XV

SUMMARY OF URINALYSIS DATA ON FEMALE RATS ADMINISTERED FREON® 12 FOR TWO YEARS

	Freon® 12 mg/kg	Months on Test 1	3	6	9	12	18	24
	0	8	12	10	15	8	14	16
Volume	0	10	11	8	12	8	8	10
ml/24 hrs.	Low	12	9	11	10	14	11	12
	High	10	11	10	13	12	11	10
	0	1929	1641	1798	1461	1765	1401	1405
Osmolality	0	1857	1704	2105	1476	1743	1610	1314
mOs/L	Low	1510	2080	1478	1744	1547	1395	1322
	High	1862	1549	1415	1517	1417	1508	1256
	0	74	77	84	75	132	89	74
Creatinine	0	68	69	106	80	80	124	98
mg/100 ml	Low	53	82	76	89	99	102	71
	High	64	79	79	89	108	120	86
	0	0	0	0	0	2	1	0
Blood	0	0	0	1	0	1	0	0
Number positive	Low	0	0	0	0	0	0	0
	High	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	2
Sugar	0	0	0	0	0	0	0	0
Number abnormal	Low	0	0	0	0	0	0	2
	High	0	0	0	0	0	1	1
	0	0	0	0	0	0	0	0
Bilirubin	0	0	0	0	0	0	1	3
Number positive	Low	0	0	0	0	0	0	0
	High	0	0	0	0	0	0	0
	0	0.1	0.1	0.1	0.1	1.0	1.0	1.0
Urobilinogen	0	0.1	0.1	0.1	0.1	1.0	1.3	1.0
Ehrlich's units	Low	0.1	0.1	0.1	0.1	1.0	1.0	1.0
	High	0.1	0.1	0.	0.1	1.0	1.0	1.0
	0	0	0	1	0	1	2	3
Protein	0	0	0	1	0	1	1	3
Number abnormal	Low	0	0	0	0	0	1	3
	High	0	0	0	0	0	2	1

TABLE XV (Continued)

SUMMARY OF URINALYSIS DATA ON FEMALE RATS ADMINISTERED FREON® 12 FOR TWO YEARS

	Freon® 12 mg/kg	Months on Test 1	3	6	9	12	18	24
	0	0	0	0	0	0-1	0[b]	0
Erythrocytes	0	0	0	0[a]	0	0[b]	0	0
per hpf	Low	0	0	0	0	0	0	0
	High	0	0	0	0	0	0	0
	0	0-2	0	0-1	0-2	0-3	0-1	0
Leucocytes	0	0-1	0	0-1	0-1	0-1	0-1	0
per hpf	Low	0-1	0	0	0-1	0-1	0-2	0
	High	0-1	0-3	0-1	0-1	0-2	0-1	0
	0	0-1	0	0	0-1	0-1	0	0
Epithelial Cells	0	0-1	0	0	0	0	0-1	0-1
per hpf	Low	0-1	0	0-1	0-1	0-1	0	0-1
	High	0	0	0-1	0-1	0-1	0-1	0
	0	1+	2+	1+	3+	4+	2+	4+
Bacteria	0	1+	1+	2+	1+	1+	2+	3+
	Low	2+	2+	3+	2+	2+	3+	3+
	High	1+	2+	2+	3+	3+	2+	3+
	0	0	0	0	0	0	0	0
Casts	0	0	0	0	0	0	0	0
per lpf	Low	0	0	0	0	0	0	0
	High	1	0	0	0	0	0	0
	0	47	43	54	49	43	60	90
Urine Fluoride	0	52	48	51	43	46	38	79
µg/24 hrs.	Low	53	45	50	47	57	53	78
	High	49	47	42	57	51	54	60
	0	6.3	4.0	5.7	3.7	6.0	4.2	6.4
Urine Fluoride	0	5.8	4.3	7.4	4.1	6.2	4.6	6.2
µg/ml	Low	4.6	5.1	4.6	5.0	5.0	4.5	6.2
	High	5.2	4.3	4.7	4.2	4.3	4.8	5.4
	0	8.9	5.6	7.2	4.8	4.7	5.2	8.6
Urine Fluoride	0	9.2	6.7	7.1	5.2	5.2	4.4	8.1
µg/mg creatinine	Low	9.6	5.8	6.7	5.6	4.9	5.6	8.9
	High	9.0	5.9	6.2	5.9	4.3	5.2	6.7

a: 1/10 with positive test for blood examined separately.

b: 1/10 hematuria.

TABLE XVI

SUMMARY OF BIOCHEMICAL MEASUREMENTS ON RATS ADMINISTERED FREON® 12 FOR TWO YEARS

MALE

	Freon® 12 mg/kg	Months on Test 1	3	6	9	12	18	24
Alkaline Phosphatase Bessey units	0	28.8	19.0	22.7	15.8	18.8	10.7	19.9
	0	27.0	22.9	25.6	15.4	15.8	9.2	12.9
	Low	23.4	18.1	20.5	16.6	17.7	11.6	18.6
	High	16.5	22.1	18.9	12.6	14.0	9.9	12.3
Transaminase Units	0	24	23	9	8	15	22	15
	0	24	23	11	9	16	13	14
	Low	25	24	6	14	16	13	13
	High	26	24	7	13	20	15	15
Bilirubin mg %	0	0.6	0.3	1.1	0.5	0.6	1.9	0.4
	0	0.4	0.3	1.4	0.6	0.7	4.1	0.4
	Low	0.5	0.3	1.0	0.5	0.6	6.8	0.4
	High	0.5	0.1	1.5	0.3	0.7	0.9	0.4

FEMALE

Alkaline Phosphatase Bessey units	0	24.6	19.7	28.7	18.5	22.8	8.4	13.2
	0	29.2	20.2	20.2	18.3	16.4	6.6	10.8
	Low	26.1	16.0	21.8	21.1	22.7	6.8	12.0
	High	25.8	25.4	16.1	13.9	23.2	7.5	7.8
Transaminase Units	0	21	26	10	8	18	13	19
	0	20	27	11	14	17	18	16
	Low	18	26	12	15	14	13	12
	High	18	27	13	15	18	12	13
Bilirubin mg %	0	0.2	0.2	0.9	0.7	1.9	0.7	0.6
	0	0.2	0.1	0.8	0.6	1.8	0.7	0.4
	Low	0.2	0.1	0.7	0.6	1.3	0.5	0.4
	High	0.3	0.1	0.3	0.7	1.1	0.6	0.5

TABLE XVII

FLUORIDE CONCENTRATION IN THE DRY, FAT-FREE FEMUR OF RATS ADMINISTERED FREON® 12 FOR TWO YEARS

	One Year			Two Year		
Freon® 12 mg/kg	Number Rats	% F Mean	% F Range	Number Rats	% F Mean	% F Range
MALE						
0	6	0.027	0.019-0.033	10	0.158	0.009-0.571
0	6	0.032	0.018-0.055	10	0.136	0.017-0.276
Low Level	6	0.024	0.016-0.031	10	0.213	0.079-0.472
High Level	6	0.045	0.029-0.069	10	0.175	0.034-0.411
FEMALE						
0	6	0.037	0.026-0.049	10	0.081	0.038-0.175
0	6	0.023	0.020-0.027	10	0.057	0.023-0.123
Low Level	6	0.034	0.019-0.043	10	0.068	0.009-0.230
High Level	6	0.046	0.027-0.061	10	0.066	0.028-0.258

TABLE XVIII

SUMMARY OF RESIDUAL FREON® 12 ANALYSES IN TISSUES OF RATS

ppm* Freon® 12

	Year	MALE mg administered 0	MALE mg administered 0	MALE mg administered Low	MALE mg administered High	FEMALE mg administered 0	FEMALE mg administered 0	FEMALE mg administered Low	FEMALE mg administered High
Adrenals	1	< 0.06	< 0.04	< 0.04	< 0.06	< 0.07	< 0.06	< 0.04	< 0.04
	2	1.22	0.35	2.11	1.34	0.68	0.67	1.38	1.64
Blood	1	< 0.01	< 0.01	< 0.01	< 0.04	< 0.01	< 0.01	< 0.01	< 0.01
	2	< 0.04	< 0.04	< 0.05	< 0.05	< 0.04	< 0.04	< 0.05	< 0.05
Bone Marrow	1	0.05	< 0.03	< 0.03	< 0.03	0.11	< 0.06	< 0.04	0.07
	2	< 0.01	0.49	0.74	0.56	< 0.01	1.70	0.71	1.70
Brain	1	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
	2	< 0.06	< 0.06	< 0.10	< 0.12	< 0.06	< 0.10	< 0.10	< 0.12
Fat	1	< 0.01	< 0.01	0.13	2.28	< 0.01	< 0.01	0.11	1.15
	2	< 0.02	< 0.01	0.17	0.86	< 0.02	< 0.01	0.04	0.71
Heart	1	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02	< 0.02
	2	< 0.02	< 0.02	< 0.02	< 0.02	< 0.01	< 0.01	< 0.02	< 0.01
Kidney	1	< 0.02	< 0.02	< 0.02	< 0.02	< 0.03	< 0.03	< 0.03	< 0.03
	2	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Liver	1	< 0.01	< 0.01	< 0.01	0.05	< 0.01	< 0.01	< 0.01	< 0.01
	2	< 0.01	< 0.01	< 0.01	0.02	< 0.01	< 0.01	< 0.01	< 0.01
Muscle	1	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03
	2	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

* ppm = μg/ml blood or μg/g wet tissue.

TABLE XIX

SUMMARY OF ORGAN WEIGHTS OF MALE RATS SACRIFICED AT ONE YEAR DOSED VARIOUS LEVELS OF FREON® 12

	I Control		III Control		V Low Level Freon® 12		VII High Level Freon® 12	
	Avg. Wt. in gm	% of Body Wt.	Avg. Wt. in gm	% of Body Wt.	Avg. Wt. in gm	% of Body Wt.	Avg. Wt. in gm	% of Body Wt.
Body Weight	684	-	704	-	666	-	740	-
Brain	2.60	0.38	2.29	0.33	2.25	0.34	2.29	0.31
Heart	1.99	0.29	1.59	0.23	1.70	0.26	1.64	0.22
Lung	3.48	0.51	3.44	0.49	2.83	0.42	3.97	0.54
Liver	16.84	2.46	18.09	2.57	23.75	3.57	18.38	2.48
Spleen	1.02	0.15	0.96	0.14	3.91	0.59	0.97	0.13
Kidney	3.97	0.58	3.89	0.55	3.44	0.52	3.79	0.51
Testis	4.28	0.63	3.40	0.48	3.38	0.51	3.82	0.52
Stomach	2.88	0.42	2.43	0.35	2.34	0.35	2.50	0.34
Adrenal	0.065	0.010	0.063	0.009	0.072	0.011	0.056	0.008
Pituitary	0.013	0.002	0.014	0.002	0.014	0.002	0.013	0.002
No. of Animals	6		6		6		6	

TABLE XX

SUMMARY OF ORGAN WEIGHTS OF MALE RATS SACRIFICED AT TWO YEARS DOSED VARIOUS LEVELS OF FREON® 12

	I Control		III Control		V Low Level Freon® 12		VII High Level Freon® 12	
	Avg. Wt. in gm	% of Body Wt.	Avg. Wt. in gm	% of Body Wt.	Avg. Wt. in gm	% of Body Wt.	Avg. Wt. in gm	% of Body Wt.
Body Weight	806	-	829	-	956	-	733	-
Brain	2.39	0.30	2.73	0.33	2.41	0.25	2.51	0.32
Heart	2.00	0.25	2.02	0.24	1.85	0.19	2.15	0.33
Lung	3.11	0.39	3.85	0.46	3.22	0.34	3.35	0.54
Liver	22.40	2.78	21.42	2.58	21.50	2.25	21.92	2.84
Spleen	1.08	0.13	1.09	0.13	0.99	0.10	1.19	0.15
Kidney	5.19	0.64	5.59	0.67	4.32	0.77	5.13	0.66
Testis	3.57	0.44	3.71	0.45	3.74	0.39	3.63	0.47
Stomach	3.62	0.45	2.93	0.35	2.94	0.31	3.00	0.39
Adrenal	0.080	0.010	0.084	0.010	0.079	0.008	0.092	0.012
Pituitary	0.020	0.003	0.016	0.002	0.016	0.002	0.033	0.005
Thymus	0.69	0.086	0.69	0.083	0.080	0.084	0.82	0.11
No. of Animals	20		17		28		24	

TABLE XXI

SUMMARY OF ORGAN WEIGHTS OF FEMALE RATS SACRIFICED AT ONE YEAR DOSED VARIOUS LEVELS OF FREON® 12

	II Control		IV Control		VI Low Level Freon® 12		VIII High Level Freon® 12	
	Avg. Wt. in gm	% of Body Wt.	Avg. Wt. in gm	% of Body Wt.	Avg. Wt. in gm	% of Body Wt.	Avg. Wt. in gm	% of Body Wt.
Body Weight	428	-	517	-	479	-	427	-
Brain	2.16	0.51	2.08	0.40	2.11	0.44	2.14	0.50
Heart	1.15	0.27	1.21	0.24	1.38	0.29	1.14	0.27
Lung	2.12	0.50	2.12	0.41	2.22	0.46	2.08	0.49
Liver	11.94	2.79	14.46	2.80	14.91	3.11	12.19	2.85
Spleen	0.79	0.18	0.74	0.14	0.95	0.20	0.71	0.17
Kidney	2.47	0.58	2.52	0.49	1.23	0.26	2.30	0.54
Stomach	1.92	0.45	1.96	0.38	2.33	0.49	2.07	0.48
Adrenal	0.060	0.014	0.063	0.012	0.067	0.014	0.065	0.015
Pituitary	0.020	0.005	0.049	0.010	0.019	0.004	0.020	0.005
No. of Animals	6		6		6		6	

TABLE XXII

SUMMARY OF ORGAN WEIGHTS OF FEMALE RATS SACRIFICED AT TWO YEARS DOSED VARIOUS LEVELS OF FREON® 12

	II Control		IV Control		VI Low Level Freon® 12		VIII High Level Freon® 12	
	Avg. Wt. in gm	% of Body Wt.	Avg. Wt. in gm	% of Body Wt.	Avg. Wt. in gm	% of Body Wt.	Avg. Wt. in gm	% of Body Wt.
Body Weight	586	-	550	-	555	-	471	-
Brain	2.16	0.37	2.27	0.41	2.17	0.39	2.19	0.46
Heart	1.52	0.26	1.50	0.27	1.34	0.24	1.30	0.28
Lung	2.34	0.40	2.38	0.43	2.34	0.42	2.45	0.52
Liver	18.65	3.18	18.07	3.29	17.01	3.07	16.29	3.46
Spleen	1.07	0.18	1.28	0.23	0.81	0.15	0.69	0.15
Kidney	3.80	0.65	2.30	0.55	3.40	0.61	3.17	0.67
Stomach	2.38	0.41	2.34	0.43	2.53	0.46	2.20	0.47
Adrenal	0.14	0.024	0.12	0.021	0.108	0.20	0.096	0.021
Pituitary	0.059	0.010	0.077	0.014	0.058	0.011	0.040	0.009
Thymus	0.61	0.105	0.70	0.127	0.59	0.107	0.54	0.116
No. of Animals	18		24		22		20	

HISTOPATHOLOGY REPORT

TABLE XXIII

HASKELL # - 6966 TEST # - 36 MR. # - 1388001

JANUARY 30, 1974

COMPOUND - FREON-12

ANIMAL #	4292	4265	4267	4285	4275	4278	4261	4279	4264	4274	4260	4256	4356	4348	4393	4387
GROUP #	01	01	01	01	01	01	01	01	01	01	01	01	03	03	03	03
TREATMENT DAYS	167	176	242	300	313	372	372	372	372	372	372	381	90	100	198	222
POST-TREATMENT DAYS																
DIET/DOSE VALUE	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
INITIAL WEIGHT	118	146	54	49	50	116	123	125	131	133	137	110	141	158	72	58
LOW WEIGHT																
FINAL WEIGHT	623	708	565	594	720	679	763	662	537	751	714	731	507	497	371	695
SEX	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
DIED/SACRIFICED	D	D	D	D	D	S	S	S	S	S	S	D	D	D	S	D
EYE NORMAL MORPHOLOGIC STRUCTURES		0				0	0	0	0	0	0					
EYE NO TISSUE SAVED																
EYE TISSUE NOT EXAMINED				X								X			X	
EYE AUTOLYSIS	+++		+++		+++								+++	+++		+++
LACRIMAL GLAND NORMAL MORPHOLOGIC STRUCTURES		0				0	0		0	0	0	0				
LACRIMAL GLAND NO TISSUE SAVED																
LACRIMAL GLAND TISSUE NOT EXAMINED				X											X	
LACRIMAL GLAND AUTOLYSIS	+++		+++		+++								+++	+++		+++
LACRIMAL GLAND METAPLASIA								+								
BRAIN NORMAL MORPHOLOGIC STRUCTURES		0				0	0	0	0	0	0					
BRAIN NO TISSUE SAVED																
BRAIN TISSUE NOT EXAMINED				X								X			X	
BRAIN AUTOLYSIS	+++		+++		+++								+++	+++		+++
BRAIN RETICULUM CELL SARCOMA																
CERVICAL SPINAL CORD, NOS NORMAL MORPHOLOGIC STRUCTURES		0				0	0	0	0	0	0					
CERVICAL SPINAL CORD, NOS NO TISSUE SAVED																
CERVICAL SPINAL CORD, NOS TISSUE NOT EXAMINED				X								X			X	
CERVICAL SPINAL CORD, NOS AUTOLYSIS	+++		+++		+++								+++	+++		+++
SCIATIC NERVE NORMAL MORPHOLOGIC STRUCTURES		0				0	0	0	0	0	0					
SCIATIC NERVE NO TISSUE SAVED																
SCIATIC NERVE TISSUE NOT EXAMINED				X								X			X	
SCIATIC NERVE AUTOLYSIS	X		+++		+++								+++	+++		X
SKIN NORMAL MORPHOLOGIC STRUCTURES							0	0	0							
SKIN NO TISSUE SAVED											X					
SKIN TISSUE NOT EXAMINED				X		X				X	X	X			X	
SKIN ABSCESS, CHRONIC		+++														
SKIN GRANULOMA	+++															
SKIN AUTOLYSIS			+++		+++								+++	+++		+++
SKIN FIBROSARCOMA, NOS																
MAMMARY GLAND NORMAL MORPHOLOGIC STRUCTURES																
MAMMARY GLAND NO TISSUE SAVED											X					
MAMMARY GLAND TISSUE NOT EXAMINED		X		X		X	X	X	X	X	X	X			X	
MAMMARY GLAND GRANULOMA																
MAMMARY GLAND AUTOLYSIS	+++		+++		+++								+++	+++		+++

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COMPOUND - FREON-12

ANIMAL #	4292	4265	4267	4285	4275	4278	4261	4279	4264	4274	4260	4256	4356	4348	4393	4387
MAMMARY GLAND ADENOCARCINOMA, NOS																
MAMMARY GLAND FIBROMA, NOS																
MAMMARY GLAND FIBROADENOMA, NOS																
BONE MARROW NORMAL MORPHOLOGIC STRUCTURES		0				0	0	0	0	0	0	0				
BONE MARROW NO TISSUE SAVED																
BONE MARROW TISSUE NOT EXAMINED															X	
BONE MARROW AUTOLYSIS	+++		+++		+++								+++	+++		+++
BONE MARROW HYPOPLASTIC BONE MARROW																
BONE MARROW LEUKEMIA, GRANULOCYTIC, NOS				X												
SPLEEN NORMAL MORPHOLOGIC STRUCTURES		0				0	0	0	0	0	0	0				
SPLEEN NO TISSUE SAVED																
SPLEEN TISSUE NOT EXAMINED															X	
SPLEEN AUTOLYSIS	+++		+++		+++								+++	+++		+++
SPLEEN HEMATOPOIESIS, EXTRAMEDULLARY																
SPLEEN LEUKEMIA, GRANULOCYTIC, NOS				X												
LYMPH NODE NORMAL MORPHOLOGIC STRUCTURES		0				0	0	0	0	0	0	0				
LYMPH NODE NO TISSUE SAVED																
LYMPH NODE TISSUE NOT EXAMINED				X											X	
LYMPH NODE AUTOLYSIS	+++		+++		+++								+++	+++		+++
LYMPH NODE LYMPHOID HYPERPLASIA																
LYMPH NODE MYELOGENOUS LEUKEMIA, NOS																
BONE NORMAL MORPHOLOGIC STRUCTURES		0				0	0	0	0	0	0	0				
BONE NO TISSUE SAVED																
BONE TISSUE NOT EXAMINED				X											X	
BONE AUTOLYSIS	+++		+++		+++								+++	+++		+++
SKELETAL MUSCLE NORMAL MORPHOLOGIC STRUCTURES		0				0	0	0	0	0	0	0				
SKELETAL MUSCLE NO TISSUE SAVED																
SKELETAL MUSCLE TISSUE NOT EXAMINED				X											X	
SKELETAL MUSCLE AUTOLYSIS	+++		+++		+++								+++	+++		+++
SKELETAL MUSCLE MYELOGENOUS LEUKEMIA, NOS																
TRACHEA NORMAL MORPHOLOGIC STRUCTURES		0		0		0	0	0	0	0	0	0				
TRACHEA NO TISSUE SAVED																
TRACHEA TISSUE NOT EXAMINED															X	
TRACHEA TRACHEITIS																
TRACHEA LIPOGRANULOMA																
TRACHEA AUTOLYSIS	+++		+++		+++								+++	+++		+++
LUNG NORMAL MORPHOLOGIC STRUCTURES		0							0		0					
LUNG TISSUE NOT EXAMINED																
LUNG RUPTURE, NOS																
LUNG PULMONARY EMPHYSEMA																

HASKELL # - 6966 TEST # - 36 MR. # - 1388001 JANUARY 30, 1974
COMPOUND - FREON-12

ANIMAL #	4292	4265	4267	4285	4275	4278	4261	4279	4264	4274	4260	4256	4356	4348	4393	4387
LUNG ATELECTASIS																
LUNG EDEMA, NOS															+++	
LUNG HEMORRHAGE, NOS																
LUNG INFLAMMATION, FOCAL, NOS						+	++	+		++						
LUNG INFLAMMATION, MULTIFOCAL																
LUNG PNEUMONIA, DIFFUSE			+++		+++											
LUNG PNEUMONIA, LIPID																
LUNG ABSCESS, CHRONIC												+++				
LUNG LIPOGRANULOMA																
LUNG FOREIGN BODY REACTION																
LUNG FIBROSIS FOCAL																
LUNG AUTOLYSIS	+++												+++	+++		+++
LUNG LYMPHOID HYPERPLASIA																
LUNG CHONDROSARCOMA																
LUNG MYELOGENOUS LEUKEMIA, NOS				X												
PLEURA NORMAL MORPHOLOGIC STRUCTURES		0				0	0	0	0	0	0	0				
PLEURA NO TISSUE SAVED																
PLEURA TISSUE NOT EXAMINED				X												
PLEURA INFLAMMATION, ACUTE FIBRINOUS																
PLEURA GRANULOMA															++	
PLEURA LIPOGRANULOMA																
PLEURA AUTOLYSIS	+++		+++		+++								+++	+++		+++
PLEURA CHONDROSARCOMA																
HEART NORMAL MORPHOLOGIC STRUCTURES		0		0		0	0	0	0	0	0	0				
HEART NO TISSUE SAVED																
HEART TISSUE NOT EXAMINED															X	
HEART AUTOLYSIS	+++		+++		+++								+++	+++		+++
AORTA NORMAL MORPHOLOGIC STRUCTURES		0				0	0	0	0	0	0	0				
AORTA NO TISSUE SAVED																
AORTA TISSUE NOT EXAMINED				X											X	
AORTA AUTOLYSIS	+++		+++		+++								+++	+++		+++
SALIVARY GLAND NORMAL MORPHOLOGIC STRUCTURES		0				0	0	0	0	0	0					
SALIVARY GLAND NO TISSUE SAVED																
SALIVARY GLAND TISSUE NOT EXAMINED				X								X			X	
SALIVARY GLAND AUTOLYSIS	+++		+++		+++								+++	+++		+++
LIVER NORMAL MORPHOLOGIC STRUCTURES									0	0					0	
LIVER NO TISSUE SAVED																
LIVER HEPATITIS, NOS							+				+					
LIVER NECROSIS, FOCAL																
LIVER AUTOLYSIS	+++		+++		+++								+++	+++		+++

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ANIMAL #	4292	4265	4267	4285	4275	4278	4261	4279	4264	4274	4260	4256	4356	4348	4393	4387
LIVER FATTY CHANGE		+				+	++	++			+	+				
LIVER HEMATOPOIESIS, EXTRAMEDULLARY																
LIVER CHONDROSARCOMA																
LIVER MYELOGENOUS LEUKEMIA, NOS				X												
PANCREAS EXCEPT ISLETS NORMAL MORPHOLOGIC STRUCTURES		0				0	0	0	0	0	0					
PANCREAS EXCEPT ISLETS NO TISSUE SAVED																
PANCREAS EXCEPT ISLETS TISSUE NOT EXAMINED				X								X			X	
PANCREAS EXCEPT ISLETS GRANULOMA																
PANCREAS EXCEPT ISLETS AUTOLYSIS	+++		+++		+++								+++	+++		+++
TONSIL AND ADENOID AUTOLYSIS													+++			
ESOPHAGUS NORMAL MORPHOLOGIC STRUCTURES						0	0	0	0	0	0					
ESOPHAGUS NO TISSUE SAVED																
ESOPHAGUS TISSUE NOT EXAMINED				X								X			X	
ESOPHAGUS RUPTURE, NOS		+														
ESOPHAGUS GRANULOMA		+														
ESOPHAGUS LIPOGRANULOMA																
ESOPHAGUS EROSION																
ESOPHAGUS EROSIVE ESOPHAGITIS																
ESOPHAGUS AUTOLYSIS	+++		+++		+++								+++	+++		+++
ESOPHAGUS FATTY CHANGE																
STOMACH NORMAL MORPHOLOGIC STRUCTURES		0				0	0	0	0	0	0					
STOMACH NO TISSUE SAVED																
STOMACH TISSUE NOT EXAMINED				X								X			X	
STOMACH ULCER, CHRONIC																
STOMACH AUTOLYSIS	+++		+++		+++									+++		+++
STOMACH MYELOGENOUS LEUKEMIA, NOS																
DUODENUM NORMAL MORPHOLOGIC STRUCTURES		0				0	0	0	0	0	0	0				
DUODENUM NO TISSUE SAVED																
DUODENUM TISSUE NOT EXAMINED				X											X	
DUODENUM AUTOLYSIS	+++		+++		+++								+++	+++		+++
COLON NORMAL MORPHOLOGIC STRUCTURES		0				0	0	0	0	0	0					
COLON NO TISSUE SAVED																
COLON TISSUE NOT EXAMINED				X								X			X	
COLON AUTOLYSIS	+++		+++		+++								+++	+++		+++
CECUM NORMAL MORPHOLOGIC STRUCTURES		0				0	0	0	0	0	0					
CECUM NO TISSUE SAVED																
CECUM TISSUE NOT EXAMINED				X								X			X	
CECUM AUTOLYSIS	+++		+++		+++								+++	+++		+++
KIDNEY NORMAL MORPHOLOGIC STRUCTURES		0							0		0	0				
KIDNEY NO TISSUE SAVED																

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ANIMAL #	4292	4265	4267	4285	4275	4278	4261	4279	4264	4274	4260	4256	4356	4348	4393	4387
KIDNEY TISSUE NOT EXAMINED															X	
KIDNEY GLOMERULONEPHRITIS, NOS																
KIDNEY GLOMERULONEPHRITIS, FOCAL																
KIDNEY INTERSTITIAL NEPHRITIS						+	+	++		+						
KIDNEY AUTOLYSIS	+++		+++		+++								+++	+++		+++
KIDNEY FATTY CHANGE																
KIDNEY CALCIFICATION, NOS																
KIDNEY HEMATOPOIESIS, EXTRAMEDULLARY																
KIDNEY CHONDROSARCOMA																
KIDNEY MYELOGENOUS LEUKEMIA, NOS				X												
URINARY BLADDER NORMAL MORPHOLOGIC STRUCTURES		0				0	0	0	0	0	0					
URINARY BLADDER NO TISSUE SAVED																
URINARY BLADDER TISSUE NOT EXAMINED				X								X			X	
URINARY BLADDER AUTOLYSIS	+++		+++		+++								+++	+++		+++
URINARY BLADDER CHONDROSARCOMA																
PROSTATE, NOS NORMAL MORPHOLOGIC STRUCTURES		0				0	0	0	0	0	0	0				
PROSTATE, NOS NO TISSUE SAVED																
PROSTATE, NOS TISSUE NOT EXAMINED				X											X	
PROSTATE, NOS INFLAMMATION, CHRONIC, NOS																
PROSTATE, NOS AUTOLYSIS	+++		+++		+++								+++	+++		+++
PROSTATE, NOS CHONDROSARCOMA																
TESTIS NORMAL MORPHOLOGIC STRUCTURES		0		0		0	0	0	0	0	0	0				
TESTIS NO TISSUE SAVED																
TESTIS TISSUE NOT EXAMINED															X	
TESTIS AUTOLYSIS	+++		+++		+++								+++	+++		+++
TESTIS ATROPHY, NOS																
EPIDIDYMIS NORMAL MORPHOLOGIC STRUCTURES		0		0		0	0	0	0	0	0	0				
EPIDIDYMIS NO TISSUE SAVED																
EPIDIDYMIS TISSUE NOT EXAMINED															X	
EPIDIDYMIS AUTOLYSIS	+++		+++		+++								+++	+++		+++
UTERUS, NOS NORMAL MORPHOLOGIC STRUCTURES																
UTERUS, NOS NO TISSUE SAVED																
UTERUS, NOS TISSUE NOT EXAMINED																
UTERUS, NOS AUTOLYSIS																
FALLOPIAN TUBE NORMAL MORPHOLOGIC STRUCTURES																
FALLOPIAN TUBE NO TISSUE SAVED																
FALLOPIAN TUBE TISSUE NOT EXAMINED																
FALLOPIAN TUBE AUTOLYSIS																
OVARY NORMAL MORPHOLOGIC STRUCTURES																
OVARY NO TISSUE SAVED																

HASKELL # - 6966 TEST # - 36 MR. # - 1388001 JANUARY 30, 1974
COMPOUND - FREON-12

ANIMAL #	4292	4265	4267	4285	4275	4278	4261	4279	4264	4274	4260	4256	4356	4348	4393	4387
OVARY TISSUE NOT EXAMINED																
OVARY AUTOLYSIS																
PITUITARY GLAND NORMAL MORPHOLOGIC STRUCTURES		0				0	0	0	0	0	0				0	
PITUITARY GLAND NO TISSUE SAVED																
PITUITARY GLAND TISSUE NOT EXAMINED				X								X				
PITUITARY GLAND AUTOLYSIS	+++		+++		+++								+++	+++		+++
PITUITARY GLAND HYPERPLASIA, NOS																
PITUITARY GLAND ADENOMA, NOS																
ADRENAL GLAND NORMAL MORPHOLOGIC STRUCTURES		0				0	0	0	0	0	0					
ADRENAL GLAND NO TISSUE SAVED																
ADRENAL GLAND TISSUE NOT EXAMINED				X								X			X	
ADRENAL GLAND AUTOLYSIS	+++		+++		+++								+++	+++		+++
ADRENAL GLAND TELANGIECTASIS																
ADRENAL GLAND HEMATOPOIESIS, EXTRAMEDULLARY																
ADRENAL GLAND CHONDROSARCOMA																
THYROID GLAND NORMAL MORPHOLOGIC STRUCTURES				0		0	0				0					
THYROID GLAND NO TISSUE SAVED																
THYROID GLAND TISSUE NOT EXAMINED		X						X	X	X		X			X	
THYROID GLAND AUTOLYSIS	+++		+++		+++								+++	+++		+++
PARATHYROID GLAND NORMAL MORPHOLOGIC STRUCTURES				0		0										
PARATHYROID GLAND NO TISSUE SAVED											X					
PARATHYROID GLAND TISSUE NOT EXAMINED		X					X	X	0	X	X	X			X	
PARATHYROID GLAND AUTOLYSIS	+++		+++		+++								+++	+++		+++
THYMUS NORMAL MORPHOLOGIC STRUCTURES		0				0	0	0	0	0	0	0			0	
THYMUS NO TISSUE SAVED																
THYMUS TISSUE NOT EXAMINED				X												
THYMUS AUTOLYSIS	+++		+++		+++								+++	+++		+++
ISLETS OF LANGERHANS NORMAL MORPHOLOGIC STRUCTURES		0				0	0	0	0	0	0					
ISLETS OF LANGERHANS NO TISSUE SAVED																
ISLETS OF LANGERHANS TISSUE NOT EXAMINED				X								X			X	
ISLETS OF LANGERHANS AUTOLYSIS	+++		+++		+++								+++	+++		+++

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ANIMAL #	4346	4383	4385	4384	4386	4347	4382	4353	4352	4344	4372	4371	4376	4351	4345	4490
GROUP #	03	03	03	03	03	03	03	03	03	03	03	03	03	03	03	05
TREATMENT DAYS	222	325	349	373	373	373	373	373	373	393	409	420	431	469	476	163
POST-TREATMENT DAYS																
DIET/DOSE VALUE	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	35
INITIAL WEIGHT	124	125	110	118	118	124	126	129	146	147	146	155	136	161	155	100
LOW WEIGHT																
FINAL WEIGHT	642	795	743	723	797	646	682	808	566	841	718	812	530	947	811	528
SEX	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
DIED/SACRIFICED	D	D	S	S	S	S	S	S	S	D	D	D	S	D	D	D
EYE NORMAL MORPHOLOGIC STRUCTURES				0	0	0	0	0	0	0	0		0		0	0
EYE NO TISSUE SAVED	X													X		
EYE TISSUE NOT EXAMINED																
EYE AUTOLYSIS		+++	+++									+++				
LACRIMAL GLAND NORMAL MORPHOLOGIC STRUCTURES				0	0	0			0	0	0		0			
LACRIMAL GLAND NO TISSUE SAVED	X													X		
LACRIMAL GLAND TISSUE NOT EXAMINED																X
LACRIMAL GLAND AUTOLYSIS		+++	+++									+++			+++	
LACRIMAL GLAND METAPLASIA							+	+								
BRAIN NORMAL MORPHOLOGIC STRUCTURES				0	0	0	0	0	0	0	0		0		0	0
BRAIN NO TISSUE SAVED	X													X		
BRAIN TISSUE NOT EXAMINED																
BRAIN AUTOLYSIS		+++	+++									+++				
BRAIN RETICULUM CELL SARCOMA																
CERVICAL SPINAL CORD, NOS NORMAL MORPHOLOGIC STRUCTURES				0	0	0	0	0	0	0	0		0		0	0
CERVICAL SPINAL CORD, NOS NO TISSUE SAVED	X													X		
CERVICAL SPINAL CORD, NOS TISSUE NOT EXAMINED																
CERVICAL SPINAL CORD, NOS AUTOLYSIS		+++	+++									+++				
SCIATIC NERVE NORMAL MORPHOLOGIC STRUCTURES				0	0	0	0	0	0	0	0		0		0	0
SCIATIC NERVE NO TISSUE SAVED	X													X		
SCIATIC NERVE TISSUE NOT EXAMINED																
SCIATIC NERVE AUTOLYSIS		+++	+++									+++				
SKIN NORMAL MORPHOLOGIC STRUCTURES				0	0	0	0	0	0		0					
SKIN NO TISSUE SAVED	X									X				X	X	
SKIN TISSUE NOT EXAMINED			X													X
SKIN ABSCESS, CHRONIC																
SKIN GRANULOMA																
SKIN AUTOLYSIS		+++										+++				
SKIN FIBROSARCOMA, NOS													X			
MAMMARY GLAND NORMAL MORPHOLOGIC STRUCTURES								0	0		0		0			
MAMMARY GLAND NO TISSUE SAVED	X									X				X	X	
MAMMARY GLAND TISSUE NOT EXAMINED			X	X		X	X									X
MAMMARY GLAND GRANULOMA																
MAMMARY GLAND AUTOLYSIS		+++										+++				

HASKELL # - 6966 TEST # - 36 MR. # - 1388001 JANUARY 30, 1974
COMPOUND - FREON-12

ANIMAL #	4346	4383	4385	4384	4386	4347	4382	4353	4352	4344	4372	4371	4376	4351	4345	4490
MAMMARY GLAND ADENOCARCINOMA, NOS																
MAMMARY GLAND FIBROMA, NOS					X											
MAMMARY GLAND FIBROADENOMA, NOS																
BONE MARROW NORMAL MORPHOLOGIC STRUCTURES				0	0	0	0	0	0	0	0		0		0	0
BONE MARROW NO TISSUE SAVED	X													X		
BONE MARROW TISSUE NOT EXAMINED																
BONE MARROW AUTOLYSIS		+++	+++									+++				
BONE MARROW HYPOPLASTIC BONE MARROW																
BONE MARROW LEUKEMIA, GRANULOCYTIC, NOS																
SPLEEN NORMAL MORPHOLOGIC STRUCTURES				0	0	0	0	0	0	0	0		0		0	0
SPLEEN NO TISSUE SAVED	X													X		
SPLEEN TISSUE NOT EXAMINED																
SPLEEN AUTOLYSIS		+++	+++									+++				
SPLEEN HEMATOPOIESIS, EXTRAMEDULLARY																
SPLEEN LEUKEMIA, GRANULOCYTIC, NOS																
LYMPH NODE NORMAL MORPHOLOGIC STRUCTURES				0	0	0	0	0	0	0	0		0		0	0
LYMPH NODE NO TISSUE SAVED	X													X		
LYMPH NODE TISSUE NOT EXAMINED																
LYMPH NODE AUTOLYSIS		+++	+++									+++				
LYMPH NODE LYMPHOID HYPERPLASIA																
LYMPH NODE MYELOGENOUS LEUKEMIA, NOS																
BONE NORMAL MORPHOLOGIC STRUCTURES				0	0	0	0	0	0	0	0		0	0	0	0
BONE NO TISSUE SAVED	X															
BONE TISSUE NOT EXAMINED																
BONE AUTOLYSIS		+++	+++									+++				
SKELETAL MUSCLE NORMAL MORPHOLOGIC STRUCTURES				0	0	0	0	0	0	0	0		0	0	0	0
SKELETAL MUSCLE NO TISSUE SAVED	X															
SKELETAL MUSCLE TISSUE NOT EXAMINED																
SKELETAL MUSCLE AUTOLYSIS		+++	+++									+++				
SKELETAL MUSCLE MYELOGENOUS LEUKEMIA, NOS																
TRACHEA NORMAL MORPHOLOGIC STRUCTURES				0	0		0		0		0		0		0	0
TRACHEA NO TISSUE SAVED	X															
TRACHEA TISSUE NOT EXAMINED																
TRACHEA TRACHEITIS						++		++						+++		
TRACHEA LIPOGRANULOMA										++						
TRACHEA AUTOLYSIS		+++	+++									+++				
LUNG NORMAL MORPHOLOGIC STRUCTURES							0						0			
LUNG TISSUE NOT EXAMINED																
LUNG RUPTURE, NOS	+++															
LUNG PULMONARY EMPHYSEMA								++								

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COMPOUND - FREON-12

ANIMAL #	4346	4383	4385	4384	4386	4347	4382	4353	4352	4344	4372	4371	4376	4351	4345	4490
LUNG ATELECTASIS				++				+++	+							
LUNG EDEMA, NOS		++	+++								++					
LUNG HEMORRHAGE, NOS										+	++					+++
LUNG INFLAMMATION, FOCAL, NOS															+++	
LUNG INFLAMMATION, MULTIFOCAL														+++		
LUNG PNEUMONIA, DIFFUSE			+++													
LUNG PNEUMONIA, LIPID						++										
LUNG ABSCESS, CHRONIC																
LUNG LIPOGRANULOMA									+++							
LUNG FOREIGN BODY REACTION																
LUNG FIBROSIS FOCAL												+++				
LUNG AUTOLYSIS		+++														
LUNG LYMPHOID HYPERPLASIA					++	++		++	++							
LUNG CHONDROSARCOMA																
LUNG MYELOGENOUS LEUKEMIA, NOS																
PLEURA NORMAL MORPHOLOGIC STRUCTURES				0	0	0	0	0	0	0	0		0	0	0	
PLEURA NO TISSUE SAVED	X															
PLEURA TISSUE NOT EXAMINED			X													
PLEURA INFLAMMATION, ACUTE FIBRINOUS																+++
PLEURA GRANULOMA																
PLEURA LIPOGRANULOMA																
PLEURA AUTOLYSIS		+++										+++				
PLEURA CHONDROSARCOMA																
HEART NORMAL MORPHOLOGIC STRUCTURES				0	0	0	0	0	0	0	0		0	0	0	0
HEART NO TISSUE SAVED	X															
HEART TISSUE NOT EXAMINED																
HEART AUTOLYSIS		+++	+++									+++				
AORTA NORMAL MORPHOLOGIC STRUCTURES				0	0	0	0	0	0	0	0		0	0	0	0
AORTA NO TISSUE SAVED	X															
AORTA TISSUE NOT EXAMINED																
AORTA AUTOLYSIS		+++	+++									+++				
SALIVARY GLAND NORMAL MORPHOLOGIC STRUCTURES				0	0	0	0	0	0	0	0		0		0	0
SALIVARY GLAND NO TISSUE SAVED	X													X		
SALIVARY GLAND TISSUE NOT EXAMINED																
SALIVARY GLAND AUTOLYSIS		+++	+++									+++				
LIVER NORMAL MORPHOLOGIC STRUCTURES							0		0	0	0					0
LIVER NO TISSUE SAVED	X															
LIVER HEPATITIS, NOS																
LIVER NECROSIS, FOCAL				+												
LIVER AUTOLYSIS		+++	+++									+++				

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ANIMAL #	4346	4383	4385	4384	4386	4347	4382	4353	4352	4344	4372	4371	4376	4351	4345	4490
LIVER FATTY CHANGE				+	+	+		+					+++	+++	+++	
LIVER HEMATOPOIESIS, EXTRAMEDULLARY																
LIVER CHONDROSARCOMA																
LIVER MYELOGENOUS LEUKEMIA, NOS																
PANCREAS EXCEPT ISLETS NORMAL MORPHOLOGIC STRUCTURES				0	0	0	0	0	0	0	0		0		0	0
PANCREAS EXCEPT ISLETS NO TISSUE SAVED	X													X		
PANCREAS EXCEPT ISLETS TISSUE NOT EXAMINED																
PANCREAS EXCEPT ISLETS GRANULOMA																
PANCREAS EXCEPT ISLETS AUTOLYSIS		+++	+++									+++				
TONSIL AND ADENOID AUTOLYSIS																
ESOPHAGUS NORMAL MORPHOLOGIC STRUCTURES				0	0	0	0	0	0	0			0			0
ESOPHAGUS NO TISSUE SAVED	X													X		
ESOPHAGUS TISSUE NOT EXAMINED																
ESOPHAGUS RUPTURE, NOS															+++	
ESOPHAGUS GRANULOMA																
ESOPHAGUS LIPOGRANULOMA															+++	
ESOPHAGUS EROSION																
ESOPHAGUS EROSIVE ESOPHAGITIS																
ESOPHAGUS AUTOLYSIS		+++	+++									+++				
ESOPHAGUS FATTY CHANGE											++					
STOMACH NORMAL MORPHOLOGIC STRUCTURES				0	0		0	0	0	0	0		0		0	0
STOMACH NO TISSUE SAVED	X													X		
STOMACH TISSUE NOT EXAMINED																
STOMACH ULCER, CHRONIC						++										
STOMACH AUTOLYSIS		+++	+++									+++				
STOMACH MYELOGENOUS LEUKEMIA, NOS																
DUODENUM NORMAL MORPHOLOGIC STRUCTURES				0	0	0	0	0	0	0	0		0		0	0
DUODENUM NO TISSUE SAVED	X													X		
DUODENUM TISSUE NOT EXAMINED																
DUODENUM AUTOLYSIS		+++	+++									+++				
COLON NORMAL MORPHOLOGIC STRUCTURES				0	0	0	0	0	0	0	0		0		0	0
COLON NO TISSUE SAVED	X													X		
COLON TISSUE NOT EXAMINED																
COLON AUTOLYSIS		+++	+++									+++				
CECUM NORMAL MORPHOLOGIC STRUCTURES				0	0	0	0	0	0	0	0		0		0	0
CECUM NO TISSUE SAVED	X													X		
CECUM TISSUE NOT EXAMINED																
CECUM AUTOLYSIS		+++	+++									+++				
KIDNEY NORMAL MORPHOLOGIC STRUCTURES				0	0	0		0	0					0		0
KIDNEY NO TISSUE SAVED	X															

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ANIMAL #	4346	4383	4385	4384	4386	4347	4382	4353	4352	4344	4372	4371	4376	4351	4345	4490
KIDNEY TISSUE NOT EXAMINED																
KIDNEY GLOMERULONEPHRITIS, NOS																
KIDNEY GLOMERULONEPHRITIS, FOCAL																
KIDNEY INTERSTITIAL NEPHRITIS							++			+	+++		++		+	
KIDNEY AUTOLYSIS		+++	+++									+++				
KIDNEY FATTY CHANGE													+			
KIDNEY CALCIFICATION, NOS																
KIDNEY HEMATOPOIESIS, EXTRAMEDULLARY																
KIDNEY CHONDROSARCOMA																
KIDNEY MYELOGENOUS LEUKEMIA, NOS																
URINARY BLADDER NORMAL MORPHOLOGIC STRUCTURES				0	0	0	0	0	0	0	0		0		0	0
URINARY BLADDER NO TISSUE SAVED	X													X		
URINARY BLADDER TISSUE NOT EXAMINED																
URINARY BLADDER AUTOLYSIS		+++	+++									+++				
URINARY BLADDER CHONDROSARCOMA																
PROSTATE, NOS NORMAL MORPHOLOGIC STRUCTURES				0	0	0	0	0	0	0	0		0		0	0
PROSTATE, NOS NO TISSUE SAVED	X													X		
PROSTATE, NOS TISSUE NOT EXAMINED																
PROSTATE, NOS INFLAMMATION, CHRONIC, NOS																
PROSTATE, NOS AUTOLYSIS		+++	+++									+++				
PROSTATE, NOS CHONDROSARCOMA																
TESTIS NORMAL MORPHOLOGIC STRUCTURES				0	0	0	0	0	0	0	0		0	0	0	0
TESTIS NO TISSUE SAVED	X															
TESTIS TISSUE NOT EXAMINED																
TESTIS AUTOLYSIS		+++	+++									+++				
TESTIS ATROPHY, NOS																
EPIDIDYMIS NORMAL MORPHOLOGIC STRUCTURES				0	0	0	0	0	0	0	0		0		0	0
EPIDIDYMIS NO TISSUE SAVED	X													X		
EPIDIDYMIS TISSUE NOT EXAMINED																
EPIDIDYMIS AUTOLYSIS		+++	+++									+++				
UTERUS, NOS NORMAL MORPHOLOGIC STRUCTURES																
UTERUS, NOS NO TISSUE SAVED																
UTERUS, NOS TISSUE NOT EXAMINED																
UTERUS, NOS AUTOLYSIS																
FALLOPIAN TUBE NORMAL MORPHOLOGIC STRUCTURES																
FALLOPIAN TUBE NO TISSUE SAVED																
FALLOPIAN TUBE TISSUE NOT EXAMINED																
FALLOPIAN TUBE AUTOLYSIS																
OVARY NORMAL MORPHOLOGIC STRUCTURES																
OVARY NO TISSUE SAVED																

HASKELL # - 6966 TEST # - 36 MR. # - 1388001 JANUARY 30, 1974
COMPOUND - FREON-12

ANIMAL #	4346	4383	4385	4384	4386	4347	4382	4353	4352	4344	4372	4371	4376	4351	4345	4490
OVARY TISSUE NOT EXAMINED																
OVARY AUTOLYSIS																
PITUITARY GLAND NORMAL MORPHOLOGIC STRUCTURES				0	0	0	0	0	0	0	0		0		0	0
PITUITARY GLAND NO TISSUE SAVED	X													X		
PITUITARY GLAND TISSUE NOT EXAMINED																
PITUITARY GLAND AUTOLYSIS		+++	+++									+++				
PITUITARY GLAND HYPERPLASIA, NOS																
PITUITARY GLAND ADENOMA, NOS																
ADRENAL GLAND NORMAL MORPHOLOGIC STRUCTURES				0	0	0	0	0	0	0	0		0		0	0
ADRENAL GLAND NO TISSUE SAVED	X													X		
ADRENAL GLAND TISSUE NOT EXAMINED																
ADRENAL GLAND AUTOLYSIS		+++	+++									+++				
ADRENAL GLAND TELANGIECTASIS																
ADRENAL GLAND HEMATOPOIESIS, EXTRAMEDULLARY																
ADRENAL GLAND CHONDROSARCOMA																
THYROID GLAND NORMAL MORPHOLOGIC STRUCTURES							0	0	0	0	0		0		0	0
THYROID GLAND NO TISSUE SAVED	X													X		
THYROID GLAND TISSUE NOT EXAMINED				X	X	X										
THYROID GLAND AUTOLYSIS		+++	+++									+++				
PARATHYROID GLAND NORMAL MORPHOLOGIC STRUCTURES								0	0	0	0		0		0	
PARATHYROID GLAND NO TISSUE SAVED	X													X		
PARATHYROID GLAND TISSUE NOT EXAMINED				X	X	X	X									X
PARATHYROID GLAND AUTOLYSIS		+++	+++									+++				
THYMUS NORMAL MORPHOLOGIC STRUCTURES				0	0	0	0	0	0	0	0		0		0	0
THYMUS NO TISSUE SAVED	X													X		
THYMUS TISSUE NOT EXAMINED																
THYMUS AUTOLYSIS		+++	+++									+++				
ISLETS OF LANGERHANS NORMAL MORPHOLOGIC STRUCTURES				0	0	0	0	0	0	0	0		0		0	0
ISLETS OF LANGERHANS NO TISSUE SAVED	X													X		
ISLETS OF LANGERHANS TISSUE NOT EXAMINED																
ISLETS OF LANGERHANS AUTOLYSIS		+++	+++									+++				

HASKELL # - 6966 TEST # - 36 MR. # - 1388001 JANUARY 30, 1974
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ANIMAL #	4451	4478	4493	4492	4479	4453	4450	4452	4485	4489	4560	4559	4591	4583	4590	4571
GROUP #	05	05	05	05	05	05	05	05	05	05	07	07	07	07	07	07
TREATMENT DAYS	206	227	373	373	373	373	373	373	486	491	206	209	258	264	265	286
POST-TREATMENT DAYS																
DIET/DOSE VALUE	35	35	35	35	35	35	35	35	35	35	350	350	350	350	350	350
INITIAL WEIGHT	60	48	100	108	113	141	149	155	126	79	48	46	93	99	99	44
LOW WEIGHT																
FINAL WEIGHT	768	693	498	572	715	776	972	463	515	590	598	594	677	637	776	623
SEX	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
DIED/SACRIFICED	D	D	S	S	S	S	S	S	S	S	D	D	D	D	D	S
EYE NORMAL MORPHOLOGIC STRUCTURES	0		0	0	0	0	0	0	0	0				0		0
EYE NO TISSUE SAVED		X									X	X				
EYE TISSUE NOT EXAMINED																
EYE AUTOLYSIS													+++		+++	
LACRIMAL GLAND NORMAL MORPHOLOGIC STRUCTURES	0		0	0	0		0	0		0						
LACRIMAL GLAND NO TISSUE SAVED		X									X	X				X
LACRIMAL GLAND TISSUE NOT EXAMINED													X	X		
LACRIMAL GLAND AUTOLYSIS															+++	
LACRIMAL GLAND METAPLASIA						++			++							
BRAIN NORMAL MORPHOLOGIC STRUCTURES	0		0	0	0	0	0	0	0					0		0
BRAIN NO TISSUE SAVED		X									X	X				
BRAIN TISSUE NOT EXAMINED																
BRAIN AUTOLYSIS													+++		+++	
BRAIN RETICULUM CELL SARCOMA										X						
CERVICAL SPINAL CORD, NOS NORMAL MORPHOLOGIC STRUCTURES	0		0	0	0	0	0	0	0	0				0		0
CERVICAL SPINAL CORD, NOS NO TISSUE SAVED		X									X	X				
CERVICAL SPINAL CORD, NOS TISSUE NOT EXAMINED																
CERVICAL SPINAL CORD, NOS AUTOLYSIS													+++		+++	
SCIATIC NERVE NORMAL MORPHOLOGIC STRUCTURES	0		0	0	0	0	0	0	0	0				0		0
SCIATIC NERVE NO TISSUE SAVED		X									X	X				
SCIATIC NERVE TISSUE NOT EXAMINED																
SCIATIC NERVE AUTOLYSIS													+++		+++	
SKIN NORMAL MORPHOLOGIC STRUCTURES			0		0		0		0	0						
SKIN NO TISSUE SAVED	X	X						X			X	X				X
SKIN TISSUE NOT EXAMINED				X		X							X	X		
SKIN ABSCESS, CHRONIC																
SKIN GRANULOMA																
SKIN AUTOLYSIS															+++	
SKIN FIBROSARCOMA, NOS																
MAMMARY GLAND NORMAL MORPHOLOGIC STRUCTURES			0						0							
MAMMARY GLAND NO TISSUE SAVED	X	X					X	X		X	X	X				X
MAMMARY GLAND TISSUE NOT EXAMINED				X	X	X							X	X		
MAMMARY GLAND GRANULOMA																
MAMMARY GLAND AUTOLYSIS															+++	

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ANIMAL #	4451	4478	4493	4492	4479	4453	4450	4452	4485	4489	4560	4559	4591	4583	4590	4571
MAMMARY GLAND ADENOCARCINOMA, NOS																
MAMMARY GLAND FIBROMA, NOS																
MAMMARY GLAND FIBROADENOMA, NOS																
BONE MARROW NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0		0	0		0		0		
BONE MARROW NO TISSUE SAVED											X					
BONE MARROW TISSUE NOT EXAMINED																
BONE MARROW AUTOLYSIS													+++		+++	
BONE MARROW HYPOPLASTIC BONE MARROW																
BONE MARROW LEUKEMIA, GRANULOCYTIC, NOS								X								X
SPLEEN NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0		0	0		0		0		0
SPLEEN NO TISSUE SAVED											X					
SPLEEN TISSUE NOT EXAMINED																
SPLEEN AUTOLYSIS													+++		+++	
SPLEEN HEMATOPOIESIS, EXTRAMEDULLARY																
SPLEEN LEUKEMIA, GRANULOCYTIC, NOS								X								
LYMPH NODE NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0		0	0		0		0		0
LYMPH NODE NO TISSUE SAVED											X					
LYMPH NODE TISSUE NOT EXAMINED													X			
LYMPH NODE AUTOLYSIS															+++	
LYMPH NODE LYMPHOID HYPERPLASIA																
LYMPH NODE MYELOGENOUS LEUKEMIA, NOS								X								
BONE NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0		0	0	0		0
BONE NO TISSUE SAVED											X					
BONE TISSUE NOT EXAMINED																
BONE AUTOLYSIS															+++	
SKELETAL MUSCLE NORMAL MORPHOLOGIC STRUCTURES	0		0	0	0	0	0		0	0				0		
SKELETAL MUSCLE NO TISSUE SAVED		X									X	X				
SKELETAL MUSCLE TISSUE NOT EXAMINED																
SKELETAL MUSCLE AUTOLYSIS													+++		+++	
SKELETAL MUSCLE MYELOGENOUS LEUKEMIA, NOS								X								X
TRACHEA NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0				0		0
TRACHEA NO TISSUE SAVED											X	X				
TRACHEA TISSUE NOT EXAMINED																
TRACHEA TRACHEITIS																
TRACHEA LIPOGRANULOMA																
TRACHEA AUTOLYSIS													+++		+++	
LUNG NORMAL MORPHOLOGIC STRUCTURES	0		0	0	0				0	0						0
LUNG TISSUE NOT EXAMINED																
LUNG RUPTURE, NOS																
LUNG PULMONARY EMPHYSEMA													+			

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ANIMAL #	4451	4478	4493	4492	4479	4453	4450	4452	4485	4489	4560	4559	4591	4583	4590	4571
LUNG ATELECTASIS																
LUNG EDEMA, NOS		++						+					+++	+++		
LUNG HEMORRHAGE, NOS																
LUNG INFLAMMATION, FOCAL, NOS																
LUNG INFLAMMATION, MULTIFOCAL							++									
LUNG PNEUMONIA, DIFFUSE																
LUNG PNEUMONIA, LIPID												+++				
LUNG ABSCESS, CHRONIC																
LUNG LIPOGRANULOMA																
LUNG FOREIGN BODY REACTION																
LUNG FIBROSIS FOCAL																
LUNG AUTOLYSIS											+++				+++	
LUNG LYMPHOID HYPERPLASIA						+										
LUNG CHONDROSARCOMA																
LUNG MYELOGENOUS LEUKEMIA, NOS																
PLEURA NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0			0		0
PLEURA NO TISSUE SAVED																
PLEURA TISSUE NOT EXAMINED																
PLEURA INFLAMMATION, ACUTE FIBRINOUS																
PLEURA GRANULOMA																
PLEURA LIPOGRANULOMA												++				
PLEURA AUTOLYSIS													+++		+++	
PLEURA CHONDROSARCOMA																
HEART NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0		0		0		0
HEART NO TISSUE SAVED											X					
HEART TISSUE NOT EXAMINED																
HEART AUTOLYSIS													+++		+++	
AORTA NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0		0		0		0
AORTA NO TISSUE SAVED											X					
AORTA TISSUE NOT EXAMINED																
AORTA AUTOLYSIS													+++		+++	
SALIVARY GLAND NORMAL MORPHOLOGIC STRUCTURES	0		0	0	0	0	0	0	0	0				0		0
SALIVARY GLAND NO TISSUE SAVED		X									X	X				
SALIVARY GLAND TISSUE NOT EXAMINED																
SALIVARY GLAND AUTOLYSIS													+++		+++	
LIVER NORMAL MORPHOLOGIC STRUCTURES		0								0		0		0		
LIVER NO TISSUE SAVED																
LIVER HEPATITIS, NOS																
LIVER NECROSIS, FOCAL																
LIVER AUTOLYSIS											+++		+++		+++	

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ANIMAL #	4451	4478	4493	4492	4479	4453	4450	4452	4485	4489	4560	4559	4591	4583	4590	4571
LIVER FATTY CHANGE	+++		+	+	+	++	++	+++	+++							
LIVER HEMATOPOIESIS, EXTRAMEDULLARY																
LIVER CHONDROSARCOMA																
LIVER MYELOGENOUS LEUKEMIA, NOS								X								X
PANCREAS EXCEPT ISLETS NORMAL MORPHOLOGIC STRUCTURES	0		0	0	0	0	0	0	0	0				0		0
PANCREAS EXCEPT ISLETS NO TISSUE SAVED		X									X	X				
PANCREAS EXCEPT ISLETS TISSUE NOT EXAMINED																
PANCREAS EXCEPT ISLETS GRANULOMA																
PANCREAS EXCEPT ISLETS AUTOLYSIS													+++		+++	
TONSIL AND ADENOID AUTOLYSIS																
ESOPHAGUS NORMAL MORPHOLOGIC STRUCTURES	0		0	0	0	0	0	0	0	0				0		0
ESOPHAGUS NO TISSUE SAVED		X														
ESOPHAGUS TISSUE NOT EXAMINED																
ESOPHAGUS RUPTURE, NOS											++	++				
ESOPHAGUS GRANULOMA																
ESOPHAGUS LIPOGRANULOMA																
ESOPHAGUS EROSION																
ESOPHAGUS EROSIVE ESOPHAGITIS																
ESOPHAGUS AUTOLYSIS													+++		+++	
ESOPHAGUS FATTY CHANGE																
STOMACH NORMAL MORPHOLOGIC STRUCTURES	0		0	0	0	0	0		0							0
STOMACH NO TISSUE SAVED		X									X	X				
STOMACH TISSUE NOT EXAMINED																
STOMACH ULCER, CHRONIC										++						
STOMACH AUTOLYSIS													+++	+++	+++	
STOMACH MYELOGENOUS LEUKEMIA, NOS								X								
DUODENUM NORMAL MORPHOLOGIC STRUCTURES	0		0	0	0	0	0	0	0	0						0
DUODENUM NO TISSUE SAVED		X									X	X				
DUODENUM TISSUE NOT EXAMINED																
DUODENUM AUTOLYSIS													+++	+++	+++	
COLON NORMAL MORPHOLOGIC STRUCTURES	0		0	0	0	0	0	0	0	0						0
COLON NO TISSUE SAVED		X									X	X				
COLON TISSUE NOT EXAMINED																
COLON AUTOLYSIS													+++	+++	+++	
CECUM NORMAL MORPHOLOGIC STRUCTURES	0		0	0	0	0	0	0	0	0						0
CECUM NO TISSUE SAVED		X									X	X				
CECUM TISSUE NOT EXAMINED																
CECUM AUTOLYSIS													+++	+++	+++	
KIDNEY NORMAL MORPHOLOGIC STRUCTURES	0	0	0							0		0		0		
KIDNEY NO TISSUE SAVED																

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ANIMAL #	4451	4478	4493	4492	4479	4453	4450	4452	4485	4489	4560	4559	4591	4583	4590	4571
KIDNEY TISSUE NOT EXAMINED																
KIDNEY GLOMERULONEPHRITIS, NOS																
KIDNEY GLOMERULONEPHRITIS, FOCAL																+
KIDNEY INTERSTITIAL NEPHRITIS				+	+	+	+		++							
KIDNEY AUTOLYSIS											+++		+++		+++	
KIDNEY FATTY CHANGE																
KIDNEY CALCIFICATION, NOS																
KIDNEY HEMATOPOIESIS, EXTRAMEDULLARY																
KIDNEY CHONDROSARCOMA																
KIDNEY MYELOGENOUS LEUKEMIA, NOS								X								
URINARY BLADDER NORMAL MORPHOLOGIC STRUCTURES	0		0	0	0	0	0	0	0	0				0		0
URINARY BLADDER NO TISSUE SAVED		X									X	X				
URINARY BLADDER TISSUE NOT EXAMINED																
URINARY BLADDER AUTOLYSIS													+++		+++	
URINARY BLADDER CHONDROSARCOMA																
PROSTATE, NOS NORMAL MORPHOLOGIC STRUCTURES	0		0	0	0	0	0	0		0				0		0
PROSTATE, NOS NO TISSUE SAVED		X									X	X				
PROSTATE, NOS TISSUE NOT EXAMINED																
PROSTATE, NOS INFLAMMATION, CHRONIC, NOS									++							
PROSTATE, NOS AUTOLYSIS													+++		+++	
PROSTATE, NOS CHONDROSARCOMA																
TESTIS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0			0		0		0
TESTIS NO TISSUE SAVED											X					
TESTIS TISSUE NOT EXAMINED																
TESTIS AUTOLYSIS													+++		+++	
TESTIS ATROPHY, NOS										++						
EPIDIDYMIS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0		0		0		0
EPIDIDYMIS NO TISSUE SAVED											X					
EPIDIDYMIS TISSUE NOT EXAMINED																
EPIDIDYMIS AUTOLYSIS													+++		+++	
UTERUS, NOS NORMAL MORPHOLOGIC STRUCTURES																
UTERUS, NOS NO TISSUE SAVED																
UTERUS, NOS TISSUE NOT EXAMINED																
UTERUS, NOS AUTOLYSIS																
FALLOPIAN TUBE NORMAL MORPHOLOGIC STRUCTURES																
FALLOPIAN TUBE NO TISSUE SAVED																
FALLOPIAN TUBE TISSUE NOT EXAMINED																
FALLOPIAN TUBE AUTOLYSIS																
OVARY NORMAL MORPHOLOGIC STRUCTURES																
OVARY NO TISSUE SAVED																

HASKELL # - 6966 TEST # - 36 MR. # - 1388001 JANUARY 30, 1974
COMPOUND - FREON-12

ANIMAL #	4451	4478	4493	4492	4479	4453	4450	4452	4485	4489	4560	4559	4591	4583	4590	4571
OVARY TISSUE NOT EXAMINED																
OVARY AUTOLYSIS																
PITUITARY GLAND NORMAL MORPHOLOGIC STRUCTURES	0			0	0	0	0	0		0				0		0
PITUITARY GLAND NO TISSUE SAVED		X									X	X				
PITUITARY GLAND TISSUE NOT EXAMINED			X													
PITUITARY GLAND AUTOLYSIS													+++		+++	
PITUITARY GLAND HYPERPLASIA, NOS																
PITUITARY GLAND ADENOMA, NOS									X							
ADRENAL GLAND NORMAL MORPHOLOGIC STRUCTURES	0		0	0	0	0	0	0	0	0				0		0
ADRENAL GLAND NO TISSUE SAVED		X									X	X				
ADRENAL GLAND TISSUE NOT EXAMINED																
ADRENAL GLAND AUTOLYSIS													+++		+++	
ADRENAL GLAND TELANGIECTASIS																
ADRENAL GLAND HEMATOPOIESIS, EXTRAMEDULLARY																
ADRENAL GLAND CHONDROSARCOMA																
THYROID GLAND NORMAL MORPHOLOGIC STRUCTURES	0			0	0					0				0		0
THYROID GLAND NO TISSUE SAVED		X					X	X	X		X	X				
THYROID GLAND TISSUE NOT EXAMINED			X			X										
THYROID GLAND AUTOLYSIS													+++		+++	
PARATHYROID GLAND NORMAL MORPHOLOGIC STRUCTURES				0										0		0
PARATHYROID GLAND NO TISSUE SAVED	X	X					X	X	X	X	X	X				
PARATHYROID GLAND TISSUE NOT EXAMINED			X		X	X										
PARATHYROID GLAND AUTOLYSIS													+++		+++	
THYMUS NORMAL MORPHOLOGIC STRUCTURES			0	0	0	0	0	0	0	0				0		0
THYMUS NO TISSUE SAVED	X	X									X	X				
THYMUS TISSUE NOT EXAMINED													X			
THYMUS AUTOLYSIS															+++	
ISLETS OF LANGERHANS NORMAL MORPHOLOGIC STRUCTURES	0		0	0	0	0	0	0	0	0				0		0
ISLETS OF LANGERHANS NO TISSUE SAVED		X									X	X				
ISLETS OF LANGERHANS TISSUE NOT EXAMINED																
ISLETS OF LANGERHANS AUTOLYSIS													+++		+++	

HASKELL # - 6966 TEST # - 36 MR. # - 1388001 JANUARY 30, 1974
COMPOUND - FREON-12

ANIMAL #	4592	4593	4578	4579	4570	4582	4549	4312	4299	4313	4332	4315	4302	4303	4342	4343
GROUP #	07	07	07	07	07	07	07	02	02	02	02	02	02	02	02	02
TREATMENT DAYS	372	372	372	372	372	372	465	109	199	237	237	327	374	374	374	374
POST-TREATMENT DAYS																
DIET/DOSE VALUE	350	350	350	350	350	350	350	00	00	00	00	00	00	00	00	00
INITIAL WEIGHT	95	106	120	128	136	138	137	126	46	54	101	130	101	104	106	108
LOW WEIGHT																
FINAL WEIGHT	728	859	649	733	760	712	555	238	290	390	462	517	426	400	523	416
SEX	M	M	M	M	M	M	M	F	F	F	F	F	F	F	F	F
DIED/SACRIFICED	S	S	S	S	S	S	D	D	D	D	D	D	S	S	S	S
EYE NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0			0	0	0	0	0	0	0
EYE NO TISSUE SAVED																
EYE TISSUE NOT EXAMINED								X								
EYE AUTOLYSIS									+++							
LACRIMAL GLAND NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0			0		0	0	0	0	0
LACRIMAL GLAND NO TISSUE SAVED																
LACRIMAL GLAND TISSUE NOT EXAMINED								X			X					
LACRIMAL GLAND AUTOLYSIS									+++							
LACRIMAL GLAND METAPLASIA																
BRAIN NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0			0	0	0	0	0	0	0
BRAIN NO TISSUE SAVED																
BRAIN TISSUE NOT EXAMINED																
BRAIN AUTOLYSIS								+++	+++							
BRAIN RETICULUM CELL SARCOMA																
CERVICAL SPINAL CORD, NOS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0			0	0	0	0	0	0	0
CERVICAL SPINAL CORD, NOS NO TISSUE SAVED																
CERVICAL SPINAL CORD, NOS TISSUE NOT EXAMINED																
CERVICAL SPINAL CORD, NOS AUTOLYSIS								+++	+++							
SCIATIC NERVE NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0			0	0	0	0	0	0	0
SCIATIC NERVE NO TISSUE SAVED																
SCIATIC NERVE TISSUE NOT EXAMINED								X								
SCIATIC NERVE AUTOLYSIS									+++							
SKIN NORMAL MORPHOLOGIC STRUCTURES	0	0					0			0	0		0	0	0	0
SKIN NO TISSUE SAVED			X	X												
SKIN TISSUE NOT EXAMINED					X	X		X				X				
SKIN ABSCESS, CHRONIC																
SKIN GRANULOMA																
SKIN AUTOLYSIS									+++							
SKIN FIBROSARCOMA, NOS																
MAMMARY GLAND NORMAL MORPHOLOGIC STRUCTURES							0			0			0	0	0	0
MAMMARY GLAND NO TISSUE SAVED			X	X												
MAMMARY GLAND TISSUE NOT EXAMINED	X	X			X	X		X				X				
MAMMARY GLAND GRANULOMA																
MAMMARY GLAND AUTOLYSIS									+++							

HASKELL # - 6966 TEST # - 36 MR. # - 1388001 JANUARY 30, 1974
COMPOUND - FREON-12

ANIMAL #	4592	4593	4578	4579	4570	4582	4549	4312	4299	4313	4332	4315	4302	4303	4342	4343
MAMMARY GLAND ADENOCARCINOMA, NOS											X					
MAMMARY GLAND FIBROMA, NOS																
MAMMARY GLAND FIBROADENOMA, NOS																
BONE MARROW NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0		0			0	0	0	0	0	0	0
BONE MARROW NO TISSUE SAVED																
BONE MARROW TISSUE NOT EXAMINED						X										
BONE MARROW AUTOLYSIS									+++							
BONE MARROW HYPOPLASTIC BONE MARROW																
BONE MARROW LEUKEMIA, GRANULOCYTIC, NOS								X								
SPLEEN NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0			0		0	0	0	0	0
SPLEEN NO TISSUE SAVED																
SPLEEN TISSUE NOT EXAMINED																
SPLEEN AUTOLYSIS									+++							
SPLEEN HEMATOPOIESIS, EXTRAMEDULLARY											+++					
SPLEEN LEUKEMIA, GRANULOCYTIC, NOS								X								
LYMPH NODE NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0		0			0	0	0	0	0	0	0
LYMPH NODE NO TISSUE SAVED																
LYMPH NODE TISSUE NOT EXAMINED																
LYMPH NODE AUTOLYSIS								X	+++							
LYMPH NODE LYMPHOID HYPERPLASIA						+++										
LYMPH NODE MYELOGENOUS LEUKEMIA, NOS																
BONE NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0		0	0		0	0	0	0	0	0	0
BONE NO TISSUE SAVED																
BONE TISSUE NOT EXAMINED						X										
BONE AUTOLYSIS									X							
SKELETAL MUSCLE NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0			0	0	0	0	0	0	0
SKELETAL MUSCLE NO TISSUE SAVED																
SKELETAL MUSCLE TISSUE NOT EXAMINED																
SKELETAL MUSCLE AUTOLYSIS									+++							
SKELETAL MUSCLE MYELOGENOUS LEUKEMIA, NOS								X								
TRACHEA NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0			0	0		0	0	0	0
TRACHEA NO TISSUE SAVED																
TRACHEA TISSUE NOT EXAMINED																
TRACHEA TRACHEITIS												++				
TRACHEA LIPOGRANULOMA																
TRACHEA AUTOLYSIS								X	+++							
LUNG NORMAL MORPHOLOGIC STRUCTURES	0										0		0	0	0	0
LUNG TISSUE NOT EXAMINED																
LUNG RUPTURE, NOS																
LUNG PULMONARY EMPHYSEMA																

HASKELL # - 6966 TEST # - 36 MR. # - 1388001 JANUARY 30, 1974
COMPOUND - FREON-12

ANIMAL #	4592	4593	4578	4579	4570	4582	4549	4312	4299	4313	4332	4315	4302	4303	4342	4343
LUNG ATELECTASIS																
LUNG EDEMA, NOS									++	+++		++				
LUNG HEMORRHAGE, NOS																
LUNG INFLAMMATION, FOCAL, NOS																
LUNG INFLAMMATION, MULTIFOCAL																
LUNG PNEUMONIA, DIFFUSE																
LUNG PNEUMONIA, LIPID			++													
LUNG ABSCESS, CHRONIC																
LUNG LIPOGRANULOMA																
LUNG FOREIGN BODY REACTION																
LUNG FIBROSIS FOCAL				++												
LUNG AUTOLYSIS								+++	+++							
LUNG LYMPHOID HYPERPLASIA		++			++	+++										
LUNG CHONDROSARCOMA							X									
LUNG MYELOGENOUS LEUKEMIA, NOS																
PLEURA NORMAL MORPHOLOGIC STRUCTURES	0	0		0	0	0				0	0	0	0	0	0	0
PLEURA NO TISSUE SAVED																
PLEURA TISSUE NOT EXAMINED																
PLEURA INFLAMMATION, ACUTE FIBRINOUS																
PLEURA GRANULOMA																
PLEURA LIPOGRANULOMA			++													
PLEURA AUTOLYSIS								+++	+++							
PLEURA CHONDROSARCOMA							X									
HEART NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0			0	0	0	0	0	0	0
HEART NO TISSUE SAVED																
HEART TISSUE NOT EXAMINED																
HEART AUTOLYSIS								+++	+++							
AORTA NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0			0	0	0	0	0	0	0
AORTA NO TISSUE SAVED																
AORTA TISSUE NOT EXAMINED								X								
AORTA AUTOLYSIS									+++							
SALIVARY GLAND NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0			0	0	0	0	0	0	0
SALIVARY GLAND NO TISSUE SAVED																
SALIVARY GLAND TISSUE NOT EXAMINED								X								
SALIVARY GLAND AUTOLYSIS									+++							
LIVER NORMAL MORPHOLOGIC STRUCTURES										0		0	0			
LIVER NO TISSUE SAVED																
LIVER HEPATITIS, NOS		+		++												
LIVER NECROSIS, FOCAL											+					
LIVER AUTOLYSIS									+++							

HASKELL # - 6966 TEST # - 36 MR. # - 1388001 JANUARY 30, 1974
COMPOUND - FREON-12

ANIMAL #	4592	4593	4578	4579	4570	4582	4549	4312	4299	4313	4332	4315	4302	4303	4342	4343
LIVER FATTY CHANGE	++	++	+	++	+	+								+	+	+
LIVER HEMATOPOIESIS, EXTRAMEDULLARY																
LIVER CHONDROSARCOMA							X									
LIVER MYELOGENOUS LEUKEMIA, NOS								X								
PANCREAS EXCEPT ISLETS NORMAL MORPHOLOGIC STRUCTURES	0		0	0	0	0	0			0	0	0	0	0	0	0
PANCREAS EXCEPT ISLETS NO TISSUE SAVED																
PANCREAS EXCEPT ISLETS TISSUE NOT EXAMINED								X								
PANCREAS EXCEPT ISLETS GRANULOMA		+														
PANCREAS EXCEPT ISLETS AUTOLYSIS									+++							
TONSIL AND ADENOID AUTOLYSIS																
ESOPHAGUS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0			0	0	0		0	0	0
ESOPHAGUS NO TISSUE SAVED																
ESOPHAGUS TISSUE NOT EXAMINED																
ESOPHAGUS RUPTURE, NOS																
ESOPHAGUS GRANULOMA																
ESOPHAGUS LIPOGRANULOMA																
ESOPHAGUS EROSION													+			
ESOPHAGUS EROSIVE ESOPHAGITIS																
ESOPHAGUS AUTOLYSIS								X	+++							
ESOPHAGUS FATTY CHANGE																
STOMACH NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0			0	0	0	0	0	0	0
STOMACH NO TISSUE SAVED																
STOMACH TISSUE NOT EXAMINED								X								
STOMACH ULCER, CHRONIC																
STOMACH AUTOLYSIS									+++							
STOMACH MYELOGENOUS LEUKEMIA, NOS																
DUODENUM NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0			0	0	0	0	0	0	0
DUODENUM NO TISSUE SAVED																
DUODENUM TISSUE NOT EXAMINED								X								
DUODENUM AUTOLYSIS									+++							
COLON NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0			0	0	0	0	0	0	0
COLON NO TISSUE SAVED																
COLON TISSUE NOT EXAMINED								X								
COLON AUTOLYSIS									+++							
CECUM NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0			0	0	0	0	0	0	0
CECUM NO TISSUE SAVED																
CECUM TISSUE NOT EXAMINED								X								
CECUM AUTOLYSIS									+++							
KIDNEY NORMAL MORPHOLOGIC STRUCTURES	0			0						0			0		0	0
KIDNEY NO TISSUE SAVED																

HASKELL # - 6966 TEST # - 36 MR. # - 1388001 JANUARY 30, 1974
COMPOUND - FREON-12

ANIMAL #	4592	4593	4578	4579	4570	4582	4549	4312	4299	4313	4332	4315	4302	4303	4342	4343
KIDNEY TISSUE NOT EXAMINED																
KIDNEY GLOMERULONEPHRITIS, NOS																
KIDNEY GLOMERULONEPHRITIS, FOCAL																
KIDNEY INTERSTITIAL NEPHRITIS		+	+		+	+						++		+		
KIDNEY AUTOLYSIS								+++	+++							
KIDNEY FATTY CHANGE																
KIDNEY CALCIFICATION, NOS																
KIDNEY HEMATOPOIESIS, EXTRAMEDULLARY											+					
KIDNEY CHONDROSARCOMA							X									
KIDNEY MYELOGENOUS LEUKEMIA, NOS																
URINARY BLADDER NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0				0	0	0	0	0	0	0
URINARY BLADDER NO TISSUE SAVED																
URINARY BLADDER TISSUE NOT EXAMINED																
URINARY BLADDER AUTOLYSIS								+++	+++							
URINARY BLADDER CHONDROSARCOMA							X									
PROSTATE, NOS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0										
PROSTATE, NOS NO TISSUE SAVED																
PROSTATE, NOS TISSUE NOT EXAMINED																
PROSTATE, NOS INFLAMMATION, CHRONIC, NOS																
PROSTATE, NOS AUTOLYSIS																
PROSTATE, NOS CHONDROSARCOMA							X									
TESTIS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0									
TESTIS NO TISSUE SAVED																
TESTIS TISSUE NOT EXAMINED																
TESTIS AUTOLYSIS																
TESTIS ATROPHY, NOS																
EPIDIDYMIS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0									
EPIDIDYMIS NO TISSUE SAVED																
EPIDIDYMIS TISSUE NOT EXAMINED																
EPIDIDYMIS AUTOLYSIS																
UTERUS, NOS NORMAL MORPHOLOGIC STRUCTURES										0	0	0	0	0	0	0
UTERUS, NOS NO TISSUE SAVED																
UTERUS, NOS TISSUE NOT EXAMINED								X								
UTERUS, NOS AUTOLYSIS									+++							
FALLOPIAN TUBE NORMAL MORPHOLOGIC STRUCTURES										0	0	0	0	0	0	0
FALLOPIAN TUBE NO TISSUE SAVED																
FALLOPIAN TUBE TISSUE NOT EXAMINED								X								
FALLOPIAN TUBE AUTOLYSIS									+++							
OVARY NORMAL MORPHOLOGIC STRUCTURES										0	0	0	0	0	0	0
OVARY NO TISSUE SAVED																

HASKELL # - 6966 TEST # - 36 MR. # - 1388001 JANUARY 30, 1974
COMPOUND - FREON-12

ANIMAL #	4592	4593	4578	4579	4570	4582	4549	4312	4299	4313	4332	4315	4302	4303	4342	4343
OVARY TISSUE NOT EXAMINED								X								
OVARY AUTOLYSIS									+++							
PITUITARY GLAND NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0			0	0	0	0	0	0	
PITUITARY GLAND NO TISSUE SAVED																
PITUITARY GLAND TISSUE NOT EXAMINED																X
PITUITARY GLAND AUTOLYSIS								+++	+++							
PITUITARY GLAND HYPERPLASIA, NOS																
PITUITARY GLAND ADENOMA, NOS																
ADRENAL GLAND NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0				0		0	0	0	0	0
ADRENAL GLAND NO TISSUE SAVED																
ADRENAL GLAND TISSUE NOT EXAMINED																
ADRENAL GLAND AUTOLYSIS								+++	+++							
ADRENAL GLAND TELANGIECTASIS																
ADRENAL GLAND HEMATOPOIESIS, EXTRAMEDULLARY											+					
ADRENAL GLAND CHONDROSARCOMA							X									
THYROID GLAND NORMAL MORPHOLOGIC STRUCTURES	0					0	0			0				0	0	0
THYROID GLAND NO TISSUE SAVED			X	X												
THYROID GLAND TISSUE NOT EXAMINED		X			X						X	X	X			
THYROID GLAND AUTOLYSIS								+++	+++							
PARATHYROID GLAND NORMAL MORPHOLOGIC STRUCTURES	0					0	0					0			0	
PARATHYROID GLAND NO TISSUE SAVED			X	X												
PARATHYROID GLAND TISSUE NOT EXAMINED		X			X					X	X		X	X		X
PARATHYROID GLAND AUTOLYSIS								+++	+++							
THYMUS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0			0	0	0	0	0	0	0
THYMUS NO TISSUE SAVED																
THYMUS TISSUE NOT EXAMINED								X								
THYMUS AUTOLYSIS									+++							
ISLETS OF LANGERHANS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0			0	0	0	0	0	0	0
ISLETS OF LANGERHANS NO TISSUE SAVED																
ISLETS OF LANGERHANS TISSUE NOT EXAMINED																
ISLETS OF LANGERHANS AUTOLYSIS								+++	+++							

HISTOPATHOLOGY REPORT TABLE XXVII

HASKELL # - 6966 TEST # - 36 MR. # - 1388001 JANUARY 30, 1974
COMPOUND - FREON-12

ANIMAL #	4298	4314	4339	4336	4410	4418	4413	4422	4405	4427	4407	4417	4416	4406	4395	4394
GROUP #	02	02	02	02	04	04	04	04	04	04	04	04	04	04	04	04
TREATMENT DAYS	374	374	458	458	171	175	210	212	269	372	372	372	372	375	375	375
POST-TREATMENT DAYS																
DIET/DOSE VALUE	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
INITIAL WEIGHT	115	125	94	107	116	115	48	50	73	111	126	126	135	116	129	139
LOW WEIGHT									336							
FINAL WEIGHT	420	382	336	672	358	338	334	365	272	442	518	573	451	614	441	505
SEX	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F
DIED/SACRIFICED	S	S	S	S	D	D	D	D	S	D	S	S	S	S	S	S
EYE NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0				0	0	0	0	0	0	0	0
EYE NO TISSUE SAVED																
EYE TISSUE NOT EXAMINED							X	X								
EYE AUTOLYSIS						+++										
LACRIMAL GLAND NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0					0		0		0	0	0	0
LACRIMAL GLAND NO TISSUE SAVED																
LACRIMAL GLAND TISSUE NOT EXAMINED					X	X	X	X		X		X				
LACRIMAL GLAND AUTOLYSIS																
LACRIMAL GLAND METAPLASIA																
BRAIN NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0				0	0	0	0	0	0	0	0
BRAIN NO TISSUE SAVED																
BRAIN TISSUE NOT EXAMINED						X	X	X								
BRAIN AUTOLYSIS																
BRAIN RETICULUM CELL SARCOMA																
CERVICAL SPINAL CORD, NOS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0				0	0	0	0	0	0	0	0
CERVICAL SPINAL CORD, NOS NO TISSUE SAVED																
CERVICAL SPINAL CORD, NOS TISSUE NOT EXAMINED						X	X	X								
CERVICAL SPINAL CORD, NOS AUTOLYSIS																
SCIATIC NERVE NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0			0	0	0	0	0	0	0	0
SCIATIC NERVE NO TISSUE SAVED																
SCIATIC NERVE TISSUE NOT EXAMINED							X	X								
SCIATIC NERVE AUTOLYSIS																
SKIN NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0		0	0		0		0	0	0	0
SKIN NO TISSUE SAVED																
SKIN TISSUE NOT EXAMINED										X		X				
SKIN ABSCESS, CHRONIC																
SKIN GRANULOMA							+++									
SKIN AUTOLYSIS																
SKIN FIBROSARCOMA, NOS																
MAMMARY GLAND NORMAL MORPHOLOGIC STRUCTURES	0	0	0		0	0			0		0		0		0	
MAMMARY GLAND NO TISSUE SAVED																
MAMMARY GLAND TISSUE NOT EXAMINED										X						
MAMMARY GLAND GRANULOMA							+									
MAMMARY GLAND AUTOLYSIS																

HASKELL # - 6966 TEST # - 36 MR. # - 1388001 JANUARY 30, 1974
COMPOUND - FREON-12

ANIMAL #	4298	4314	4339	4336	4410	4418	4413	4422	4405	4427	4407	4417	4416	4406	4395	4394
MAMMARY GLAND ADENOCARCINOMA, NOS																
MAMMARY GLAND FIBROMA, NOS																
MAMMARY GLAND FIBROADENOMA, NOS				X				X				X		X		X
BONE MARROW NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	+	0		0	0	0	0	0	0	0	0	0
BONE MARROW NO TISSUE SAVED																
BONE MARROW TISSUE NOT EXAMINED							X									
BONE MARROW AUTOLYSIS																
BONE MARROW HYPOPLASTIC BONE MARROW																
BONE MARROW LEUKEMIA, GRANULOCYTIC, NOS																
SPLEEN NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0
SPLEEN NO TISSUE SAVED																
SPLEEN TISSUE NOT EXAMINED							X									
SPLEEN AUTOLYSIS																
SPLEEN HEMATOPOIESIS, EXTRAMEDULLARY																
SPLEEN LEUKEMIA, GRANULOCYTIC, NOS																
LYMPH NODE NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LYMPH NODE NO TISSUE SAVED																
LYMPH NODE TISSUE NOT EXAMINED																
LYMPH NODE AUTOLYSIS																
LYMPH NODE LYMPHOID HYPERPLASIA																
LYMPH NODE MYELOGENOUS LEUKEMIA, NOS																
BONE NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0
BONE NO TISSUE SAVED																
BONE TISSUE NOT EXAMINED							X									
BONE AUTOLYSIS																
SKELETAL MUSCLE NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0		0	0		0	0	0	0	0	0
SKELETAL MUSCLE NO TISSUE SAVED																
SKELETAL MUSCLE TISSUE NOT EXAMINED							X			X						
SKELETAL MUSCLE AUTOLYSIS																
SKELETAL MUSCLE MYELOGENOUS LEUKEMIA, NOS																
TRACHEA NORMAL MORPHOLOGIC STRUCTURES	0		0	0	0	0	0	0	0		0	0	0		0	0
TRACHEA NO TISSUE SAVED																
TRACHEA TISSUE NOT EXAMINED																
TRACHEA TRACHEITIS		++								+++				++		
TRACHEA LIPOGRANULOMA																
TRACHEA AUTOLYSIS																
LUNG NORMAL MORPHOLOGIC STRUCTURES	0			0							0	0	0		0	0
LUNG TISSUE NOT EXAMINED																
LUNG RUPTURE, NOS																
LUNG PULMONARY EMPHYSEMA																

HASKELL # - 6966 TEST # - 36 MR. # - 1388001 JANUARY 30, 1974
COMPOUND - FREON-12

ANIMAL #	4298	4314	4339	4336	4410	4418	4413	4422	4405	4427	4407	4417	4416	4406	4395	4394
LUNG ATELECTASIS									+							
LUNG EDEMA, NOS					++	+++		++								
LUNG HEMORRHAGE, NOS							++									
LUNG INFLAMMATION, FOCAL, NOS																
LUNG INFLAMMATION, MULTIFOCAL		++														
LUNG PNEUMONIA, DIFFUSE										++						
LUNG PNEUMONIA, LIPID																
LUNG ABSCESS, CHRONIC																
LUNG LIPOGRANULOMA			+++													
LUNG FOREIGN BODY REACTION																
LUNG FIBROSIS FOCAL																
LUNG AUTOLYSIS																
LUNG LYMPHOID HYPERPLASIA														++		
LUNG CHONDROSARCOMA																
LUNG MYELOGENOUS LEUKEMIA, NOS																
PLEURA NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0
PLEURA NO TISSUE SAVED																
PLEURA TISSUE NOT EXAMINED																
PLEURA INFLAMMATION, ACUTE FIBRINOUS																
PLEURA GRANULOMA							+									
PLEURA LIPOGRANULOMA																
PLEURA AUTOLYSIS																
PLEURA CHONDROSARCOMA																
HEART NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0
HEART NO TISSUE SAVED																
HEART TISSUE NOT EXAMINED							X									
HEART AUTOLYSIS																
AORTA NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0
AORTA NO TISSUE SAVED																
AORTA TISSUE NOT EXAMINED							X									
AORTA AUTOLYSIS																
SALIVARY GLAND NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0				0	0	0	0	0	0	0	0	0
SALIVARY GLAND NO TISSUE SAVED																
SALIVARY GLAND TISSUE NOT EXAMINED						X	X									
SALIVARY GLAND AUTOLYSIS					+++											
LIVER NORMAL MORPHOLOGIC STRUCTURES	0	0				0	0	0	0	0	0	0			0	0
LIVER NO TISSUE SAVED																
LIVER HEPATITIS, NOS																
LIVER NECROSIS, FOCAL																
LIVER AUTOLYSIS																

HASKELL # - 6966 TEST # - 36 MR. # - 1388001 JANUARY 30, 1974
COMPOUND - FREON-12

ANIMAL #	4298	4314	4339	4336	4410	4418	4413	4422	4405	4427	4407	4417	4416	4406	4395	4394
LIVER FATTY CHANGE			+++	++	+								+++	+		
LIVER HEMATOPOIESIS, EXTRAMEDULLARY																
LIVER CHONDROSARCOMA																
LIVER MYELOGENOUS LEUKEMIA, NOS																
PANCREAS EXCEPT ISLETS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0				0	0	0	0	0	0	0	0	0
PANCREAS EXCEPT ISLETS NO TISSUE SAVED																
PANCREAS EXCEPT ISLETS TISSUE NOT EXAMINED						X	X									
PANCREAS EXCEPT ISLETS GRANULOMA																
PANCREAS EXCEPT ISLETS AUTOLYSIS					+++											
TONSIL AND ADENOID AUTOLYSIS																
ESOPHAGUS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0
ESOPHAGUS NO TISSUE SAVED																
ESOPHAGUS TISSUE NOT EXAMINED							X									
ESOPHAGUS RUPTURE, NOS																
ESOPHAGUS GRANULOMA																
ESOPHAGUS LIPOGRANULOMA																
ESOPHAGUS EROSION																
ESOPHAGUS EROSIVE ESOPHAGITIS																
ESOPHAGUS AUTOLYSIS																
ESOPHAGUS FATTY CHANGE																
STOMACH NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0				0	0	0	0	0	0	0	0	0
STOMACH NO TISSUE SAVED																
STOMACH TISSUE NOT EXAMINED						X	X									
STOMACH ULCER, CHRONIC																
STOMACH AUTOLYSIS					+++											
STOMACH MYELOGENOUS LEUKEMIA, NOS																
DUODENUM NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0				0	0	0	0	0	0	0	0	0
DUODENUM NO TISSUE SAVED																
DUODENUM TISSUE NOT EXAMINED						X	X									
DUODENUM AUTOLYSIS					+++											
COLON NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0				0	0	0	0	0	0	0	0	0
COLON NO TISSUE SAVED																
COLON TISSUE NOT EXAMINED						X	X									
COLON AUTOLYSIS					+++											
CECUM NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0				0	0	0	0	0	0	0	0	0
CECUM NO TISSUE SAVED																
CECUM TISSUE NOT EXAMINED						X	X									
CECUM AUTOLYSIS					+++											
KIDNEY NORMAL MORPHOLOGIC STRUCTURES		0		0	0	0	0				0	0	0	0		
KIDNEY NO TISSUE SAVED																

HASKELL # - 6966 TEST # - 36 MR. # - 1388001 JANUARY 30, 1974
COMPOUND - FREON-12

ANIMAL #	4298	4314	4339	4336	4410	4418	4413	4422	4405	4427	4407	4417	4416	4406	4395	4394
KIDNEY TISSUE NOT EXAMINED																
KIDNEY GLOMERULONEPHRITIS, NOS									+++							
KIDNEY GLOMERULONEPHRITIS, FOCAL																
KIDNEY INTERSTITIAL NEPHRITIS	+														+	
KIDNEY AUTOLYSIS								+++		+++						
KIDNEY FATTY CHANGE			+++													
KIDNEY CALCIFICATION, NOS																+
KIDNEY HEMATOPOIESIS, EXTRAMEDULLARY																
KIDNEY CHONDROSARCOMA																
KIDNEY MYELOGENOUS LEUKEMIA, NOS																
URINARY BLADDER NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0			0		0	0	0	0	0	0	0	0
URINARY BLADDER NO TISSUE SAVED																
URINARY BLADDER TISSUE NOT EXAMINED						X		X								
URINARY BLADDER AUTOLYSIS					+++											
URINARY BLADDER CHONDROSARCOMA																
PROSTATE, NOS NORMAL MORPHOLOGIC STRUCTURES																
PROSTATE, NOS NO TISSUE SAVED																
PROSTATE, NOS TISSUE NOT EXAMINED																
PROSTATE, NOS INFLAMMATION, CHRONIC, NOS																
PROSTATE, NOS AUTOLYSIS																
PROSTATE, NOS CHONDROSARCOMA																
TESTIS NORMAL MORPHOLOGIC STRUCTURES																
TESTIS NO TISSUE SAVED																
TESTIS TISSUE NOT EXAMINED																
TESTIS AUTOLYSIS																
TESTIS ATROPHY, NOS																
EPIDIDYMIS NORMAL MORPHOLOGIC STRUCTURES																
EPIDIDYMIS NO TISSUE SAVED																
EPIDIDYMIS TISSUE NOT EXAMINED																
EPIDIDYMIS AUTOLYSIS																
UTERUS, NOS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0				0	0	0	0	0	0	0	0
UTERUS, NOS NO TISSUE SAVED																
UTERUS, NOS TISSUE NOT EXAMINED						X	X	X								
UTERUS, NOS AUTOLYSIS																
FALLOPIAN TUBE NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0				0	0	0	0	0	0	0	0
FALLOPIAN TUBE NO TISSUE SAVED																
FALLOPIAN TUBE TISSUE NOT EXAMINED						X	X	X								
FALLOPIAN TUBE AUTOLYSIS																
OVARY NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0		0		0	0	0	0	0	0	0	0
OVARY NO TISSUE SAVED																

HASKELL # - 6966 TEST # - 36 MR. # - 1388001 JANUARY 30, 1974
COMPOUND - FREON-12

ANIMAL #	4298	4314	4339	4336	4410	4418	4413	4422	4405	4427	4407	4417	4416	4406	4395	4394
OVARY TISSUE NOT EXAMINED						X		X								
OVARY AUTOLYSIS																
PITUITARY GLAND NORMAL MORPHOLOGIC STRUCTURES	0	0		0	0				0	0	0	0		0	0	0
PITUITARY GLAND NO TISSUE SAVED																
PITUITARY GLAND TISSUE NOT EXAMINED						X	X	X								
PITUITARY GLAND AUTOLYSIS																
PITUITARY GLAND HYPERPLASIA, NOS			+													
PITUITARY GLAND ADENOMA, NOS													X			
ADRENAL GLAND NORMAL MORPHOLOGIC STRUCTURES		0	0	0			0	0	0	0	0	0	0	0	0	0
ADRENAL GLAND NO TISSUE SAVED																
ADRENAL GLAND TISSUE NOT EXAMINED						X										
ADRENAL GLAND AUTOLYSIS					+++											
ADRENAL GLAND TELANGIECTASIS	+															
ADRENAL GLAND HEMATOPOIESIS, EXTRAMEDULLARY																
ADRENAL GLAND CHONDROSARCOMA																
THYROID GLAND NORMAL MORPHOLOGIC STRUCTURES			0	0			0					0		0		0
THYROID GLAND NO TISSUE SAVED																
THYROID GLAND TISSUE NOT EXAMINED	X	X			X	X		X	X	X	X		X		X	
THYROID GLAND AUTOLYSIS																
PARATHYROID GLAND NORMAL MORPHOLOGIC STRUCTURES			0				0			0		0			0	0
PARATHYROID GLAND NO TISSUE SAVED				X												
PARATHYROID GLAND TISSUE NOT EXAMINED	X	X			X	X		X	X		X		X	X		
PARATHYROID GLAND AUTOLYSIS																
THYMUS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
THYMUS NO TISSUE SAVED																
THYMUS TISSUE NOT EXAMINED																
THYMUS AUTOLYSIS																
ISLETS OF LANGERHANS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0
ISLETS OF LANGERHANS NO TISSUE SAVED																
ISLETS OF LANGERHANS TISSUE NOT EXAMINED						X										
ISLETS OF LANGERHANS AUTOLYSIS																

HASKELL # - 6966 TEST # - 36 MR. # - 1388001 JANUARY 30, 1974
COMPOUND - FREON-12

ANIMAL #	4396	4530	4531	4496	4497	4499	4498	4529	4510	4540	4521	4626	4627	4598	4599	4601
GROUP #	04	06	06	06	06	06	06	06	06	06	06	08	08	08	08	08
TREATMENT DAYS	381	375	375	375	375	375	375	428	448	480	491	374	374	374	374	374
POST-TREATMENT DAYS																
DIET/DOSE VALUE	00	35	35	35	35	35	35	35	35	35	35	350	350	350	350	350
INITIAL WEIGHT	119	101	103	120	123	130	143	107	100	86	93	112	112	114	119	119
LOW WEIGHT																
FINAL WEIGHT	352	468	555	495	601	640	692	388	396	414	348	423	480	347	382	424
SEX	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F
DIED/SACRIFICED	D	S	S	S	S	S	S	D	S	D	D	S	S	S	S	S
EYE NORMAL MORPHOLOGIC STRUCTURES		0	0	0	0	0	0		0			0	0	0	0	0
EYE NO TISSUE SAVED										X	X					
EYE TISSUE NOT EXAMINED	X															
EYE AUTOLYSIS								+++								
LACRIMAL GLAND NORMAL MORPHOLOGIC STRUCTURES		0	0	0	0	0	0		0		0	0	0	0	0	0
LACRIMAL GLAND NO TISSUE SAVED										X						
LACRIMAL GLAND TISSUE NOT EXAMINED	X															
LACRIMAL GLAND AUTOLYSIS								+++								
LACRIMAL GLAND METAPLASIA																
BRAIN NORMAL MORPHOLOGIC STRUCTURES		0	0	0	0	0	0		0			0	0	0	0	0
BRAIN NO TISSUE SAVED										X	X					
BRAIN TISSUE NOT EXAMINED	X															
BRAIN AUTOLYSIS								+++								
BRAIN RETICULUM CELL SARCOMA																
CERVICAL SPINAL CORD, NOS NORMAL MORPHOLOGIC STRUCTURES		0	0	0	0	0	0		0			0	0	0	0	0
CERVICAL SPINAL CORD, NOS NO TISSUE SAVED										X	X					
CERVICAL SPINAL CORD, NOS TISSUE NOT EXAMINED	X															
CERVICAL SPINAL CORD, NOS AUTOLYSIS								+++								
SCIATIC NERVE NORMAL MORPHOLOGIC STRUCTURES		0	0	0	0	0	0		0			0	0	0	0	0
SCIATIC NERVE NO TISSUE SAVED										X	X					
SCIATIC NERVE TISSUE NOT EXAMINED	X															
SCIATIC NERVE AUTOLYSIS								+++								
SKIN NORMAL MORPHOLOGIC STRUCTURES		0	0	0	0	0	0		0			0	0	0	0	0
SKIN NO TISSUE SAVED								X		X	X					
SKIN TISSUE NOT EXAMINED	X															
SKIN ABSCESS, CHRONIC																
SKIN GRANULOMA																
SKIN AUTOLYSIS																
SKIN FIBROSARCOMA, NOS																
MAMMARY GLAND NORMAL MORPHOLOGIC STRUCTURES		0	0	0	0		0		0				0	0	0	0
MAMMARY GLAND NO TISSUE SAVED								X		X	X					
MAMMARY GLAND TISSUE NOT EXAMINED	X															
MAMMARY GLAND GRANULOMA																
MAMMARY GLAND AUTOLYSIS																

HASKELL # - 6966 TEST # - 36 MR. # - 1388001 JANUARY 30, 1974
COMPOUND - FREON-12

ANIMAL #	4396	4530	4531	4496	4497	4499	4498	4529	4510	4540	4521	4626	4627	4598	4599	4601
MAMMARY GLAND ADENOCARCINOMA, NOS																
MAMMARY GLAND FIBROMA, NOS																
MAMMARY GLAND FIBROADENOMA, NOS						X						X				
BONE MARROW NORMAL MORPHOLOGIC STRUCTURES		0	0	0	0	0	0		0		0	0	0	0	0	0
BONE MARROW NO TISSUE SAVED										X						
BONE MARROW TISSUE NOT EXAMINED																
BONE MARROW AUTOLYSIS								+++								
BONE MARROW HYPOPLASTIC BONE MARROW	+															
BONE MARROW LEUKEMIA, GRANULOCYTIC, NOS																
SPLEEN NORMAL MORPHOLOGIC STRUCTURES		0	0	0	0	0	0		0		0	0	0	0	0	0
SPLEEN NO TISSUE SAVED										X						
SPLEEN TISSUE NOT EXAMINED	X															
SPLEEN AUTOLYSIS								+++								
SPLEEN HEMATOPOIESIS, EXTRAMEDULLARY																
SPLEEN LEUKEMIA, GRANULOCYTIC, NOS																
LYMPH NODE NORMAL MORPHOLOGIC STRUCTURES		0	0	0	0	0	0		0		0	0	0	0	0	0
LYMPH NODE NO TISSUE SAVED										X						
LYMPH NODE TISSUE NOT EXAMINED	X															
LYMPH NODE AUTOLYSIS								+++								
LYMPH NODE LYMPHOID HYPERPLASIA																
LYMPH NODE MYELOGENOUS LEUKEMIA, NOS																
BONE NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0		0		0	0	0	0	0	0
BONE NO TISSUE SAVED										X						
BONE TISSUE NOT EXAMINED																
BONE AUTOLYSIS								+++								
SKELETAL MUSCLE NORMAL MORPHOLOGIC STRUCTURES		0	0	0	0	0	0		0		0	0	0	0	0	0
SKELETAL MUSCLE NO TISSUE SAVED										X						
SKELETAL MUSCLE TISSUE NOT EXAMINED	X															
SKELETAL MUSCLE AUTOLYSIS								+++								
SKELETAL MUSCLE MYELOGENOUS LEUKEMIA, NOS																
TRACHEA NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0		0		0	0	0	0	0	0
TRACHEA NO TISSUE SAVED																
TRACHEA TISSUE NOT EXAMINED																
TRACHEA TRACHEITIS										+++						
TRACHEA LIPOGRANULOMA																
TRACHEA AUTOLYSIS								+++								
LUNG NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0		0			0	0		0	0
LUNG TISSUE NOT EXAMINED														X		
LUNG RUPTURE, NOS																
LUNG PULMONARY EMPHYSEMA																

HASKELL # - 6966 TEST # - 36 MR. # - 1388001 JANUARY 30, 1974
COMPOUND - FREON-12

ANIMAL #	4396	4530	4531	4496	4497	4499	4498	4529	4510	4540	4521	4626	4627	4598	4599	4601
LUNG ATELECTASIS																
LUNG EDEMA, NOS								+++			+++					
LUNG HEMORRHAGE, NOS																
LUNG INFLAMMATION, FOCAL, NOS																
LUNG INFLAMMATION, MULTIFOCAL																
LUNG PNEUMONIA, DIFFUSE										+++						
LUNG PNEUMONIA, LIPID																
LUNG ABSCESS, CHRONIC																
LUNG LIPOGRANULOMA																
LUNG FOREIGN BODY REACTION																
LUNG FIBROSIS FOCAL																
LUNG AUTOLYSIS																
LUNG LYMPHOID HYPERPLASIA																
LUNG CHONDROSARCOMA																
LUNG MYELOGENOUS LEUKEMIA, NOS																
PLEURA NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0			0	0	0	0	0	0	0
PLEURA NO TISSUE SAVED																
PLEURA TISSUE NOT EXAMINED																
PLEURA INFLAMMATION, ACUTE FIBRINOUS																
PLEURA GRANULOMA																
PLEURA LIPOGRANULOMA																
PLEURA AUTOLYSIS								+++								
PLEURA CHONDROSARCOMA																
HEART NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0
HEART NO TISSUE SAVED																
HEART TISSUE NOT EXAMINED																
HEART AUTOLYSIS								+++								
AORTA NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0
AORTA NO TISSUE SAVED																
AORTA TISSUE NOT EXAMINED																
AORTA AUTOLYSIS								+++								
SALIVARY GLAND NORMAL MORPHOLOGIC STRUCTURES		0	0	0	0	0	0		0	0	0	0	0	0	0	0
SALIVARY GLAND NO TISSUE SAVED																
SALIVARY GLAND TISSUE NOT EXAMINED	X															
SALIVARY GLAND AUTOLYSIS								+++								
LIVER NORMAL MORPHOLOGIC STRUCTURES		0	0										0	0	0	0
LIVER NO TISSUE SAVED																
LIVER HEPATITIS, NOS											+					
LIVER NECROSIS, FOCAL																
LIVER AUTOLYSIS								+++								

HASKELL # - 6966 TEST # - 36 MR. # - 1388001 JANUARY 30, 1974
COMPOUND - FREON-12

ANIMAL #	4396	4530	4531	4496	4497	4499	4498	4529	4510	4540	4521	4626	4627	4598	4599	4601
LIVER FATTY CHANGE	+++			+	++	+	+		++	+++	++	+				
LIVER HEMATOPOIESIS, EXTRAMEDULLARY											++					
LIVER CHONDROSARCOMA																
LIVER MYELOGENOUS LEUKEMIA, NOS																
PANCREAS EXCEPT ISLETS NORMAL MORPHOLOGIC STRUCTURES		0	0	0	0	0	0		0			0	0	0	0	0
PANCREAS EXCEPT ISLETS NO TISSUE SAVED										X	X					
PANCREAS EXCEPT ISLETS TISSUE NOT EXAMINED	X															
PANCREAS EXCEPT ISLETS GRANULOMA																
PANCREAS EXCEPT ISLETS AUTOLYSIS								+++								
TONSIL AND ADENOID AUTOLYSIS																
ESOPHAGUS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0		0			0	0	0	0	0
ESOPHAGUS NO TISSUE SAVED																
ESOPHAGUS TISSUE NOT EXAMINED																
ESOPHAGUS RUPTURE, NOS										+++						
ESOPHAGUS GRANULOMA																
ESOPHAGUS LIPOGRANULOMA																
ESOPHAGUS EROSION																
ESOPHAGUS EROSIVE ESOPHAGITIS											++					
ESOPHAGUS AUTOLYSIS								+++								
ESOPHAGUS FATTY CHANGE																
STOMACH NORMAL MORPHOLOGIC STRUCTURES		0	0	0	0	0	0					0	0	0	0	0
STOMACH NO TISSUE SAVED										X	X					
STOMACH TISSUE NOT EXAMINED	X															
STOMACH ULCER, CHRONIC									++							
STOMACH AUTOLYSIS								+++								
STOMACH MYELOGENOUS LEUKEMIA, NOS																
DUODENUM NORMAL MORPHOLOGIC STRUCTURES		0	0	0	0	0	0		0			0	0	0	0	0
DUODENUM NO TISSUE SAVED										X	X					
DUODENUM TISSUE NOT EXAMINED	X															
DUODENUM AUTOLYSIS								+++								
COLON NORMAL MORPHOLOGIC STRUCTURES		0	0	0	0	0	0		0			0	0	0	0	0
COLON NO TISSUE SAVED										X	X					
COLON TISSUE NOT EXAMINED	X															
COLON AUTOLYSIS								+++								
CECUM NORMAL MORPHOLOGIC STRUCTURES		0	0	0	0	0	0		0			0	0	0	0	0
CECUM NO TISSUE SAVED										X	X					
CECUM TISSUE NOT EXAMINED	X															
CECUM AUTOLYSIS								+++								
KIDNEY NORMAL MORPHOLOGIC STRUCTURES		0	0	0	0	0	0				0	0	0	0	0	0
KIDNEY NO TISSUE SAVED																

HASKELL # - 6966 TEST # - 36 MR. # - 1388001 JANUARY 30, 1974
COMPOUND - FREON-12

ANIMAL #	4396	4530	4531	4496	4497	4499	4498	4529	4510	4540	4521	4626	4627	4598	4599	4601
KIDNEY TISSUE NOT EXAMINED																
KIDNEY GLOMERULONEPHRITIS, NOS																
KIDNEY GLOMERULONEPHRITIS, FOCAL																
KIDNEY INTERSTITIAL NEPHRITIS	+++															
KIDNEY AUTOLYSIS								+++		+++						
KIDNEY FATTY CHANGE									+							
KIDNEY CALCIFICATION, NOS																
KIDNEY HEMATOPOIESIS, EXTRAMEDULLARY																
KIDNEY CHONDROSARCOMA																
KIDNEY MYELOGENOUS LEUKEMIA, NOS																
URINARY BLADDER NORMAL MORPHOLOGIC STRUCTURES		0	0	0	0	0	0		0			0	0	0	0	0
URINARY BLADDER NO TISSUE SAVED										X	X					
URINARY BLADDER TISSUE NOT EXAMINED	X															
URINARY BLADDER AUTOLYSIS								+++								
URINARY BLADDER CHONDROSARCOMA																
PROSTATE, NOS NORMAL MORPHOLOGIC STRUCTURES																
PROSTATE, NOS NO TISSUE SAVED																
PROSTATE, NOS TISSUE NOT EXAMINED																
PROSTATE, NOS INFLAMMATION, CHRONIC, NOS																
PROSTATE, NOS AUTOLYSIS																
PROSTATE, NOS CHONDROSARCOMA																
TESTIS NORMAL MORPHOLOGIC STRUCTURES																
TESTIS NO TISSUE SAVED																
TESTIS TISSUE NOT EXAMINED																
TESTIS AUTOLYSIS																
TESTIS ATROPHY, NOS																
EPIDIDYMIS NORMAL MORPHOLOGIC STRUCTURES																
EPIDIDYMIS NO TISSUE SAVED																
EPIDIDYMIS TISSUE NOT EXAMINED																
EPIDIDYMIS AUTOLYSIS																
UTERUS, NOS NORMAL MORPHOLOGIC STRUCTURES		0	0	0	0	0	0		0		0	0	0	0	0	0
UTERUS, NOS NO TISSUE SAVED										X						
UTERUS, NOS TISSUE NOT EXAMINED	X															
UTERUS, NOS AUTOLYSIS								+++								
FALLOPIAN TUBE NORMAL MORPHOLOGIC STRUCTURES		0	0	0	0	0	0		0			0	0	0	0	0
FALLOPIAN TUBE NO TISSUE SAVED										X	X					
FALLOPIAN TUBE TISSUE NOT EXAMINED	X															
FALLOPIAN TUBE AUTOLYSIS								+++								
OVARY NORMAL MORPHOLOGIC STRUCTURES		0	0	0	0	0	0		0			0	0	0	0	0
OVARY NO TISSUE SAVED										X	X					

HASKELL # - 6966 TEST # - 36 MR. # - 1388001 JANUARY 30, 1974
COMPOUND - FREON-12

ANIMAL #	4396	4530	4531	4496	4497	4499	4498	4529	4510	4540	4521	4626	4627	4598	4599	4601
OVARY TISSUE NOT EXAMINED	X															
OVARY AUTOLYSIS								+++								
PITUITARY GLAND NORMAL MORPHOLOGIC STRUCTURES		0	0	0	0		0					0	0	0	0	0
PITUITARY GLAND NO TISSUE SAVED										X	X					
PITUITARY GLAND TISSUE NOT EXAMINED	X															
PITUITARY GLAND AUTOLYSIS								+++								
PITUITARY GLAND HYPERPLASIA, NOS						+										
PITUITARY GLAND ADENOMA, NOS									X							
ADRENAL GLAND NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0					0	0	0	0	0
ADRENAL GLAND NO TISSUE SAVED										X	X					
ADRENAL GLAND TISSUE NOT EXAMINED																
ADRENAL GLAND AUTOLYSIS								+++								
ADRENAL GLAND TELANGIECTASIS									+							
ADRENAL GLAND HEMATOPOIESIS, EXTRAMEDULLARY																
ADRENAL GLAND CHONDROSARCOMA																
THYROID GLAND NORMAL MORPHOLOGIC STRUCTURES			0	0	0	0	0		0		0			0	0	
THYROID GLAND NO TISSUE SAVED										X						
THYROID GLAND TISSUE NOT EXAMINED	X	X										X	X			X
THYROID GLAND AUTOLYSIS								+++								
PARATHYROID GLAND NORMAL MORPHOLOGIC STRUCTURES				0		0	0		0						0	0
PARATHYROID GLAND NO TISSUE SAVED										X	X					
PARATHYROID GLAND TISSUE NOT EXAMINED	X	X	X		X							X	X	X		
PARATHYROID GLAND AUTOLYSIS								+++								
THYMUS NORMAL MORPHOLOGIC STRUCTURES		0	0	0	0	0	0		0		0	0	0		0	0
THYMUS NO TISSUE SAVED										X						
THYMUS TISSUE NOT EXAMINED	X													X		
THYMUS AUTOLYSIS								+++								
ISLETS OF LANGERHANS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0		0			0	0	0	0	0
ISLETS OF LANGERHANS NO TISSUE SAVED										X	X					
ISLETS OF LANGERHANS TISSUE NOT EXAMINED																
ISLETS OF LANGERHANS AUTOLYSIS								+++								

HASKELL # - 6966 TEST # - 36 MR. # - 1388001 JANUARY 30, 1974
COMPOUND - FREON-12

ANIMAL #	4600	4614	4615	4642												
GROUP #	08	08	08	08												
TREATMENT DAYS	374	406	448	452												
POST-TREATMENT DAYS																
DIET/DOSE VALUE	350	350	350	350	00	00	00	00	00	00	00	00	00	00	00	00
INITIAL WEIGHT	126	112	110	119												
LOW WEIGHT																
FINAL WEIGHT	507	472	428	433												
SEX	F	F	F	F												
DIED/SACRIFICED	S	S	D	D												
EYE NORMAL MORPHOLOGIC STRUCTURES	0	0		0												
EYE NO TISSUE SAVED			X													
EYE TISSUE NOT EXAMINED																
EYE AUTOLYSIS																
LACRIMAL GLAND NORMAL MORPHOLOGIC STRUCTURES	0	0		0												
LACRIMAL GLAND NO TISSUE SAVED			X													
LACRIMAL GLAND TISSUE NOT EXAMINED																
LACRIMAL GLAND AUTOLYSIS																
LACRIMAL GLAND METAPLASIA																
BRAIN NORMAL MORPHOLOGIC STRUCTURES	0	0														
BRAIN NO TISSUE SAVED			X													
BRAIN TISSUE NOT EXAMINED																
BRAIN AUTOLYSIS				++												
BRAIN RETICULUM CELL SARCOMA																
CERVICAL SPINAL CORD, NOS NORMAL MORPHOLOGIC STRUCTURES	0	0		0												
CERVICAL SPINAL CORD, NOS NO TISSUE SAVED			X													
CERVICAL SPINAL CORD, NOS TISSUE NOT EXAMINED																
CERVICAL SPINAL CORD, NOS AUTOLYSIS																
SCIATIC NERVE NORMAL MORPHOLOGIC STRUCTURES	0	0		0												
SCIATIC NERVE NO TISSUE SAVED			X													
SCIATIC NERVE TISSUE NOT EXAMINED																
SCIATIC NERVE AUTOLYSIS																
SKIN NORMAL MORPHOLOGIC STRUCTURES	0	0														
SKIN NO TISSUE SAVED			X	X												
SKIN TISSUE NOT EXAMINED																
SKIN ABSCESS, CHRONIC																
SKIN GRANULOMA																
SKIN AUTOLYSIS																
SKIN FIBROSARCOMA, NOS																
MAMMARY GLAND NORMAL MORPHOLOGIC STRUCTURES	0	0														
MAMMARY GLAND NO TISSUE SAVED			X	X												
MAMMARY GLAND TISSUE NOT EXAMINED																
MAMMARY GLAND GRANULOMA																
MAMMARY GLAND AUTOLYSIS																

HASKELL # - 6966 TEST # - 36 MR. # - 1388001 JANUARY 30, 1974
COMPOUND - FREON-12

ANIMAL #	4600	4614	4615	4642
MAMMARY GLAND ADENOCARCINOMA, NOS				
MAMMARY GLAND FIBROMA, NOS				
MAMMARY GLAND FIBROADENOMA, NOS				
BONE MARROW NORMAL MORPHOLOGIC STRUCTURES	0	0		0
BONE MARROW NO TISSUE SAVED			X	
BONE MARROW TISSUE NOT EXAMINED				
BONE MARROW AUTOLYSIS				
BONE MARROW HYPOPLASTIC BONE MARROW				
BONE MARROW LEUKEMIA, GRANULOCYTIC, NOS				
SPLEEN NORMAL MORPHOLOGIC STRUCTURES	0	0		0
SPLEEN NO TISSUE SAVED			X	
SPLEEN TISSUE NOT EXAMINED				
SPLEEN AUTOLYSIS				
SPLEEN HEMATOPOIESIS, EXTRAMEDULLARY				
SPLEEN LEUKEMIA, GRANULOCYTIC, NOS				
LYMPH NODE NORMAL MORPHOLOGIC STRUCTURES	0	0		0
LYMPH NODE NO TISSUE SAVED			X	
LYMPH NODE TISSUE NOT EXAMINED				
LYMPH NODE AUTOLYSIS				
LYMPH NODE LYMPHOID HYPERPLASIA				
LYMPH NODE MYELOGENOUS LEUKEMIA, NOS				
BONE NORMAL MORPHOLOGIC STRUCTURES	0	0		0
BONE NO TISSUE SAVED			X	
BONE TISSUE NOT EXAMINED				
BONE AUTOLYSIS				
SKELETAL MUSCLE NORMAL MORPHOLOGIC STRUCTURES	0	0		0
SKELETAL MUSCLE NO TISSUE SAVED			X	
SKELETAL MUSCLE TISSUE NOT EXAMINED				
SKELETAL MUSCLE AUTOLYSIS				
SKELETAL MUSCLE MYELOGENOUS LEUKEMIA, NOS				
TRACHEA NORMAL MORPHOLOGIC STRUCTURES	0	0		
TRACHEA NO TISSUE SAVED			X	
TRACHEA TISSUE NOT EXAMINED				
TRACHEA TRACHEITIS				+++
TRACHEA LIPOGRANULOMA				
TRACHEA AUTOLYSIS				
LUNG NORMAL MORPHOLOGIC STRUCTURES	0			
LUNG TISSUE NOT EXAMINED				
LUNG RUPTURE, NOS				
LUNG PULMONARY EMPHYSEMA				

HASKELL # - 6966 TEST # - 36 MR. # - 1388001 JANUARY 30, 1974
COMPOUND - FREON-12

ANIMAL #	4600	4614	4615	4642
LUNG ATELECTASIS				
LUNG EDEMA, NOS			++	
LUNG HEMORRHAGE, NOS				
LUNG INFLAMMATION, FOCAL, NOS				
LUNG INFLAMMATION, MULTIFOCAL				
LUNG PNEUMONIA, DIFFUSE		+++		+++
LUNG PNEUMONIA, LIPID				
LUNG ABSCESS, CHRONIC				
LUNG LIPOGRANULOMA				
LUNG FOREIGN BODY REACTION				
LUNG FIBROSIS FOCAL				
LUNG AUTOLYSIS				
LUNG LYMPHOID HYPERPLASIA				
LUNG CHONDROSARCOMA				
LUNG MYELOGENOUS LEUKEMIA, NOS				
PLEURA NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0
PLEURA NO TISSUE SAVED				
PLEURA TISSUE NOT EXAMINED				
PLEURA INFLAMMATION, ACUTE FIBRINOUS				
PLEURA GRANULOMA				
PLEURA LIPOGRANULOMA				
PLEURA AUTOLYSIS				
PLEURA CHONDROSARCOMA				
HEART NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0
HEART NO TISSUE SAVED				
HEART TISSUE NOT EXAMINED				
HEART AUTOLYSIS				
AORTA NORMAL MORPHOLOGIC STRUCTURES	0	0		0
AORTA NO TISSUE SAVED			X	
AORTA TISSUE NOT EXAMINED				
AORTA AUTOLYSIS				
SALIVARY GLAND NORMAL MORPHOLOGIC STRUCTURES	0	0		0
SALIVARY GLAND NO TISSUE SAVED			X	
SALIVARY GLAND TISSUE NOT EXAMINED				
SALIVARY GLAND AUTOLYSIS				
LIVER NORMAL MORPHOLOGIC STRUCTURES	0			0
LIVER NO TISSUE SAVED				
LIVER HEPATITIS, NOS				
LIVER NECROSIS, FOCAL				
LIVER AUTOLYSIS				

HASKELL # - 6966 TEST # - 36 MR. # - 1388001 JANUARY 30, 1974
COMPOUND - FREON-12

ANIMAL #	4600	4614	4615	4642
LIVER FATTY CHANGE		++	++	
LIVER HEMATOPOIESIS, EXTRAMEDULLARY				
LIVER CHONDROSARCOMA				
LIVER MYELOGENOUS LEUKEMIA, NOS				
PANCREAS EXCEPT ISLETS NORMAL MORPHOLOGIC STRUCTURES	0	0		0
PANCREAS EXCEPT ISLETS NO TISSUE SAVED			X	
PANCREAS EXCEPT ISLETS TISSUE NOT EXAMINED				
PANCREAS EXCEPT ISLETS GRANULOMA				
PANCREAS EXCEPT ISLETS AUTOLYSIS				
TONSIL AND ADENOID AUTOLYSIS				
ESOPHAGUS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0
ESOPHAGUS NO TISSUE SAVED				
ESOPHAGUS TISSUE NOT EXAMINED				
ESOPHAGUS RUPTURE, NOS				
ESOPHAGUS GRANULOMA				
ESOPHAGUS LIPOGRANULOMA				
ESOPHAGUS EROSION				
ESOPHAGUS EROSIVE ESOPHAGITIS				
ESOPHAGUS AUTOLYSIS				
ESOPHAGUS FATTY CHANGE				
STOMACH NORMAL MORPHOLOGIC STRUCTURES	0	0		0
STOMACH NO TISSUE SAVED			X	
STOMACH TISSUE NOT EXAMINED				
STOMACH ULCER, CHRONIC				
STOMACH AUTOLYSIS				
STOMACH MYELOGENOUS LEUKEMIA, NOS				
DUODENUM NORMAL MORPHOLOGIC STRUCTURES	0	0		0
DUODENUM NO TISSUE SAVED			X	
DUODENUM TISSUE NOT EXAMINED				
DUODENUM AUTOLYSIS				
COLON NORMAL MORPHOLOGIC STRUCTURES	0	0		0
COLON NO TISSUE SAVED			X	
COLON TISSUE NOT EXAMINED				
COLON AUTOLYSIS				
CECUM NORMAL MORPHOLOGIC STRUCTURES	0	0		0
CECUM NO TISSUE SAVED			X	
CECUM TISSUE NOT EXAMINED				
CECUM AUTOLYSIS				
KIDNEY NORMAL MORPHOLOGIC STRUCTURES	0			
KIDNEY NO TISSUE SAVED				

HASKELL # - 6966 TEST # - 36 MR. # - 1388001 JANUARY 30, 1974
COMPOUND - FREON-12

ANIMAL #	4600	4614	4615	4642
KIDNEY TISSUE NOT EXAMINED				
KIDNEY GLOMERULONEPHRITIS, NOS				
KIDNEY GLOMERULONEPHRITIS, FOCAL				
KIDNEY INTERSTITIAL NEPHRITIS				
KIDNEY AUTOLYSIS			+++	++
KIDNEY FATTY CHANGE		+		
KIDNEY CALCIFICATION, NOS				
KIDNEY HEMATOPOIESIS, EXTRAMEDULLARY				
KIDNEY CHONDROSARCOMA				
KIDNEY MYELOGENOUS LEUKEMIA, NOS				
URINARY BLADDER NORMAL MORPHOLOGIC STRUCTURES	0	0		0
URINARY BLADDER NO TISSUE SAVED			X	
URINARY BLADDER TISSUE NOT EXAMINED				
URINARY BLADDER AUTOLYSIS				
URINARY BLADDER CHONDROSARCOMA				
PROSTATE, NOS NORMAL MORPHOLOGIC STRUCTURES				
PROSTATE, NOS NO TISSUE SAVED				
PROSTATE, NOS TISSUE NOT EXAMINED				
PROSTATE, NOS INFLAMMATION, CHRONIC, NOS				
PROSTATE, NOS AUTOLYSIS				
PROSTATE, NOS CHONDROSARCOMA				
TESTIS NORMAL MORPHOLOGIC STRUCTURES				
TESTIS NO TISSUE SAVED				
TESTIS TISSUE NOT EXAMINED				
TESTIS AUTOLYSIS				
TESTIS ATROPHY, NOS				
EPIDIDYMIS NORMAL MORPHOLOGIC STRUCTURES				
EPIDIDYMIS NO TISSUE SAVED				
EPIDIDYMIS TISSUE NOT EXAMINED				
EPIDIDYMIS AUTOLYSIS				
UTERUS, NOS NORMAL MORPHOLOGIC STRUCTURES	0	0		0
UTERUS, NOS NO TISSUE SAVED			X	
UTERUS, NOS TISSUE NOT EXAMINED				
UTERUS, NOS AUTOLYSIS				
FALLOPIAN TUBE NORMAL MORPHOLOGIC STRUCTURES	0	0		0
FALLOPIAN TUBE NO TISSUE SAVED			X	
FALLOPIAN TUBE TISSUE NOT EXAMINED				
FALLOPIAN TUBE AUTOLYSIS				
OVARY NORMAL MORPHOLOGIC STRUCTURES	0	0		0
OVARY NO TISSUE SAVED			X	

HASKELL # - 6966 TEST # - 36 MR. # - 1388001 JANUARY 30, 1974
COMPOUND - FREON-12

ANIMAL #	4600	4614	4615	4642
OVARY TISSUE NOT EXAMINED				
OVARY AUTOLYSIS				
PITUITARY GLAND NORMAL MORPHOLOGIC STRUCTURES	0	0		0
PITUITARY GLAND NO TISSUE SAVED				
PITUITARY GLAND TISSUE NOT EXAMINED				
PITUITARY GLAND AUTOLYSIS				
PITUITARY GLAND HYPERPLASIA, NOS				
PITUITARY GLAND ADENOMA, NOS			X	
ADRENAL GLAND NORMAL MORPHOLOGIC STRUCTURES	0	0		0
ADRENAL GLAND NO TISSUE SAVED			X	
ADRENAL GLAND TISSUE NOT EXAMINED				
ADRENAL GLAND AUTOLYSIS				
ADRENAL GLAND TELANGIECTASIS				
ADRENAL GLAND HEMATOPOIESIS, EXTRAMEDULLARY				
ADRENAL GLAND CHONDROSARCOMA				
THYROID GLAND NORMAL MORPHOLOGIC STRUCTURES		0		
THYROID GLAND NO TISSUE SAVED			X	X
THYROID GLAND TISSUE NOT EXAMINED	X			
THYROID GLAND AUTOLYSIS				
PARATHYROID GLAND NORMAL MORPHOLOGIC STRUCTURES		0		0
PARATHYROID GLAND NO TISSUE SAVED			X	
PARATHYROID GLAND TISSUE NOT EXAMINED	X			
PARATHYROID GLAND AUTOLYSIS				
THYMUS NORMAL MORPHOLOGIC STRUCTURES	0	0		0
THYMUS NO TISSUE SAVED			X	
THYMUS TISSUE NOT EXAMINED				
THYMUS AUTOLYSIS				
ISLETS OF LANGERHANS NORMAL MORPHOLOGIC STRUCTURES	0	0		0
ISLETS OF LANGERHANS NO TISSUE SAVED			X	
ISLETS OF LANGERHANS TISSUE NOT EXAMINED				
ISLETS OF LANGERHANS AUTOLYSIS				

TABLE XXX

Group I - Control Male Rats - Histopathology - 24 Month Sacrifice

Rat No.	Mode of death D-Died; S-Sacrificed Days on test	Fatty change, liver	Bile duct prolifer-ation, liver	Chronic nephritis	Metaplasia, exorbital lacrimal gland	Focal pneumonia	Tracheitis	Other Lesions
134254	S-511	+	+	++	0	-	-	Hyperplasia, spleen; subendocardial fibrosis, heart; subcutaneous abscess, inguinal area; leukocytosis, intravascular.
134269	S-547	++	+	+	++	+	-	Hyperplasia, pituitary; fibrosarcoma, skin, pectoral; atelectasis and hemosiderin, lung.
134286	S-547	++	-	+++	-	-	-	Submucosal edema, stomach; pituitary tumor; brain compression from pituitary adenoma; arteritis, testis.
134288	S-547	+++	-	+	+	+	+	Fatty kidney; dermatitis, eyelid.
134266	D-547	-	-	+	-	-	-	Pancreatic, mesenteric and testicular arteritis; glomerulitis; congestion, lung; liver, congestion.
134293	D-643	-	-	+	+	-	-	Pheochromocytoma, adrenal; pulmonary edema; pulmonary and liver congestion.
134287	S-667	+	+	+++	0	+	-	Pituitary tumor; glomerulitis; pancreatic and testicular arteritis; squamous stomach ulceration; focal hyperplasia, prostate.
134282	D-677	++	A	A	A	++	A	
134272	S-682	-	-	+++	0	-	-	Gastritis, squamous stomach; atrophy, testis; pancreatic arteritis; pancreatic metaplasia; cardiac muscle atrophy; calcification, various arteries.
134270	D-688	+	++	+++	0	-	-	Neurofibrosarcoma, abdominal skin; hyperplasia, pituitary.

Code: - = No abnormalities detected.
0 = No tissue available.
A = Advanced autolysis.

+ = Slight degree of lesion present.
++ = Moderate degree of lesion present.
+++ = Marked degree of lesion present.

Organs examined include: mammary gland, exorbital lacrimal gland, thymus, spleen, lymph nodes, bone marrow, sternal bone, trachea, lung, heart, aorta, salivary glands, stomach, duodenum, cecum, colon, pancreas, liver, esophagus, kidney, testis, epididymis, prostate, urinary bladder, pituitary, thyroid, parathyroid, adrenal, brain, spinal cord, sciatic nerve, skeletal muscle, eye, skin.

TABLE XXX (Continued)

Group I - Control Male Rats - Histopathology - 24 Month Sacrifice

Rat No.	Mode of death D-Died;S-Sacrificed Days on test	Fatty change, liver	Bile duct proliferation, liver	Chronic nephritis	Metaplasia, exorbital lacrimal gland	Focal pneumonia	Tracheitis	Other Lesions
134248	D-697	++	++	+	++	+++	+++	Marked diffuse suppurative pneumonia; suppurative prostatitis; bilateral suppurative keratitis.
134291	S-697	++	++	+++	0	-	-	Glomerulitis; pituitary tumor; pheochromocytoma, adrenal; suppurative peritonitis; abscess and atrophy, leg muscle.
134290	S-697	-	-	+	+++	++	-	Interstitial cell adenoma, left testis; slight bronchopneumonia with Langhans giant cells.
134247	D-708	+	-	++	+	++	-	Prostatitis; focal necrosis, liver; pleural adhesions.
134268	D-708	++	-	+	0	+	-	Focal hyperplasia, pituitary; focal hyperplasia, adrenal; fibroma, pectoral skin; reticulum cell sarcoma, histiocytic type, liver, metastatic to lungs; necrosis, liver.
134280	S-708	-	-	+++	+++	-	-	Keratitis, bilateral; calcification, various blood vessels; glomerulitis, renal hyperplasia; parathyroid hyperplasia, pheochromocytoma, adrenal; hyperplasia, pituitary; fibrosis, heart; necrosis and calcification, stomach muscle; excess bone, sternum; hyperplasia, pituitary.
134277	S-715	-	++	+	-	-	-	Keratitis, bilateral; fibrosis, prostate; fibroma, pectoral skin; angiosarcoma, perineal skin; erosion, glandular stomach.
134271	S-729	++	+	+	+++	+++	+++	Benign mesothelioma, testis and epididymis; atrophy, testis; severe bronchopneumonia.
134257	S-731	-	+	+	0	+	-	Atrophy, testis; fibrosis, heart.
134258	S-731	-	+	++	+	-	-	Pituitary tumor.

Code: + = Slight degree of lesion present.
++ = Moderate degree of lesion present.
+++ = Marked degree of lesion present.
- = No abnormalities detected.
0 = No tissue available.

TABLE XXX (Continued)

Group I - Control Male Rats - Histopathology - 24 Month Sacrifice

Rat No.	Mode of death D-Died; S-Sacrificed Days on test	Fatty change, liver	Bile duct prolifer-ation, liver	Chronic nephritis	Metaplasia, exorbital lacrimal gland	Focal pneumonia	Tracheitis	Other Lesions
134259	S-731	+	+	++	++	-	-	Islet cell adenoma; edema, testis.
134262	S-731	-	+	-	-	-	-	Focal hyperplasia, pituitary; islet cell adenoma; edema, testis
134263	S-731	+	++	++	+	-	-	Adenoma, pancreas.
134273	S-731	-	++	++	+++	++	-	Metaplasia, pancreas; Langhans giant cells in lungs.
134276	S-731	+	++	++	-	+	-	Light cell adenoma, thyroid; hyperplasia, parathyroid; prostatitis; adenomatous hyperplasia, kidney; arteritis, testis; hyperplasia, pituitary.
134281	S-731	+	+	++	-	-	-	
134283	S-731	-	+	++	-	-	-	Fibrosis, heart; keratoacanthoma, squamous stomach; ulceration, squamous stomach.
134284	S-731	-	+++	++	-	++	-	Fibrosis, heart; bronchiectasis; fibroma, stomach; ulceration and fibrosis, stomach; plasma cell peritonitis, vacuolated giant cells in fibroma.
134289	S-731	-	++	++	++	-	-	Hyperplasia, adrenal medulla; fibrosis, heart.

Code:
- = No abnormalities detected.
+ = Slight degree of lesion present.
++ = Moderate degree of lesion present.
+++ = Marked degree of lesion present.

TABLE XXX (Continued)

Group I - Control Male Rats - Histopathology - 24 Month Sacrifice

Rat No.	Mode of death D-Died; S-Sacrificed Days on test	Fatty change, liver	Bile duct proliferation, liver	Chronic nephritis	Metaplasia, exorbital lacrimal gland	Focal pneumonia	Tracheitis	
134244	S-731	+	-	++	+	++	-	Vacuolated macrophages, lung.
134245	S-731	++	+	++	-	-	-	Pheochromocytoma, adrenal; prostatitis.
134246	S-731	+	++	++	-	++	-	Adenoma, pancreas; arteritis, liver; lipid granuloma, lung with bronchiole proliferation.
134249	S-731	+	++	+	++	+	-	Plasma cell peritonitis; lipid granuloma, lung; cholesterol granuloma, thymal fat; nuclear vacuolation, liver; fibrosis, heart; vacuolated giant cells in fibroma; fibroma, stomach.
134250	S-731	+	+++	++	+++	-	-	Hyperplasia, thymus.
134251	S-731	+	++	-	++	-	-	Islet cell adenoma; parasite, colon.
134252	S-731	+	++	++	++	-	-	Focal hyperplasia, pituitary.
134253	S-731	+	++	+	++	-	-	
134255	S-731	-	+	+	+	-	-	Focal hyperplasia, pituitary; subendocardial fibroplasia; fibrosis, heart.

Code: - = No abnormalities detected.
+ = Slight degree of lesion present.
++ = Moderate degree of lesion present.
+++ = Marked degree of lesion present.

TABLE XXXI

Group III - Control Male Rats - Histopathology - 24 Month Sacrifice

Rat No.	Mode of death D-Died; S-Sacrificed Days on test	Fatty change, liver	Bile duct prolifer-ation, liver	Chronic nephritis	Metaplasia, exorbital lacrimal gland	Focal pneumonia	Tracheitis	Fibrosis, heart	Other Lesions
134391	S-518	-	-	-	-	++	-	-	Bronchiectasis.
134354	D-566	+	-	A	-	+++	-	-	Abscess, near salivary gland; severe bronchiopneumonia; prostatitis.
134370	D-583	A	A	A	A	A	A	A	Atrophy, testis; lipid pleuritis and pericarditis (traumatic)
134373	S-533	+	-	+	-	-	-	-	Glioma, cerebrum, brain; ulcer, squamous stomach.
134389	D-590	A	A	A	A	A	A	A	Marked lung edema.
134381	D-620	A	A	A	A	A	A	A	Atrophy, spleen; suppurative pneumonia.
134368	D-651	A	A	+++	A	A	A	A	Adenoma, pituitary; marked pulmonary edema.
134378	D-616	A	A	A	A	A	A	A	
134361	D-710	+	A	A	A	A	+++	A	Pyelonephritis; bronchopneumonia.
134355	S-715	++	+	++	-	-	-	-	Ulceration, squamous stomach; carcinoma, pituitary.

Code: - = No abnormalities detected.
A = Advanced autolysis.
+ = Slight degree of lesion present.
++ = Moderate degree of lesion present.
+++ = Marked degree of lesion present.

Organs examined include: mammary gland, exorbital lacrimal gland, thymus, spleen, lymph nodes, bone marrow, sternal bone, trachea, lung, heart, aorta, salivary glands, stomach, duodenum, cecum, colon, pancreas, liver, esophagus, kidney, testis, epididymis, prostate, urinary bladder, pituitary, thyroid, parathyroid, adrenal, brain, spinal cord, sciatic nerve, skeletal muscle, eye, skin.

TABLE XXXI (Continued)

Group III - Control Male Rats - Histopathology - 24 Month Sacrifice

Rat No.	Mode of death D=Died; S=Sacrificed Days on test	Fatty change, liver	Bile duct proliferation, liver	Chronic nephritis	Metaplasia, exorbital lacrimal gland	Focal pneumonia	Tracheitis	Fibrosis, heart	Other Lesions
134364	S-715	++	+	++	-	-	-	+	Atrophy, spleen; ulcer, squamous stomach; glioma, cerebrum, brain.
134349	S-739	+	-	+++	-	++	-	-	Bronchiectasis.
134358	S-739	+	+	+	-	-	-	-	Slight atrophy, testis.
134359	S-739	+	-	++	-	-	-	+	Papilloma, urinary bladder.
134360	S-739	-	-	++	-	++	-	-	
134362	S-739	-	++	+++	++	+	-	+	Arteritis, testis; arteritis (early) pancreas; focal hyperplasia, kidney; glomerulitis; marked hyperplasia, parathyroid.
134363	S-739	-	-	+	-	+	-	-	
134365	S-739	-	-	+	-	+	-	+	Bronchiectasis.
134366	S-739	-	-	-	+	+	-	-	Papillary adenocarcinoma, kidney (prominent stroma); pancreatic tissue adhered to kidney.
134367	S-739	+	-	++	-	-	-	-	Glioma, cerebrum; pleural lipid granuloma.

Code: - = No abnormalities detected.
+ = Slight degree of lesion present.
++ = Moderate degree of lesion present.
+++ = Marked degree of lesion present.

TABLE XXXI (Continued)

Group III - Control Male Rats - Histopathology - 24 Month Sacrifice

Rat No.	Mode of death D-Died; S-Sacrificed Days on test	Fatty change, liver	Bile duct proliferation, liver	Chronic nephritis	Metaplasia, exorbital lacrimal gland	Focal pneumonia	Tracheitis	Fibrosis, heart	Other Lesions
134374	S-739	-	+	+	-	-	-	-	Fatty change, epididymis; pleural lipid granulomata; thymal lymph node hyperplasia; unilateral testicular germinal atrophy with interstitial cell hyperplasia.
134375	S-739	-	+	+	-	-	-	-	Arteritis, testis; atrophy, left testis; pyelonephritis, slight.
134377	S-739	-	-	+	-	-	-	-	Angiosarcoma, with osseous metaplasia, inguinal subcutis.
134379	S-739	-	-	-	-	-	-	-	Hydronephrosis, right kidney; hyperplasia, pituitary.
134380	S-739	++	+	+	-	-	-	-	Atrophy, testis.
134388	S-739	-	-	+	-	-	-	-	
134390	S-739	+	-	-	-	+	-	-	Valvular fibrosis, heart; focal light cell hyperplasia, thyroid; abscess cervical area; lung abscess with osseous metaplasia.
134392	S-739	-	+	++	+++	+	-	-	Bronchiectasis; mesothelioma, atrioventricular node; light cell hyperplasia, thyroid; bronchiectasis; angiosarcoma, testis.
134357	S-739	+	-	+	-	++	-	-	Fatty change, epididymus; bronchiectasis; muscle atrophy, hind legs.
134350	D-709	+	+	+	A	+++	+++	A	Severe bronchopneumonia and lung abscess; hyperplasia, parathyroid; hyperplasia, pituitary; hyperplasia, adrenal medulla.
134369	S-730	-	++	+	-	++	-	-	Lipid pneumonia (giant cells).

Code: - = No abnormalities detected. A = Advanced autolysis. + = Slight degree of lesion present.
++ = Moderate degree of lesion present. +++ = Marked degree of lesion present.

TABLE XXXII

Group VII - Male Rats - HighMg/Kg Freon® 12 - Histopathology - 24 Month Sacrifice

Rat No.	Mode of death D-Died;S-Sacrificed Days on test	Fatty change, liver	Bile duct prolifer-ation, liver	Chronic nephritis	Metaplasia, exorbital lacrimal gland	Focal pneumonia	Tracheitis	Other Lesions
134553	S-518	++	+	+	-	-	-	Glioma, cerebrum; hyperplasia, squamous stomach.
134565	D-651	A	A	A	A	A	A	
134575	S-653	+++	+	+	+	-	-	Ulceration of squamous stomach with peritonitis; fibrosis, heart; tumor, pituitary.
134569	D-667	+	A	A	A	A	A	Marked suppurative prostatitis.
134585	S-667	-	-	+	-	-	-	Tumor, pituitary; suppurative dermatitis, mammary area; malignant mesothelioma, peritoneum; malignant lymphoma, histiocytic type, liver, lung, thymus;
134588	S-673	+++	-	+	-	++	-	Hyperplasia, squamous stomach; carcinoma, pituitary; pyelonephritis; marked suppurative prostatitis; suppurative peritonitis.
134544	D-687	A	A	+	A	++	A	Lipid granuloma with bronchiectasis, lung; edema, lung; hemorrhage, bone marrow.
134558	D-687	A	A	A	A	A	A	
134589	D-697	++	+	+	-	++	-	Pulmonary edema; focal hyperplasia, spleen, rupture of esophagus.

Code: - = No abnormalities detected. + = Slight degree of lesion present. ++ = Moderate degree of lesion present. +++ = Marked degree of lesion present. A = Advanced autolysis.

Organs examined include: mammary gland, exorbital lacrimal gland, thymus, spleen, lymph nodes, bone marrow, sternal bone, trachea, lung, heart, aorta, salivary glands, stomach, duodenum, cecum, colon, pancreas, liver, esophagus, kidney, testis, epididymis, prostate, urinary bladder, pituitary, thyroid, parathyroid, adrenal, brain, spinal cord, sciatic nerve, skeletal muscle, eye, skin.

TABLE XXXII (Continued)

Group VII - Male Rats -High Mg/Kg Freon® 12 - Histopathology - 24 Month Sacrifice

Rat No.	Mode of death D-Died; S-Sacrificed Days on test	Fatty change, liver	Bile duct prolifer-ation, liver	Chronic nephritis	Metaplasia, exorbital lacrimal gland	Focal pneumonia	Tracheitis	Other Lesions
134546	D-709	-	-	+	+	-	-	Islet cell adenoma.
134584	S-715	+	-	++	-	-	-	Prostatitis; carcinoma, pituitary; hyperplasia, squamous stomach; edema, brain.
134581	D-726	+	++	+	++	++	-	Marked edema, lung.
134545	S-731	+	-	-	+	-	-	Malignant mesothelioma, prostate; vacuolated nuclei, liver.
134547	D-731	+	-	+	-	-	-	Carcinoma, pituitary; edema, lung.
134548	S-731	-	-	++	++	+++	+++	Interstitial cell adenoma, testis; testicular germinal cell atrophy adjacent to tumor; marked bronchopneumonia.
134550	S-731	++	-	+	+++	-	-	Interstitial cell adenoma, testis; testicular atrophy only in the testis with tumor.
134551	S-731	-	-	+	++	-	-	Adenoma, pituitary; interstitial cell hyperplasia, testis; cytoplasmic vesicles, liver.
134552	S-731	+	-	+	+	-	-	Adenoangioma, pituitary.

Code: - = No abnormalities detected.
+ = Slight degree of lesion present.
++ = Moderate degree of lesion present.
+++ = Marked degree of lesion present.

TABLE XXXII (Continued)

Group VII - Male Rats - High Mg/Kg Freon® 12 - Histopathology - 24 Month Sacrifice

Rat No.	Mode of death D-Died; S-Sacrificed Days on test	Fatty change, liver	Bile duct proliferation, liver	Chronic nephritis	Metaplasia, exorbital lacrimal gland	Focal pneumonia	Tracheitis	Other Lesions
134554	S-731	++	+	++	+	-	-	Nodular hyperplasia, acinar pancreas; metaplasia, acinar pancreas.
134556	S-731	-	-	-	+	-	-	Metaplasia and fibrosis, pancreas; focal hyperplasia, pituitary; cytoplasmic vesicles, liver.
134557	S-731	+	-	++	-	-	-	Focal hyperplasia, prostate.
134561	S-731	-	-	++	-	-	-	Focal hyperplasia, pituitary; nuclear vesicle, liver; lipoma (microscopic), kidney.
134562	S-731	-	+	++	++	-	-	Focal necrosis, liver; lipoma, inguinal skin; hyperplasia, parathyroid; glomerulitis.
134563	S-731	+	-	0	++	-	-	Adenoma, pituitary; interstitial cell hyperplasia, testis; prostatitis.
134564	S-731	++	++	++	+	+	-	Fibrosis, heart; hyperplasia, pituitary; pheochromocytoma, adrenal; fibrosarcoma, skin.
134566	S-731	++	++	+	+	-	-	Fibrosis, heart; hydronephrosis.

Code: - = No abnormalities detected.
0 = No tissue available.
+ = Slight degree of lesion present.
++ = Moderate degree of lesion present.
+++ = Marked degree of lesion present.

TABLE XXXII (Continued)

Group VII - Male Rats - High Mg/Kg Freon® 12 - Histopathology - 24 Month Sacrifice

Rat No.	Mode of death D-Died; S-Sacrificed Days on test	Fatty change, liver	Bile duct prolifer-ation, liver	Chronic nephritis	Metaplasia, exorbital lacrimal gland	Focal pneumonia	Tracheitis	Other Lesions
134567	S-731	++	-	+	+	-	-	
134568	S-731	++	-	+	-	-	-	Metaplasia, pancreas.
134572	S-731	++	-	-	+++	+	-	Hemangiosarcoma, adrenal with adhesions to kidney; prostatitis; interstitial cell adenoma, testis; atrophy, testis.
134573	S-731	+	-	-	++	-	-	Marked hyperplasia, urinary bladder and renal pelvis.
134574	S-731	+	+	+	-	+	-	Fibrosis, heart; osteodystrophy fibrosa, sternal bone; prostatitis; interstitial cell adenoma, testis.
134576	S-731	+	-	+	+	+	-	Focal hyperplasia, pituitary.
134577	S-731	+	-	++	-	-	-	Focal hyperplasia, pituitary; osteofibrosa dystrophy, sternal bone; prostatitis.
134580	S-731	+	+	+	++	+++	-	Fibrosis, heart; abscess, lung.
134586	S-731	++	-	++	-	-	-	Ulcer, squamous stomach; adenoma, pituitary; telangiectasis, liver; nuclear vacuolation, liver.
134587	S-731	++	-	++	-	-	-	Focal necrosis, liver.

Code: - = No abnormalities detected.
+ = Slight degree of lesion present.
++ = Moderate degree of lesion present.
+++ = Marked degree of lesion present.

TABLE XXXIII

Group II - Control Female Rats - Histopathology - 24 Month Sacrifice

Rat No.	Mode of death D-Died;S-Sacrificed Days on test	Fatty change, liver	Bile duct proliferation, liver	Chronic nephritis	Angiectasis, adrenal cortex	Pituitary adenoma	Mammary fibroadenoma	Focal pneumonia	Tracheitis	Cystic ovary	Cystic endometritis	Hyperplasia, pituitary	Other Lesions
134333	S-549	++	-	+	++	-	-	-	-	-	+	+	Lymphangiosarcoma, vagina.
134310	S-592	-	-	-	-	-	-	+	-	-	-	-	Lipid granulomata, lung; hemangiosarcoma, uterus.
134318	S-556	-	-	-	++	-	P	+	-	-	+	-	Bronchiectasis.
134319	D-574	++	-	+	+++	P	-	-	-	-	-	-	Focal pleural cartilagenous metaplasia; hemosiderin and atrophy, spleen, hemorrhagic gastroenteritis.
134322	S-556	-	-	-	+	-	P	-	-	-	+	-	Cytoplasmic vesicles, liver.
134326	D-602	A	A	A	A	P	A	A	A	A	A	A	Marked pulmonary edema; brain hemorrhage possibly from pituitary tumor.
134327	S-556	++	-	+	+	-	-	-	-	-	-	-	Fatty change, kidney; hemosider and atrophy, spleen; fibrosarcoma, uterus; ulcer, squamous stomach.
134301	S-633	+	+	-	-	P	P	-	-	-	-	-	Tubular necrosis, kidney; hyper plasia, spleen; fatty change, adrenal; retained corpus luteum metaplasia, pancreas.

Code: - = No abnormalities detected.
A = Advanced autolysis.
P = Present.
+ = Slight degree of lesion present.
++ = Moderate degree of lesion present.
+++ = Marked degree of lesion present.

Organs examined include: mammary gland, exorbital lacrimal gland, thymus, spleen, lymph nodes, bone marrow, sternal bone, trachea, lung, heart, aorta, salivary glands, stomach, duodenum, cecum, colon, pancreas, liver, esophagus, kidney, ovary, uterus, urinary bladder, pituitary, thyroid, parathyroid, adrenal, brain, spinal cord, sciatic nerve, skeletal muscle, eye, skin.

TABLE XXXIII (Continued)

Group II - Control Female Rats - Histopathology - 24 Month Sacrifice

Rat No.	Mode of death D-Died; S-Sacrificed Days on test	Fatty change, liver	Bile duct proliferation, liver	Chronic nephritis	Angiectasis, adrenal cortex	Pituitary adenoma	Mammary fibroadenoma	Focal pneumonia	Tracheitis	Cystic ovary	Cystic endometritis	Hyperplasia, pituitary	Other Lesions
134295	S-649	++	-	-	-	P	-	-	-	-	-	-	Suppurative dermatitis, leg; retained corpus luteum; fatty change, liver, periportal; fatty change, kidney.
134328	S-667	+	-	-	-	-	P	-	-	+	+	-	Fatty change, liver; malignant lymphoma, histiocytic type, lungs, pleura, lymph nodes, liver, iris, etc.
134340	D-695	A	A	A	A	-	P	A	A	A	A	+++	
134317	S-700	++	-	-	++	-	P	+	-	+	-	+	Islet cell adenoma; oil suppurative granuloma, adjacent to esophagus; oil granuloma, lung.
134330	S-700	++	+	-	-	P	-	-	-	-	-	-	Fatty change, kidney; retinopathy.
134309	D-702	++	-	-	-	-	-	+	-	-	-	-	Marked bronchopneumonia.
134315	S-715	+	-	-	-	P	-	-	-	-	+	-	Atrophy, spleen; ulcer squamous stomach.
134321	S-715	+++	-	-	++	-	-	-	-	-	-	-	Light cell adenoma, thyroid; fatty change, kidney; gastritis; hydronephrosis, right.
134338	D-755	++	A	A	A	P	P	A	A	A	A	A	Focal hyperplasia, adrenal cortex; hemorrhage, brain; hemosiderin, liver; hemangiosarcoma, liver and pancreas; edema, lung.

Code: - = No abnormalities detected. A = Advanced autolysis. P = Present. + = Slight degree of lesion present.
++ = Moderate degree of lesion present. +++ = Marked degree of lesion present.

TABLE XXXIII (Continued)

Group II - Control Female Rats - Histopathology - 24 Month Sacrifice

Rat No.	Mode of death D-Died;S-Sacrificed Days on test	Fatty change, liver	Bile duct proliferation, liver	Chronic nephritis	Angiectasis, adrenal cortex	Pituitary adenoma	Mammary fibroadenoma	Focal pneumonia	Tracheitis	Cystic ovary	Cystic endometritis	Hyperplasia, pituitary	Other Lesions
134294	S-746	+	++	-	-	-	-	-	-	-	-	-	Lipoma, subcutis, pectoral.
134296	S-746	+	+	-	+	P	-	-	-	-	-	-	Cystic hyperplasia, mammary.
134297	S-746	+	++	+	+++	P	P	-	-	-	-	-	Hyperplasia, spleen; retinopathy, bilateral; plasma cell hyperplasia, lymph node; focal necrosis, kidney.
134300	S-746	++	-	-	-	-	-	-	-	-	-	-	Metaplasia, pancreas; adenofibroma, mammary.
134304	S-746	+	+	-	-	-	-	-	+++	-	-	+	Focal necrosis, kidney.
134305	S-746	+	-	++	++	-	-	-	-	-	-	-	Focal necrosis, kidney.
134306	S-746	+	-	-	++	-	P	-	-	-	-	-	Hemosiderin, lung.
134307	S-746	+	+	-	-	-	-	-	-	-	-	-	Light cell adenoma, thyroid.
134308	S-746	-	+	-	-	P	P	-	-	-	-	-	
134311	S-730	++	+	-	++	-	P	+++	-	-	-	-	Light cell adenoma, thyroid; bronchiectasis and atelectasis, lung; metaplasia, pancreas.

Code: - = No abnormalities detected.
A = Advanced autolysis.
P = Present.
+ = Slight degree of lesion present.
++ = Moderate degree of lesion present.
+++ = Marked degree of lesion present.

TABLE XXXIII (Continued)

Group II - Control Female Rats - Histopathology - 24 Month Sacrifice

Rat No.	Mode of death D-Died; S-Sacrificed Days on test	Fatty change, liver	Bile duct proliferation, liver	Chronic nephritis	Angiectasis, adrenal cortex	Pituitary adenoma	Mammary fibroadenoma	Focal pneumonia	Tracheitis	Cystic ovary	Cystic endometritis	Hyperplasia, pituitary	Other Lesions
134320	S-746	+	-	+	-	P	P	-	-	+	-	-	
134323	S-746	+	-	+++	+	-	P	-	-	+	+	+	Hematopoiesis, liver.
134324	S-746	+	-	+	-	-	-	-	-	-	-	-	Hemangiosarcoma, uterus.
134325	S-746	++	-	+	-	-	-	-	-	-	-	+	Arteritis, pancreas.
134329	S-746	-	-	-	-	P	P	-	-	-	+	-	
134331	S-746	+	-	+	+++	P	P	-	-	-	-	-	Hydronephrosis;
134334	S-746	++	-	-	-	-	P	-	-	-	-	-	Adenocarcinoma, lung; metaplasia, pancreas.
134335	S-746	-	-	+	+	-	-	-	-	-	-	-	Metaplasia, exorbital lacrymal gland.
134341	S-746	-	-	+	+	-	-	-	-	+	-	+	Metaplasia, exorbital lacrymal gland; focal necrosis, liver.
134337	S-601	O	O	O	O	O	O	O	O	O	O	O	

Code: - = No abnormalities detected.
P = Present.
O = No tissue available.
+ = Slight degree of lesion present.
++ = Moderate degree of lesion present.
+++ = Marked degree of lesion present.

TABLE XXXIV

Group IV - Control Female Rats - Histopathology - 24 Month Sacrifice

Rat No.	Mode of death D=Died;S=Sacrificed Days on test	Fatty change, liver	Bile duct prolifer-ation, liver	Chronic nephritis	Angiectasis, adrenal cortex	Pituitary adenoma	Mammary fibroadenoma	Focal pneumonia	Tracheitis	Cystic ovary	Cystic endometritis	Hyperplasia, pituitary	Other Lesions
134398	S-570	-	-	+	-	-	-	-	-	-	+	-	Adenocarcinoma, mammary, metastatic to lungs.
134435	D-568	-	-	-	-	-	-	+++	+	-	-	-	Malignant lymphoma, histioc type, liver, thymal and sub cutaneous lymph nodes, meta static to lungs.
134408	S-621	-	+	+	+	P	-	-	-	+	+	-	Focal fibrosis, heart; foca necrosis, heart; polyp,uter suppurative salpingitis.
134426	S-653	-	+	+	-	P	P	+	-	-	+	-	Hemangiosarcoma, pectoral s polyp, uterus; lipid granul lung and adjacent to cervic esophagus.
134409	S-667	-	+	+	-	P	-	++	-	-	-	-	Compression, brain; necrosi renal tubules; interstitial fibrosis, lung.
134424	S-667	++	+	+	+	-	-	+	-	-	-	-	Atrophy, spleen; metaplasia pancreas; carcinoma, pituit hemosiderin and cholesterol

Code: - = No abnormalities detected. + = Slight degree of lesion present. +++ = Marked degree of lesion pre
P = Present. ++ = Moderate degree of lesion present.

Organs examined include: mammary gland, exorbital lacrimal gland, thymus, spleen, lymph nodes, bone marrow, sternal bone, trachea, lung, heart, aorta, salivary glands, stomach, duodenum, cecum, colon, pancreas, liver, esophagus, kidney, ovary, uterus, urinary bladder, pituitary, thyroid, parathyroid, adrenal, brain, spinal cord, sciatic nerve, skeletal muscle, eye, skin.

TABLE XXXIV (Continued)

Group IV - Control Female Rats - Histopathology - 24 Month Sacrifice

Rat No.	Mode of death D-Died;S-Sacrificed Days on test	Fatty change, liver	Bile duct proliferation, liver	Chronic nephritis	Angiectasis, adrenal cortex	Pituitary adenoma	Mammary fibroadenoma	Focal pneumonia	Tracheitis	Cystic ovary	Cystic endometritis	Hyperplasia, pituitary	Other Lesions
134412	D-672	++	A	A	+	A	A	+	A	A	A	A	Tumor, thyroid (autolysis advanced); malignant lymphoma, histiocytic type, liver.
134399	S-682	+++	-	-	+	P	P	-	-	++	+	-	Focal fibrosis, adrenal cortex: granulosa cell tumor, ovary.
134401	D-714	+++	-	A	+	-	P	-	+++	-	-	-	Atrophy, spleen.
134429	D-714	+++	-	+	+	P	-	-	+++	-	-	-	Compression, brain; atrophy, spleen; thymal mass, autolysis advanced; suppurative opthalmitis.
134428	S-715	+++	++	+	-	-	P	-	-	+	-	+	Microgranulomata, liver.
134439	S-730	+++	+	+	+	P	-	-	-	-	-	-	Ulcer, squamous stomach; cystic corpora lutea; cystic hyperplasia, uterus.
134397	S-742	+	+	+++	-	-	P	-	-	-	-	-	Hyperplasia, thymal lymph node light cell adenoma, thyroid.
134400	S-742	+	+	-	-	P	P	-	-	-	-	-	
134402	S-742	+	-	+	-	-	-	-	-	-	-	-	

Code: - = No abnormalities detected.
A = Advanced autolysis.
P = Present.

+ = Slight degree of lesion present.
++ = Moderate degree of lesion present.
+++ = Marked degree of lesion present

TABLE XXXIV (Continued)

Group IV - Control Female Rats - Histopathology - 24 Month Sacrifice

Rat No.	Mode of death D-Died; S-Sacrificed Days on test	Fatty change, liver	Bile duct prolifer-ation, liver	Chronic nephritis	Angiectasis, adrenal cortex	Pituitary adenoma	Mammary fibroadenoma	Focal pneumonia	Tracheitis	Cystic ovary	Cystic endometritis	Hyperplasia, pituitary	Other Lesions
134403	S-742	-	-	+	-	-	-	-	-	-	+	+	
134404	S-742	-	-	+	-	-	-	-	-	+	-	+	Focal necrosis, liver;calcification, kidney; metaplasia and hyperplasia, pancreas; cystic hyperplasia, uterus.
134411	S-742	-	-	-	-	-	-	-	-	-	-	-	Hemangioma, lung; metaplasia, pancreas.
134414	S-742	+	++	+	+	P	-	-	-	-	++	-	Tubular necrosis and fatty change, kidney; carcino-fibrosarcoma, mammary.
134415	S-742	+	-	++	+	P	P	-	-	-	+	-	Hematopoiesis, liver; compression, brain.
134419	S-742	+	-	+	+	-	-	-	-	-	-	-	Focal necrosis, liver; hemangioma, uterus; epidermal cyst, ta
134420	S-742	+	+	-	+	-	-	-	-	-	+++	-	Granulosa cell tumor, ovary.
134421	S-742	+	-	-	-	-	-	-	-	-	-	+	Calcification, renal.
134423	S-742	+	+	-	+	-	P	-	-	+	-	+	Cystic endometrium.
134425	S-742	+	+	+	-	-	P	-	-	++	-	-	Adenoma, acinar pancreas; polyp, uterus.
134430	S-742	+	-	-	-	P	P	-	-	-	+	-	

Code: - = No abnormalities detected.
P = Present.

+ = Slight degree of lesion present.
++ = Moderate degree of lesion present.
+++ = Marked degree of lesion present.

TABLE XXXIV (Continued)

Group IV - Control Female Rats - Histopathology - 24 Month Sacrifice

Rat No.	Mode of death D-Died; S-Sacrificed Days on test	Fatty change, liver	Bile duct proliferation, liver	Chronic nephritis	Angiectasis, adrenal cortex	Pituitary adenoma	Mammary fibroadenoma	Focal pneumonia	Tracheitis	Cystic ovary	Cystic endometritis	Hyperplasia, pituitary	Other Lesions
134431	S-742	+	-	-	+	-	P	-	-	-	-	+	Hyperplasia, adrenal cortex.
134433	S-742	+	-	-	-	-	-	-	-	-	-	-	Carcinofibrosarcoma, mammary; light cell adenoma, thyroid; islet cell adenoma.
134434	S-742	+	+	+++	++	P	-	-	-	-	-	-	
134436	S-742	++	-	+	+	P	-	-	-	-	-	-	Cystic hyperplasia, uterus; adenocarcinoma, mammary.
134437	S-742	-	-	-	-	-	-	-	-	-	-	+	Retained corpus luteum, ovary; hemangiosarcoma, liver; hyperplasia, spleen; lipoma, subcutis, pectoral; cystic hyperplasia, uterus.
134438	S-742	O	O	O	-	-	-	-	-	-	-	-	Adenocarcinoma, mammary; hemangiopericytoma, subcutis, inguinal; fatty necrosis, subcutis, inguinal.
134440	S-742	-	+	-	-	-	-	++	-	-	-	-	Endocardial fibroma, left ventricle, heart.
134441	S-731	+	-	-	++	-	+	-	-	-	+	-	Left adrenal attached to kidne
134442	S-742	-	+	+	-	-	-	+	-	-	+	-	Cystic hyperplasia, mammary.
134443	S-742	-	-	+++	++	P	-	-	-	-	-	-	
134432	D-112	A	A	A	A	A	A	A	A	A	A	A	

Code: - = No abnormalities detected.
A = Advanced autolysis.
P = Present.
O = No tissue available.
+ = Slight degree of lesion present.
++ = Moderate degree of lesion present.
+++ = Marked degree of lesion present.

TABLE XXXV

Group VIII - Female Rats - High Mg/Kg Freon® 12 - Histopathology - 24 Month Sacrifice

Rat No.	Mode of death D-Died;S-Sacrificed Days on test	Fatty change, liver	Bile duct prolifer-ation, liver	Chronic nephritis	Angiectasis, adrenal cortex	Pituitary adenoma	Mammary fibro-adenoma	Focal pneumonia	Tracheitis	Cystic ovary	Cystic endometritis	Hyperplasia, pituitary	Other Lesions
134640	D-480	A	A	A	A	A	A	A	A	A	A	A	
134629	S-533	++	-	+	-	P	-	-	-	-	+	-	Pyometra; atrophy, ovary; chronic pleuritis; fatty change, kidney.
134594	S-547	-	-	+	+	-	P	-	-	-	-	-	Polyp, uterus.
134596	D-563	A	A	A	A	A	A	A	A	A	A	A	Focal necrosis, liver; hemangioma, uterus.
134595	S-584	+	-	-	-	-	P	-	-	-	-	-	Tubular necrosis, kidney.
134639	S-570	+	+	+	-	-	P	-	-	-	-	-	Cystic hyperplasia, uterus; abscess of mammary tumor.
134616	S-609	+++	-	+	-	P	-	-	-	+	+	-	Chronic pleuritis with oil granulomata; fatty change, kidney; erosion, squamous stomach.
134620	S-615	+	-	+	-	-	P	-	-	+	-	+	Malignant lymphoma, histiocytic type, liver, lungs, pleura, lymph nodes and blood.

Code: - = No abnormalities detected.
A = Advanced autolysis.
P = Present.
+ = Slight degree of lesion present.
++ = Moderate degree of lesion present.
+++ = Marked degree of lesion present.

Organs examined include: mammary gland, exorbital lacrimal gland, thymus, spleen, lymph nodes, bone marrow, sternal bone, trachea, lung, heart, aorta, salivary glands, stomach, duodenum, cecum, colon, pancreas, liver, esophagus, kidney, ovary, uterus, urinary bladder, pituitary, thyroid, parathyroid, adrenal, brain, spinal cord, sciatic nerve, skeletal muscle, eye, skin.

TABLE XXXV (Continued)

Group VIII - Female Rats - High Mg/Kg Freon® 12 - Histopathology - 24 Month Sacrifice

Rat No.	Mode of death D-Died;S-Sacrificed Days on test	Fatty change, liver	Bile duct proliferation, liver	Chronic nephritis	Angiectasis, adrenal cortex	Pituitary adenoma	Mammary fibroadenoma	Focal pneumonia	Tracheitis	Cystic ovary	Cystic endometritis	Hyperplasia, pituitary	Other Lesions
134631	S-653	-	+++	++	-	-	-	+++	-	-	+	-	Carcinoma, pituitary;bronchiectasis; duct hyperplasia, mammary; focal fibrosis,heart.
134628	S-667	-	+	+	+	P	-	+	-	+	++	-	Focal pressure atrophy, brain.
134636	S-673	+	+	+	+	-	-	-	-	-	-	-	Fibrosarcoma, abdominal skin.
134643	S-673	+	+	+	+	P	-	-	-	-	-	-	Atrophy, spleen; focal pressure atrophy, brain; ulcer, squamous stomach.
134637	S-685	+	-	+	+	-	P	-	-	-	-	+	Polyp, uterus.
134641	S-700	-	+	+	+	-	P	-	-	-	-	-	Islet cell adenoma.
134623	S-703	++	+	+	+	P	P	-	-	+	+	-	Atrophy, spleen; polyp, uterus; squamous cell carcinoma, ear canal.
134625	S-715	+	-	-	-	P	P	-	-	++	-	-	Erosion, squamous stomach; atrophy, spleen.
134602	S-718	+	-	-	-	-	-	-	-	-	-	+	
134603	S-718	++	-	-	-	-	-	-	-	-	-	+	Atrophy, spleen; gastritis, squamous stomach; light cell adenoma, thyroid; fatty change, kidney.
134613	S-718	-	-	+	+	P	P	-	-	-	-	-	Hyperplastic, parathyroid; hemosiderin, liver.

Code: - = No abnormalities detected.
P = Present.
+ = Slight degree of lesion present.
++ = Moderate degree of lesion present.
+++ = Marked degree of lesion present.

TABLE XXXV (Continued)

Group VIII - Female Rats -High Mg/Kg Freon® 12 - Histopathology - 24 Month Sacrifice

Rat No.	Mode of death D-Died;S-Sacrificed Days on test	Fatty change, liver	Bile duct proliferation, liver	Chronic nephritis	Angiectasis, adrenal cortex	Pituitary adenoma	Mammary fibroadenoma	Focal pneumonia	Tracheitis	Cystic ovary	Cystic endometritis	Hyperplasia, pituitary	Other Lesions
134622	S-718	+	+	+	+	P	-	-	-	-	-	-	Hemangiosarcoma, pectoral skin.
134611	S-730	-	-	-	++	P	P	-	-	-	++	-	Adenocarcinoma, mammary; focal necrosis, liver.
134597	S-744	-	+	-	-	P	P	-	-	++	-	-	
134604	S-744	-	+	-	-	-	-	-	-	-	-	-	Cystic hyperplasia, uterus.
134605	S-744	-	-	-	-	P	P	+++	-	-	-	-	Bronchiectasis.
134606	S-744	-	-	-	++	P	P	-	-	-	-	-	
134607	S-744	-	+	-	-	-	P	-	-	-	-	-	
134608	S-744	+	-	-	+	P	-	-	-	+	+	-	
134609	S-744	-	-	-	-	P	-	-	-	-	-	-	
134610	S-744	-	+	-	-	-	P	-	-	-	-	-	
134612	S-744	-	+	+	-	-	-	-	-	+	+	-	

Code: - = No abnormalities detected.
P = Present.
+ = Slight degree of lesion present.
++ = Moderate degree of lesion present.
+++ = Marked degree of lesion present.

TABLE XXXV (Continued)

Group VIII - Female Rats -High Mg/Kg Freon® 12 - Histopathology - 24 Month Sacrifice

Rat No.	Mode of death D-Died;S-Sacrificed Days on test	Fatty change, liver	Bile duct prolifer-ation, liver	Chronic nephritis	Angiectasis, adrenal cortex	Pituitary adenoma	Mammary fibro-adenoma	Focal pneumonia	Tracheitis	Cystic ovary	Cystic endometritis	Hyperplasia, pituitary	Other Lesions
134617	S-744	-	+	+	-	-	-	-	-	+	+++	-	
134618	S-744	+	+	-	-	-	P	+	-	-	-	+	
134619	S-744	-	-	-	+	-	P	+	-	-	-	+++	Hydronephrosis.
134621	S-744	-	-	-	-	-	-	-	-	-	-	-	Cystic hyperplasia, uterus.
134624	S-744	+	+	-	+	-	P	+	-	+	-	-	Tubular necrosis, kidney.
134630	S-744	++	+	-	-	P	-	-	-	-	-	-	Focal gastritis, squamous stomach; fatty change, kidney.
134633	S-744	-	+	+	+	-	-	-	-	-	+	-	
134632	S-744	-	+	-	-	-	-	-	-	-	+	++	
134634	S-744	-	-	++	-	-	-	-	-	+	-	++	
134635	S-744	-	-	-	+++	-	-	-	-	-	-	-	
134638	S-744	+	-	-	++	P	-	-	-	-	-	-	Pericardial fibrosis.

Code: - = No abnormalities detected.
+ = Slight degree of lesion present.
++ = Moderate degree of lesion present.
+++ = Marked degree of lesion present.
P = Present.

TABLE XXXVI

NUMBER OF PRIMARY TUMORS IN RATS - INTERIM AND TERMINAL SACRIFICES INCLUDED

Group No. - Sex		I ♂	III ♂	VII ♂	II ♀	IV ♀	VIII ♀
Mg/kg Freon® 12		0	0	High	0	0	High
No. Rats in Group		50	50	50	50	50	50
SKIN	Squamous cell carcinoma(zymbal gland)	1					
	Lipoma			1	1	1	
	Fibroma	2					
	Fibrosarcoma	2	1	1			
	Neurofibrosarcoma	1					
	Angiosarcoma	1	1				
	Hemangiosarcoma	1				1	
	Hemangiopericytoma					1	
MAMMARY	Fibroma		1				
	Fibroadenoma				15	15	18
	Adenofibroma				1		
	Adenocarcinoma				1	3	1
	Carcinofibrosarcoma				2		
PITUITARY	Adenoma	4	1	5	13	14	17
	Carcinoma		1	3		1	1
	Adenoangioma			1			
OVARY	Granulosa cell tumor, malignant					2	
UTERUS	Polyp					3	3
	Hemangioma					1	1
	Hemangiosarcoma				2		
	Fibrosarcoma				1		
VAGINA	Lymphangiosarcoma				1		
TESTIS	Interstitial cell adenoma	1		3			
	Angiosarcoma		1				

TABLE XXXVI (Continued)

NUMBER OF PRIMARY TUMORS IN RATS - INTERIM AND TERMINAL SACRIFICES INCLUDED

Group No. - Sex		I ♂	III ♂	VII ♂	II ♀	IV ♀	VIII ♀
Mg/kg Freon® 12		0	0	High	0	0	High
No. Rats in Group		50	50	50	50	50	50
KIDNEY	Lipoma			1			
	Papillary adenocarcinoma		1				
URINARY BLADDER	Papilloma		1				
HEART	Benign mesothelioma		1				
	Endocardial fibroma					1	
LUNG	Hemangioma					1	
	Adenocarcinoma				1		
MEDIASTINUM	Chondrosarcoma			1			
PERITONEUM	Benign mesothelioma (testis, epididymus)	1					
	Malignant mesothelioma			2			
HEMIC	Malignant lymphoma, histiocytic type	1		1	1	2	1
	Myelogenous leukemia	1		1	1		
BRAIN	Glioma		3	1			
SQUAMOUS STOMACH	Fibroma	2					
	Keratocanthoma	1					
LIVER	Hemangiosarcoma				1	1	
PANCREAS	Acinar adenoma	2				1	
	Islet cell adenoma	3		2	2	1	1
ADRENAL	Pheochromocytoma	4		1			
	Hemangiosarcoma			1			
THYROID	Light cell adenoma	1			3	2	1
	TOTAL TUMORS	29	12	25	46	51	44

TABLE XXXVII

REPRODUCTIVE PERFORMANCE OF RATS FED VARIOUS LEVELS OF FREON® 12

"Diet" Freon® 12	No. of Pregnancies	No. of Pups Born	No. of Pups Born Alive	Fertility Index	Gestation Index	Viability Index	Lactation Index	Average Weight of Weanlings (g)
				F_{1A}				
Control	21/21	226 (10.8)*	220 (10.5)*	100	100	96	100	47
Control	20/21	196 (9.8)	194 (9.7)	95	100	94	100	51
Low Level	16/21	167 (10.4)	166 (10.4)	76	100	99	100	49
High Level	18/21	191 (10.6)	190 (10.6)	86	100	98	100	49
				F_{2A}				
Control	16/16	155 (9.7)	148 (9.3)	100	100	96	99	50
Control	15/15	149 (9.3)	147 (9.8)	100	100	98	99	51
Low Level	15/16	145 (9.7)	144 (9.6)	94	100	99	97	49
High Level	15/16	135 (9.0)	134 (8.9)	94	100	98	99	51
				F_{3A}				
Control	19/20	169 (8.9)	163 (8.6)	100	100	96	100	49
Control	20/20	180 (9.0)	176 (8.8)	100	100	96	99	50
Low Level	18/20	176 (9.8)	169 (9.4)	90	100	93	98	49
High Level	17/20	156 (9.2)	155 (9.1)	85	100	99	100	49

* ( ) = Average number of pups per litter.

TABLE XXXVIII

AVERAGE BODY WEIGHTS OF F_{3A} GENERATION RATS ON CONTROL DIET FOR FOUR WEEKS

Group*	"Diet" Freon® 12	Body Weight (g) 0 Weeks	2 Weeks	4 Weeks
	MALES			
I	Control	83	182	290
III	Control	80	180	316
V	Low Level	86	188	312
VII	High Level	84	183	304
	FEMALES			
II	Control	77	145	194
IV	Control	76	151	218
VI	Low Level	80	155	214
VIII	High Level	72	141	196

* Computer groupings

HASKELL # - 6966 TEST # - 49 MR. # - 1383001 JANUARY 30, 1974
COMPOUND - FREON-12

ANIMAL #	4562	4561	4632	4721	4722	4631	4592	4732	4731	4591	4802	4832	4831	4801	4771	4931
GROUP #	01	01	01	01	01	01	01	01	01	01	03	03	03	03	03	03
TREATMENT DAYS	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
POST-TREATMENT DAYS																
DIET/DOSE VALUE	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
INITIAL WEIGHT	68	69	81	82	83	85	88	89	91	92	70	71	72	75	79	83
LOW WEIGHT																
FINAL WEIGHT	269	281	301	273	271	308	270	317	309	306	267	286	300	303	341	309
SEX	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
DIED/SACRIFICED	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
BRAIN NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CERVICAL SPINAL CORD, NOS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCIATIC NERVE MORPHOLOGY UNKNOWN												0				
SCIATIC NERVE NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0
BONE MARROW NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0
BONE MARROW ORGAN MISSING												0				
SPLEEN NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LYMPH NODE NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BONE NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKELETAL MUSCLE NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKELETAL MUSCLE TISSUE NOT EXAMINED																
TRACHEA NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LUNG NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LUNG PNEUMONIA, DIFFUSE																
HEART NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEART TISSUE NOT EXAMINED																
AORTA NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AORTA TISSUE NOT EXAMINED																
LIVER NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0
LIVER CYTOPLASMIC ALTERATION, NOS										+						
PANCREAS EXCEPT ISLETS NORMAL MORPHOLOGIC STRUCTURES		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PANCREAS EXCEPT ISLETS TISSUE NOT EXAMINED	X															
ESOPHAGUS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STOMACH NORMAL MORPHOLOGIC STRUCTURES		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STOMACH TISSUE NOT EXAMINED	X															
DUODENUM NORMAL MORPHOLOGIC STRUCTURES		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DUODENUM TISSUE NOT EXAMINED	X															
COLON NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

HASKELL # - 6966 TEST # - 49 MR. # - 1388001 JANUARY 30, 1974
COMPOUND - FREON-12

ANIMAL #	4562	4561	4632	4721	4722	4631	4592	4732	4731	4591	4802	4832	4831	4801	4771	4931
CECUM NORMAL MORPHOLOGIC STRUCTURES	0	0	0				0	0	0	0	0	0	0	0	0	0
CECUM TISSUE NOT EXAMINED				X	X	X										
KIDNEY NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KIDNEY HYDRONEPHROSIS BILATERAL																
URINARY BLADDER NORMAL MORPHOLOGIC STRUCTURES					0			0	0		0			0	0	0
URINARY BLADDER TISSUE NOT EXAMINED	X	X	X	X		X	X			X		X	X			
TESTIS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TESTIS GRANULOMA																
TESTIS ATROPHY, NOS																
EPIDIDYMIS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UTERUS, NOS NORMAL MORPHOLOGIC STRUCTURES																
UTERUS, NOS TISSUE NOT EXAMINED																
FALLOPIAN TUBE NORMAL MORPHOLOGIC STRUCTURES																
FALLOPIAN TUBE TISSUE NOT EXAMINED																
OVARY NORMAL MORPHOLOGIC STRUCTURES																
OVARY TISSUE NOT EXAMINED																
ADRENAL GLAND NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
THYROID GLAND NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0
THYROID GLAND TISSUE NOT EXAMINED		X					X									
PARATHYROID GLAND NORMAL MORPHOLOGIC STRUCTURES	0	0			0	0					0			0		0
PARATHYROID GLAND TISSUE NOT EXAMINED		X	X	X			X	X	X	X		X	X		X	
THYMUS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ISLETS OF LANGERHANS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

HISTOPATHOLOGY REPORT TABLE XL

HASKELL # - 6966 TEST # - 49 MR. # - 1380001 JANUARY 30, 1974
COMPOUND - FREON-12

ANIMAL #	4772	4761	4932	4762	5121	5022	5072	5122	5021	4971	5071	4972	5112	5111	5301	5212
GROUP #	03	03	03	03	05	05	05	05	05	05	05	05	05	05	07	07
TREATMENT DAYS	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
POST-TREATMENT DAYS																
DIET/DOSE VALUE	00	00	00	00	35	35	35	35	35	35	35	35	35	35	350	350
INITIAL WEIGHT	83	84	93	95	79	81	83	83	83	85	86	87	95	97	67	71
LOW WEIGHT																
FINAL WEIGHT	336	330	337	352	253	316	290	322	336	310	335	316	321	317	269	298
SEX	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M
DIED/SACRIFICED	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
BRAIN NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CERVICAL SPINAL CORD, NOS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCIATIC NERVE MORPHOLOGY UNKNOWN																
SCIATIC NERVE NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BONE MARROW NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BONE MARROW ORGAN MISSING																
SPLEEN NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LYMPH NODE NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BONE NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKELETAL MUSCLE NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKELETAL MUSCLE TISSUE NOT EXAMINED																
TRACHEA NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LUNG NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LUNG PNEUMONIA, DIFFUSE																
HEART NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEART TISSUE NOT EXAMINED																
AORTA NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AORTA TISSUE NOT EXAMINED																
LIVER NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LIVER CYTOPLASMIC ALTERATION, NOS																
PANCREAS EXCEPT ISLETS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PANCREAS EXCEPT ISLETS TISSUE NOT EXAMINED																
ESOPHAGUS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STOMACH NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STOMACH TISSUE NOT EXAMINED																
DUODENUM NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DUODENUM TISSUE NOT EXAMINED																
COLON NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

HISTOPATHOLOGY REPORT TABLE XL (Continued)

HASKELL # - 6966 TEST # - 49 MR. # - 1388001 JANUARY 30, 1974
COMPOUND - FREON-12

ANIMAL #	4772	4761	4932	4762	5121	5022	5072	5122	5021	4971	5071	4972	5112	5111	5301	5212
CECUM NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CECUM TISSUE NOT EXAMINED																
KIDNEY NORMAL MORPHOLOGIC STRUCTURES	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0
KIDNEY HYDRONEPHROSIS BILATERAL				+++												
URINARY BLADDER NORMAL MORPHOLOGIC STRUCTURES	0		0													
URINARY BLADDER TISSUE NOT EXAMINED		X		X	X	X	X	X	X	X	X	X	X	X	X	X
TESTIS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TESTIS GRANULOMA																
TESTIS ATROPHY, NOS																
EPIDIDYMIS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UTERUS, NOS NORMAL MORPHOLOGIC STRUCTURES																
UTERUS, NOS TISSUE NOT EXAMINED																
FALLOPIAN TUBE NORMAL MORPHOLOGIC STRUCTURES																
FALLOPIAN TUBE TISSUE NOT EXAMINED																
OVARY NORMAL MORPHOLOGIC STRUCTURES																
OVARY TISSUE NOT EXAMINED																
ADRENAL GLAND NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
THYROID GLAND NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0		0		0			0
THYROID GLAND TISSUE NOT EXAMINED										X		X		X	X	
PARATHYROID GLAND NORMAL MORPHOLOGIC STRUCTURES					0	0	0	0	0							0
PARATHYROID GLAND TISSUE NOT EXAMINED	X	X	X	X						X	X	X	X	X	X	
THYMUS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ISLETS OF LANGERHANS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

HISTOPATHOLOGY REPORT TABLE XLI

HASKELL # - 6966 TEST # - 49 MR. # - 1388001 JANUARY 30, 1974
COMPOUND - FREON-12

ANIMAL #	5211	5302	5242	5272	5271	5262	5261	5241	4563	4564	4724	4723	4634	4734	4633	4733
GROUP #	07	07	07	07	07	07	07	07	02	02	02	02	02	02	02	02
TREATMENT DAYS	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
POST-TREATMENT DAYS																
DIET/DOSE VALUE	350	350	350	350	350	350	350	350	00	00	00	00	00	00	00	00
INITIAL WEIGHT	72	73	90	91	91	92	94	95	65	69	72	72	75	76	77	79
LOW WEIGHT																
FINAL WEIGHT	279	254	332	312	318	290	348	333	180	197	191	194	191	180	185	210
SEX	M	M	M	M	M	M	M	M	F	F	F	F	F	F	F	F
DIED/SACRIFICED	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
BRAIN NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CERVICAL-SPINAL CORD, NOS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCIATIC NERVE MORPHOLOGY UNKNOWN																
SCIATIC NERVE NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BONE MARROW NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BONE MARROW ORGAN MISSING																
SPLEEN NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LYMPH NODE NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BONE NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKELETAL MUSCLE NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKELETAL MUSCLE TISSUE NOT EXAMINED																
TRACHEA NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LUNG NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LUNG PNEUMONIA, DIFFUSE																
HEART NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEART TISSUE NOT EXAMINED																
AORTA NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AORTA TISSUE NOT EXAMINED																
LIVER NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LIVER CYTOPLASMIC ALTERATION, NOS																
PANCREAS EXCEPT ISLETS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PANCREAS EXCEPT ISLETS TISSUE NOT EXAMINED																
ESOPHAGUS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STOMACH NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
STOMACH TISSUE NOT EXAMINED															X	
DUODENUM NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DUODENUM TISSUE NOT EXAMINED																
COLON NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

HASKELL # - 6966 TEST # - 49 MR. # - 1388001 JANUARY 30, 1974
COMPOUND - FREON-12

ANIMAL #	5211	5302	5242	5272	5271	5262	5261	5241	4563	4564	4724	4723	4634	4734	4633	4733
CECUM NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0		0	0		
CECUM TISSUE NOT EXAMINED												X			X	X
KIDNEY NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0			0	0	0	0	0	0
KIDNEY HYDRONEPHROSIS BILATERAL									+	+						
URINARY BLADDER NORMAL MORPHOLOGIC STRUCTURES									0	0	0	0	0	0		0
URINARY BLADDER TISSUE NOT EXAMINED	X	X	X	X	X	X	X	X							X	
TESTIS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0									
TESTIS GRANULOMA								+								
TESTIS ATROPHY, NOS								+								
EPIDIDYMIS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0								
UTERUS, NOS NORMAL MORPHOLOGIC STRUCTURES									0	0	0	0	0	0		0
UTERUS, NOS TISSUE NOT EXAMINED															X	
FALLOPIAN TUBE NORMAL MORPHOLOGIC STRUCTURES									0	0	0	0	0	0		0
FALLOPIAN TUBE TISSUE NOT EXAMINED															X	
OVARY NORMAL MORPHOLOGIC STRUCTURES									0	0	0	0	0	0		0
OVARY TISSUE NOT EXAMINED															X	
ADRENAL GLAND NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
THYROID GLAND NORMAL MORPHOLOGIC STRUCTURES	0	0	0			0	0		0	0	0	0	0		0	0
THYROID GLAND TISSUE NOT EXAMINED				X	X			X						X		
PARATHYROID GLAND NORMAL MORPHOLOGIC STRUCTURES	0	0							0				0		0	0
PARATHYROID GLAND TISSUE NOT EXAMINED			X	X	X	X	X	X		X	X	X		X		
THYMUS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ISLETS OF LANGERHANS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

HASKELL # - 6966 TEST # - 49 MR. # - 1388001 JANUARY 30, 1974
COMPOUND - FREON-12

ANIMAL #	4594	4593	4834	4833	4803	4804	4773	4764	4774	4763	4934	4933	5023	5024	5123	4973
GROUP #	02	02	04	04	04	04	04	04	04	04	04	04	06	06	06	06
TREATMENT DAYS	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
POST-TREATMENT DAYS																
DIET/DOSE VALUE	00	00	00	00	00	00	00	00	00	00	00	00	35	35	35	35
INITIAL WEIGHT	85	92	69	69	73	74	74	78	78	81	81	84	65	69	77	81
LOW WEIGHT																
FINAL WEIGHT	193	214	207	226	215	200	215	216	242	217	230	208	199	205	206	201
SEX	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F
DIED/SACRIFICED	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
BRAIN NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CERVICAL SPINAL CORD, NOS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCIATIC NERVE MORPHOLOGY UNKNOWN																
SCIATIC NERVE NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BONE MARROW NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BONE MARROW ORGAN MISSING																
SPLEEN NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LYMPH NODE NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BONE NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKELETAL MUSCLE NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0
SKELETAL MUSCLE TISSUE NOT EXAMINED							X									
TRACHEA NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LUNG NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0		0	0	0	0	0	0	0	0	0	
LUNG PNEUMONIA, DIFFUSE						+										
HEART NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0
HEART TISSUE NOT EXAMINED							X									
AORTA NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0
AORTA TISSUE NOT EXAMINED							X									
LIVER NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LIVER CYTOPLASMIC ALTERATION, NOS																
PANCREAS EXCEPT ISLETS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PANCREAS EXCEPT ISLETS TISSUE NOT EXAMINED																
ESOPHAGUS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
STOMACH NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
STOMACH TISSUE NOT EXAMINED																
DUODENUM NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DUODENUM TISSUE NOT EXAMINED																
COLON NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

HASKELL # - 6966 TEST # - 49 MR. # - 1388001 JANUARY 30, 1974
COMPOUND - FREON-12

ANIMAL #	4594	4593	4834	4833	4803	4804	4773	4764	4774	4763	4934	4933	5023	5024	5123	4973
CECUM NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0		0	0		0	0	0	0	0	0
CECUM TISSUE NOT EXAMINED							X			X						
KIDNEY NORMAL MORPHOLOGIC STRUCTURES		0	0	0	0	0	0	0	0		0	0	0	0	0	0
KIDNEY HYDRONEPHROSIS BILATERAL	+									+						
URINARY BLADDER NORMAL MORPHOLOGIC STRUCTURES	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0
URINARY BLADDER TISSUE NOT EXAMINED		X														
TESTIS NORMAL MORPHOLOGIC STRUCTURES																
TESTIS GRANULOMA																
TESTIS ATROPHY, NOS																
EPIDIDYMIS NORMAL MORPHOLOGIC STRUCTURES																
UTERUS, NOS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UTERUS, NOS TISSUE NOT EXAMINED																
FALLOPIAN TUBE NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FALLOPIAN TUBE TISSUE NOT EXAMINED																
OVARY NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OVARY TISSUE NOT EXAMINED																
ADRENAL GLAND NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
THYROID GLAND NORMAL MORPHOLOGIC STRUCTURES	0		0	0			0			0	0	0		0	0	
THYROID GLAND TISSUE NOT EXAMINED		X			X	X		X	X				X			X
PARATHYROID GLAND NORMAL MORPHOLOGIC STRUCTURES	0		0	0						0						
PARATHYROID GLAND TISSUE NOT EXAMINED		X			X	X	X	X	X		X	X	X	X	X	X
THYMUS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ISLETS OF LANGERHANS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

HISTOPATHOLOGY REPORT

TABLE XLIII

HASKELL # - 6966 TEST # - 49 MR. # - 1388001

JANUARY 30, 1974

COMPOUND - FREON-12

ANIMAL #	5124	4974	5073	5074	5113	5114	5244	5303	5304	5213	5214	5243	5273	5274	5263	5264
GROUP #	06	06	06	06	06	06	08	08	08	03	08	08	08	08	08	08
TREATMENT DAYS	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
POST-TREATMENT DAYS																
DIET/DOSE VALUE	35	35	35	35	35	35	350	350	350	350	350	350	350	350	350	350
INITIAL WEIGHT	81	81	84	87	88	88	61	61	61	66	69	77	78	79	83	83
LOW WEIGHT																
FINAL WEIGHT	210	219	221	223	216	237	160	174	182	174	208	210	197	220	215	216
SEX	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F	F
DIED/SACRIFICED	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
BRAIN NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CERVICAL SPINAL CORD, NOS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SCIATIC NERVE MORPHOLOGY UNKNOWN																
SCIATIC NERVE NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BONE MARROW NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BONE MARROW ORGAN MISSING																
SPLEEN NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LYMPH NODE NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BONE NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKELETAL MUSCLE NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SKELETAL MUSCLE TISSUE NOT EXAMINED																
TRACHEA NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LUNG NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LUNG PNEUMONIA, DIFFUSE																
HEART NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEART TISSUE NOT EXAMINED																
AORTA NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AORTA TISSUE NOT EXAMINED																
LIVER NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LIVER CYTOPLASMIC ALTERATION, NOS																
PANCREAS EXCEPT ISLETS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PANCREAS EXCEPT ISLETS TISSUE NOT EXAMINED																
ESOPHAGUS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STOMACH NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STOMACH TISSUE NOT EXAMINED																
DUODENUM NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DUODENUM TISSUE NOT EXAMINED																
COLON NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

HASKELL # - 6966 TEST # - 49 MR. # - 1388001 JANUARY 30, 1974
COMPOUND - FREON-12

ANIMAL #	5124	4974	5073	5074	5113	5114	5244	5303	5304	5213	5214	5243	5273	5274	5263	5264
CECUM NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CECUM TISSUE NOT EXAMINED																
KIDNEY NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KIDNEY HYDRONEPHROSIS BILATERAL																
URINARY BLADDER NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0		0	0	0	0	0	0	0	
URINARY BLADDER TISSUE NOT EXAMINED								X								X
TESTIS NORMAL MORPHOLOGIC STRUCTURES																
TESTIS GRANULOMA																
TESTIS ATROPHY, NOS																
EPIDIDYMIS NORMAL MORPHOLOGIC STRUCTURES																
UTERUS, NOS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
UTERUS, NOS TISSUE NOT EXAMINED																X
FALLOPIAN TUBE NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
FALLOPIAN TUBE TISSUE NOT EXAMINED																X
OVARY NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
OVARY TISSUE NOT EXAMINED																X
ADRENAL GLAND NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
THYROID GLAND NORMAL MORPHOLOGIC STRUCTURES	0			0	0					0	0		0	0		
THYROID GLAND TISSUE NOT EXAMINED		X	X			X	X	X	X			X			X	X
PARATHYROID GLAND NORMAL MORPHOLOGIC STRUCTURES	0			0						0	0					
PARATHYROID GLAND TISSUE NOT EXAMINED		X	X		X	X	X	X	X			X	X	X	X	X
THYMUS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ISLETS OF LANGERHANS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE XLIV

EFFECTS OF FREON® 12 ADMINISTERED ORALLY TO THE PARENT FEMALE AND MALE RATS ON FERTILIZATION, IMPLANTATION AND EARLY DEVELOPMENT OF THE FETUSES - DOMINANT LETHAL EFFECTS

H-6966 - MR-1388

	I (Control	II (Control)	Low Level Freon® 12	High Level Freon® 12	Standard Values (Range) For Charles River (CD) Rats (1)
No. of Females Bred	19	20	20	19	
No. of Females Pregnant (Fertility Index)	17 (89.5)	20 (100)	18 (90)	17 (89.5)	90 (62-100)
No. of Live Fetuses	200	130	160	178	
No. of Dead Fetuses	0	0	0	0	
No. of Live Fetuses/Litter	11.8	6.5	8.9	10.5	10.2 (8.2-12.7)
Total No. of Corpora Lutea	276	277	269	244	
No. of Corpora Lutea/Pregnant Female	16.2	13.9	14.9	14.4	
No. of Implantation Sites	254	251	258	232	
No. of Implantation Sites/Preg. Female	14.9	12.6	14.3	13.6	10.9 (8.6-14.1)
No. of Early Resorption Sites(Deciduomata)	35	102	87	34	
No. of Late Resorption Sites	19	19	11	20	
Total Number of Resorptions	54	121	98	54	
Preimplantation Loss (2)	8.0%	9.4%	4.1%	4.9%	
Mutation Rate (3)	13.8%	40.6%	33.7%	14.7%	
Mutation Rate Compared With Control I (4)			24.6	11.1	
Mutation Rate Compared With Control II (4)			-36.9	-61.5	

(1) Personal communication; unpublished data obtained from Charles River Breeding Labs., Wilmington, Mass for period 1964-69.

(2) Preimplantation Loss: $\frac{(\text{Number of Corpora Lutea - Number of Implantation Sites})}{\text{Number of Corpora Lutea}} \times 100$

(3) Mutation Rate: $\frac{\text{Number of Early Resorption Sites (Deciduomata)}}{\text{Number of Implantation Sites}} \times 100$

(4) Mutation Rate: $100 - \left(\frac{\text{Number of Live Fetuses/Litter of Test Group}}{\text{Number of Live Fetuses/Litter of Control Group}} \times 100\right)$

TABLE XLV

INITIAL AND FINAL BODY WEIGHT DATA AND FOOD CONSUMPTION DATA OF MALE DOGS FED FREON® 12

Group	Dog Number	Dietary Freon® 12	Initial Weight (kg)	Final Weight (kg) 1 Year	Final Weight (kg) 2 Years	No. of Gainesburgers® Consumed/Day
I (Control)	1101	0	11.0	9.8		2 (3 wks.), 3
	1104		12.6		13.7	3 (3 wks.), 4
	1107		13.6		14.2	3 (3 wks.), 4
	1110		11.7		12.2	3 (87 wks.),4
II	1099	300 ppm	12.9		12.8	3 (3 wks.), 4
	1103		10.9		11.5	2 (3 wks.), 3 (89 wks.),4
	1106		13.0		16.1	3 (3 wks.), 4
	1109		9.9		11.6	2 (3 wks.), 3
III	1100	3,000 ppm	12.8	12.7		3 (3 wks.), 4
	1191*		9.8		13.2	3 (2 wks.), 4
	1105		15.8		14.7	3 (3 wks.), 4
	1108		12.1		13.0	3 (3 wks.), 4

* Sacrificed after 98 weeks of continuous feeding.

TABLE XLVI

INITIAL AND FINAL BODY WEIGHT DATA AND FOOD CONSUMPTION DATA OF FEMALE DOGS FED FREON® 12

Group	Dog Number	Dietary Freon® 12	Initial Weight (kg)	Final Weight (kg) 1 Year	Final Weight (kg) 2 Years	No. of Gainesburgers® Consumed/Day
I (Control)	1113	0	11.2		10.8	2 (3 wks.), 3
	1116		12.6	12.2		3 (3 wks.), 4 (10 wks.), 2 2 (1 wk.), 3
	1119		10.9		11.7	2 (3 wks.), 3
	1122		10.2		9.8	2 (3 wks.), 3
II	1112	300 ppm	9.8		14.2	2 (3 wks.), 3
	1115		11.2		11.3	2 (3 2ks.), 3
	1118		9.9		11.4	2 (3 wks.), 3
	1121		10.1		13.5	2 (3 wks.), 3 (4 wks.), 4
III	1111	3,000 ppm	12.2		17.2	3 (3 wks.), 4
	1114		8.8		8.4	2 (3 wks.), 3 (52 wks.), 2
	1117		10.2	11.5		2 (3 wks.), 3 (36 wks.), 4
	1120		9.6		10.2	2 (3 wks.), 3

TABLE XLVII

SUMMARY OF HEMATOLOGIC MEASUREMENTS ON MALE DOGS ADMINISTERED FREON® 12 FOR TWO YEARS

	Dose	Pre-Test			MONTHS ON TEST								
	ppm	1	2	3	1	3	6	9	12	15	18	21	24
	0	6.38	6.72	6.68	6.90	7.00	6.31	7.51	6.50	6.85	6.48	6.67	6.12
Erythrocytes	300	6.40	6.43	6.80	6.72	6.40	6.60	7.80	6.87	6.91	7.26	6.98	6.85
$x10^6/mm^3$	3000	6.86	6.76	7.27	7.14	7.62	7.34	8.66	6.29	7.79	7.78	7.73	7.38
	0	16.3	17.3	16.6	17.1	17.0	16.5	17.5	16.4	16.7	16.5	16.8	16.1
Hemoglobin	300	16.1	16.3	16.8	17.4	15.9	16.1	18.2	17.4	16.6	17.6	17.1	17.5
g/100 ml	3000	17.1	17.0	17.7	18.3	18.2	18.0	19.1	18.6	18.8	18.8	18.7	18.8
	0	42	46	44	45	46	44	45	43	46	44	47	46
Hematocrit	300	42	43	45	45	42	43	47	45	46	48	49	50
%	3000	46	46	48	48	48	49	51	50	53	53	54	51
	0	17.5	15.4	16.0	11.9	13.9	12.9	15.2	12.1	13.0	11.8	14.0	14.5
Leucocytes	300	16.8	14.0	12.6	10.9	11.5	10.8	12.1	10.0	9.9	12.7	13.2	11.4
$x10^3/mm^3$	3000	13.7	10.4	10.3	10.4	10.9	8.9	11 7	11.4	10.4	8.7	11.1	9.4
	0	69	66	62	57	59	59	59	55	62	67	63	68
Segmented Neutrophils	300	69	66	54	62	62	60	56	60	63	61	68	64
%	3000	71	65	65	61	63	53	57	63	61	62	64	60
	0	2	1	1	0	1	1	0	0	1	0	0	0
Non-segmented Neutrophils	300	2	3	1	1	1	1	0	0	0	1	0	0
%	3000	1	1	0	1	1	0	1	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
Metamyelocytes	300	0	0	0	0	0	0	0	0	0	0	0	0
	3000	0	0	0	0	0	0	0	0	0	0	0	0

TABLE XLVII (Continued)

SUMMARY OF HEMATOLOGIC MEASUREMENTS ON MALE DOGS ADMINISTERED FREON® 12 FOR TWO YEARS

	Dose	Pre-Test			MONTHS ON TEST								
	ppm	1	2	3	1	3	6	9	12	15	18	21	24
	0	22	28	32	34	30	33	35	35	30	28	29	26
Lymphocytes	300	18	23	30	31	22	35	30	33	29	31	26	32
%	3000	21	29	27	29	31	40	37	31	27	28	29	34
	0	6	4	5	9	10	6	4	9	6	4	7	5
Eosinophils	300	11	8	15	5	13	4	13	6	6	8	6	4
%	3000	5	5	6	6	6	6	5	6	11	11	7	6
	0	2	1	2	1	1	2	2	0	1	1	1	0
Basophils	300	2	1	1	1	1	1	1	1	1	1	0	1
%	3000	3	2	2	2	0	1	1	1	2	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
Monocytes	300	0	0	0	0	0	0	0	0	0	0	0	0
%	3000	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
Atypical Cells	300	0	0	0	0	0	0	0	0	0	0	0	0
%	3000	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
Nucleated RBC's	300	0	0	0	0	0	0	0	0	0	0	0	0
per 100 WBC's	3000	0	0	0	0	0	0	0	0	0	0	0	0

TABLE XLVIII

SUMMARY OF HEMATOLOGIC MEASUREMENTS ON FEMALE DOGS ADMINISTERED FREON® 12 FOR TWO YEARS

	Dose	Pre-Test			MONTHS ON TEST								
	ppm	1	2	3	1	3	6	9	12	15	18	21	24
	0	6.40	6.40	6.72	7.04	6.90	5.77	7.07	5.85	6.29	6.65	6.48	5.93
Erythrocytes	300	6.51	6.73	6.81	8.03	6.74	6.36	7.17	6.09	6.86	6.20	6.68	6.14
$x10^6/mm^3$	3000	7.02	7.21	7.01	7.53	7.07	6.30	7.10	6.99	7.25	6.99	6.92	6.49
	0	16.1	16.6	16.9	16.2	17.2	14.9	17.2	15.1	15.5	16.7	16.2	14.9
Hemoglobin	300	16.0	17.1	17.1	17.8	16.8	16.3	17.1	15.5	16.8	16.3	16.9	15.6
g/100 ml	3000	18.0	18.7	18.1	17.3	17.7	17.1	17.4	18.4	18.6	18.0	18.0	17.1
	0	43	44	45	42	45	42	46	39	42	45	46	44
Hematocrit	300	42	45	46	46	44	43	45	40	45	44	47	44
%	3000	48	50	48	44	47	46	45	49	50	49	50	48
	0	14.4	15.3	13.2	11.5	8.5	9.4	11.6	9.5	9.8	8.8	11.5	9.9
Leucocytes	300	14.1	13.0	13.7	11.2	11.0	9.7	14.0	11.8	13.0	13.7	13.4	13.7
$x10^3/mm^3$	3000	13.7	12.7	11.7	10.6	9.5	9.6	11.6	13.9	11.4	12.8	10.4	10.3
	0	68	66	66	65	63	60	60	58	68	70	71	65
Segmented Neutrophils	300	68	59	69	65	69	57	60	61	70	63	64	59
%	3000	70	67	69	65	59	63	55	61	68	65	64	54
	0	2	1	0	1	0	0	1	0	0	0	0	0
Non-segmented Neutrophils	300	1	0	0	0	1	1	0	1	0	0	0	0
%	3000	1	0	0	0	1	1	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
Metamyelocytes	00	0	0	0	0	0	0	0	0	0	0	0	0
%	3000	0	0	0	0	0	0	0	0	0	0	0	0

TABLE XLVIII (Continued)

SUMMARY OF HEMATOLOGIC MEASUREMENTS ON FEMALE DOGS ADMINISTERED FREON® 12 FOR TWO YEARS

	Dose	Pre-Test			MONTHS ON TEST								
	ppm	1	2	3	1	3	6	9	12	15	18	21	24
	0	24	27	32	31	33	34	34	36	26	27	22	30
Lymphocytes	300	27	30	29	27	27	37	32	26	20	32	27	29
%	3000	21	24	25	29	36	32	39	33	27	25	29	33
	0	5	5	2	4	3	5	5	6	5	3	6	5
Eosinophils	300	3	9	2	6	4	4	7	11	10	5	8	12
%	3000	8	8	5	6	3	4	4	6	4	8	5	13
	0	2	2	0	1	1	1	1	0	1	0	1	0
Basophils	300	1	2	1	2	1	1	1	2	1	1	0	0
%	3000	1	1	1	1	1	1	2	1	1	1	1	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
Monocytes	300	0	0	0	0	0	0	0	0	0	0	0	0
%	3000	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
Atypical Cells	300	0	0	0	0	0	0	0	0	0	0	0	0
%	3000	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
Nucleated RBC's	300	0	0	0	0	0	0	0	0	0	0	0	0
per 100 WBC's	3000	0	0	0	0	0	0	0	0	0	0	0	0

TABLE XLIX

SUMMARY OF URINALYSIS DATA ON MALE DOGS ADMINISTERED FREON® 12 FOR TWO YEARS

	Dose	Pre-Test			MONTHS ON TEST								
	ppm	1	2	3	1	3	6	9	12	15	18	21	24
	0	259	210	266	328	575	364	473	273	577	380	557	347
Volume	300	220	169	159	313	360	378	378	500	453	443	598	380
ml/24 hr.	3000	342	326	250	315	295	368	380	463	530	340	399	378
	0	1527	1858	1624	1002	823	1064	985	1298	717	1233	780	1279
Osmolality	300	1802	1992	1790	1253	1202	887	1004	1064	870	1081	767	1171
mOs/L	3000	1288	1390	1596	853	1254	1209	1096	1088	1033	1219	1067	874
	0	77	101	87	73	35	71	67	93	67	74	42	111
Creatinine	300	93	102	91	79	46	59	65	68	58	70	46	99
mg/100 ml	3000	60	63	70	67	56	86	71	68	56	77	46	51
	0	0	0	0	0	0	0	0	0	1	0	2	0
Blood	300	0	0	0	0	0	0	0	0	0	0	0	0
Number positive	3000	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar	300	0	0	0	0	0	0	0	0	0	0	0	0
Number abnormal	3000	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
Acetone	300	0	0	0	0	0	0	0	0	0	0	0	0
Number positive	3000	0	0	0	0	0	0	0	0	0	0	0	0
	0	4	3	3	2	3	4	4	4	3	3	3	3
Bilirubin	300	3	3	4	3	4	4	4	4	4	4	4	4
Number positive	3000	3	3	2	1	4	4	4	4	3	3	2	2
	0	0.1	0.6	0.6	0.6	0.6	0.3	0.3	0.8	1.0	1.0	1.0	1.0
Urobilinogen	300	0.3	8	0.3	0.6	0.8	0.6	0.8	0.6	1.0	1.0	1.0	1.0
Ehrlich units	3000	0.3	0.6	0.7	0.4	1.0	1.0	0.6	1.0	1.0	1.0	1.0	1.0
	0	0	0	0	0	0	0	0	0	0	0	0	0
Protein	300	0	0	0	0	0	0	0	0	0	0	0	0
Number abnormal	3000	0	0	0	0	0	0	0	0	0	0	0	0

TABLE XLIX (Continued)

SUMMARY OF URINALYSIS DATA ON MALE DOGS ADMINISTERED FREON® 12 FOR TWO YEARS

	Dose	Pre-Test			MONTHS ON TEST								
	ppm	1	2	3	1	3	6	9	12	15	18	21	24
	0	0	0	0	0	0	0	0	0	0	0	0	0
Erythrocytes	300	0	0	0	0	0	0	0	0	0	0	0	0
per hpf	3000	0	0	0	0	0	0	0	0	0	0	0	0
	0	0-1	0-8	0-1	0-1	0	0	0	0-1	0-1	0	0	0
Leucocytes	300	0-6	0-3	0-2	0-1	0-6	0-3	0	0-2	0-3	0-5	0-1	0-10
per hpf	3000	0-2	0-4	0-1	0-1	0-1	0-1	0-1	0-1	0-3	0-10	0-3	0-12
	0	0-1	0-3	0-1	0	0	0-1	0-1	0-1	0-2	0-1	0-1	0-1
Epithelial Cells	300	0-3	0-1	0-1	0-1	0-3	0-1	0	0-1	0-1	0-2	0-3	0-2
per hpf	3000	0-5	0-1	0-1	0-1	0	0-1	0-1	0-1	0-1	0-1	0-2	0-2
	0	1+	1+-2+	1+-3+	1+	1+-4+	2+-3+	1+-4+	2+-4+	2+-4+	2+-3+	2+-4+	3+
Bacteria	300	1+	1+-2+	1+-2+	2+-3+	1+-4+	2+-3+	2+-3+	2+-4+	2+-4+	2+-4+	2+-3+	2+-3+
	3000	1+-3+	1+-2+	1+-3+	2+-3+	2+-4+	2+-4+	2+-4+	2+-3+	2+-3+	1+-3+	2+-3+	3+
	0	0	0	0	0	0	0	0	0	0	0	0	0
Casts	300	0	0	0	0	0	0	0	0	0	0	0	0
per lpf	3000	0	0	0	0	0	0	0	0	0	0	0	0
	0	5.4	6.1	6.3	1.1	0.7	0.9	0.4	0.5	0.4	0.5	0.6	1.0
Fluoride	300	6.9	6.6	8.4	1.6	0.9	0.8	0.5	0.5	0.3	0.5	0.7	1.1
µg/ml	3000	4.9	6.1	7.1	1.1	1.2	1.1	0.4	0.3	0.3	0.6	0.7	0.82
	0	1.24	1.22	1.44	0.35	0.39	0.30	0.16	0.11	0.22	0.17	0.32	0.35
Fluoride	300	1.45	1.02	1.20	0.47	0.33	0.28	0.17	0.18	0.14	0.21	0.45	0.42
mg/day	3000	1.46	1.75	2.08	0.41	0.39	0.34	0.15	0.16	0.19	0.22	0.31	0.46
	0	4.10	3.43	4.44	1.64	1.29	1.32	0.62	0.55	0.77	0.69	1.34	0.98
Fluoride µg/ml	300	4.50	3.62	5.38	2.10	1.27	1.55	0.70	0.70	0.49	0.74	1.72	1.26
Creatinine	3000	4.82	4.68	5.98	1.78	1.41	1.24	0.53	0.58	0.83	0.72	1.45	1.62

TABLE L

SUMMARY OF URINALYSIS DATA ON FEMALE DOGS ADMINISTERED FREON® 12 FOR TWO YEARS

	Dose	Pre-Test			MONTHS ON TEST								
	ppm	1	2	3	1	3	6	9	12	15	18	21	24
	0	230	295	228	445	355	596	488	580	585	467	307	478
Volume	300	210	233	169	600	565	354	458	403	599	453	424	475
ml/24 hr.	3000	189	205	170	413	353	464	540	478	508	440	655	407
	0	1629	1421	1360	628	978	866	855	820	960	983	-	916
Osmolality	300	1799	1491	1465	778	842	940	774	1092	915	907	882	841
mOs	3000	1808	1734	1634	921	1215	883	999	1060	930	1006	700	1095
	0	68	69	71	41	43	51	49	43	47	51	47	53
Creatinine	300	76	70	79	48	35	59	48	58	49	48	46	47
mg/100 ml	3000	72	74	74	56	40	47	50	56	56	61	43	65
	0	1	0	1	0	1	0	0	0	0	0	2	0
Blood	300	0	0	1	1	0	0	1	0	0	0	0	0
Number positive	3000	1	0	0	0	2	0	0	0	0	1	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
Sugar	300	0	0	0	0	0	0	0	0	0	0	0	0
Number abnormal	3000	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
Acetone	300	0	0	0	0	0	0	0	0	0	0	0	0
Number positive	3000	0	0	0	0	0	0	0	0	0	0	0	0
	0	3	2	2	1	1	2	4	2	3	3	3	3
Bilirubin	300	0	0	0	1	1	2	4	2	4	4	3	4
Number positive	3000	0	0	0	0	2	2	3	2	3	3	3	3
	0	0.1	0.6	0.3	1.0	1.0	0.1	0.1	0.1	1.0	1.0	1.0	1.0
Urobilinogen	300	0.1	0.6	0.1	0.1	0.3	0.6	0.1	0.6	1.0	1.0	1.0	1.0
Ehrlich's units	3000	1.0	1.0	0.8	0.1	0.8	0.6	0.1	0.3	1.0	1.0	1.0	1.0
	0	0	0	0	0	0	0	0	0	0	0	0	0
Protein	300	0	0	0	0	0	0	0	0	0	0	0	0
Number abnormal	3000	0	0	0	0	0	0	0	0	0	0	0	0

TABLE L (Continued)

SUMMARY OF URINALYSIS DATA ON FEMALE DOGS ADMINISTERED FREON® 12 FOR TWO YEARS

	Dose	Pre-Test			MONTHS ON TEST								
	ppm	1	2	3	1	3	6	9	12	15	18	21	24
	0	0	0	0[a]	0	0-1	0	0	0	0	0	0	0
Erythrocytes	300	0	0	0[a]	0	0	0	0-1	0	0	0	0	0
per hpf	3000	0[a]	0	0	0	0-1	0	0	0	0	0	0	0
	0	0	0-8	0	0	0-1	0	0	0-1	0	0	0	0
Leucocytes	300	0-2	0-2	0	0-2	0-1	0	0	0	0-1	0	0-1	0
per hpf	3000	0-1	0-1	0-1	0-1	0	0	0	0	0-1	0	0-1	0
	0	0-1	0-1	0-1	0-1	0-3	0-3	0-4	0-2	0-1	0-2	0-1	0-2
Epithelial Cells	300	0-1	0	0-1	0-1	0-1	0-2	0-1	0-3	0-2	0-1	0-3	0-1
per hpf	3000	0-1	0	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-3	0-2
	0	1+-4+	1+-2+	2+-4+	1+-2+	1+-2+	1+-2+	2+-4+	1+-3+	2+-4+	2+-3+	2+-3+	2+-3+
Bacteria	300	1+-2+	1+-3+	0-2+	1+-2+	1+-3+	1+-3+	1+-4+	2+-4+	2+-3+	2+-3+	2+-3+	1+-3+
	3000	1+-3+	1+-2+	2+-3+	1+-2+	2+-3+	2+-3+	2+-3+	1+-4+	2+-3+	2+-3+	2+-3+	2+
	0	0	0	0	0	0	0	0	0	0	0	0	0
Casts	300	0	0	0	0	0	0	0	0	0	0	0	0
per lpf	3000	0	0	0	0	0	0	0	0	0	0	0	0
	0	5.5	5.5	6.7	1.0	0.9	0.8	0.4	0.4	0.3	0.4	0.8	0.7
Fluoride	300	6.9	5.4	6.9	1.2	1.0	1.1	0.4	0.4	0.3	0.4	0.6	0.6
µg/ml	3000	6.6	6.3	7.8	1.2	1.3	0.8	0.4	0.5	0.3	0.6	0.7	1.0
	0	1.15	1.23	1.54	0.68	0.31	0.43	0.17	0.20	0.13	0.18	0.23	0.35
Fluoride	300	1.43	1.18	1.23	0.66	0.46	0.37	0.20	0.17	0.19	0.18	0.32	0.31
mg/day	3000	1.23	1.28	1.34	0.50	0.45	0.35	0.21	0.21	0.13	0.18	0.41	0.39
	0	5.08	4.24	6.06	2.78	1.41	1.77	0.75	0.84	0.50	0.78	1.68	1.52
Fluoride µg/ml	300	5.48	4.49	5.52	2.81	1.92	1.98	0.90	0.82	0.71	0.88	1.15	1.33
Creatinine	3000	5.63	4.60	6.00	2.41	2.08	1.90	0.82	0.85	0.53	0.87	1.58	1.54

a: 1/4 hematuria.

TABLE LI

SUMMARY OF BIOCHEMICAL MEASUREMENTS ON MALE DOGS ADMINISTERED FREON® 12 FOR TWO YEARS

	Dose	Pre-Treatment			MONTHS ON TEST								
	ppm	1	2	3	1	3	6	9	12	15	18	21	24
	0	97	102	95	90	87	90	98	94	97	96	98	93
Glucose	300	92	96	91	92	89	90	99	95	97	96	98	100
mg %	3000	94	94	93	98	92	81	101	96	101	95	100	99
	0	26	20	20	11	12	12	15	14	13	13	14	15
Urea Nitrogen	300	21	20	17	13	11	12	14	16	12	11	11	13
mg %	3000	24	22	21	12	14	13	13	12	11	11	13	25
	0	169	146	162	161	183	164	151	165	172	160	175	202
Cholesterol	300	152	141	149	158	178	161	161	163	175	171	172	221
mg %	3000	153	140	202	164	192	180	164	180	182	173	201	206
	0	3.8	3.5	3.2	2.5	2.3	2.7	3.0	3.0	3.2	2.9	3.0	3.1
Alkaline Phosphatase	300	4.6	4.5	4.2	2.6	2.0	2.8	3.1	2.7	2.6	3.0	2.4	2.3
Bessey units	3000	4.5	3.9	4.0	2.8	2.4	3.0	3.0	2.9	3.0	2.7	2.3	2.4
	0	9	10	9	6	10	12	20	18	16	22	18	20
Transaminase	300	8	9	9	6	10	11	10	14	11	11	11	18
Units	3000	8	10	9	7	9	10	13	14	13	16	13	20
	0	6.5	6.1	6.2	6.5	6.6	6.0	6.1	6.1	6.1	6.0	6.2	6.4
Total Protein	300	6.4	6.1	6.1	7.0	7.1	6.5	6.7	6.6	6.3	6.5	6.7	6.8
g/100	3000	6.4	6.2	6.3	8.0	7.7	7.1	6.8	6.8	6.5	6.5	6.5	6.8
	0	0.89	1.03	1.15	1.34	0.90	1.11	0.84	0.96	1.10	1.03	1.09	1.02
Albumin/Globulin	300	0.94	1.12	1.09	1.04	0.98	0.97	0.90	1.16	0.95	1.09	1.27	1.04
	3000	1.11	1.21	1.14	0.83	0.95	1.25	0.90	1.02	1.07	1.26	1.07	1.01
	0	0.7	0.7	0.6	0.6	0.7	0.8	0.7	0.8	0.6	0.8	0.5	0.8
Creatinine	300	0.6	0.8	0.6	0.6	0.6	0.7	0.6	0.7	0.6	0.7	0.5	0.6
mg %	3000	0.6	0.7	0.6	0.6	0.5	0.7	0.7	0.7	0.5	0.6	0.6	0.9
	0	0.6	0.6	0.4	0.1	0.3	0.3	0.3	0.2	0.5	0.5	0.4	0.5
Bilirubin	300	0.5	0.4	0.3	0.1	0.2	0.3	0.3	0.2	0.5	0.4	0.3	0.5
mg %	3000	0.6	0.9	1.1	0.1	0.3	0.3	0.4	0.2	0.4	0.5	0.3	0.5

TABLE LII

SUMMARY OF BIOCHEMICAL MEASUREMENTS ON FEMALE DOGS ADMINISTERED FREON® 12 FOR TWO YEARS

	Dose	Pre-Treatment			MONTHS ON TEST								
	ppm	1	2	3	1	3	6	9	12	15	18	21	24
	0	95	97	92	94	90	88	99	95	97	97	96	95
Glucose	300	94	96	91	90	90	91	98	96	98	97	105	99
mg %	3000	89	105	94	96	94	91	101	97	102	102	110	104
	0	17	19	16	13	14	13	15	15	13	13	12	14
Urea Nitrogen	300	18	17	15	10	12	13	12	13	12	11	12	12
mg %	3000	14	16	18	12	14	13	14	15	12	12	12	14
	0	111	113	126	230	167	232	217	242	232	248	234	325
Cholesterol	300	110	108	115	190	195	206	187	198	223	215	230	283
mg %	3000	138	121	142	204	192	203	225	226	251	247	254	291
	0	4.7	4.5	4.8	2.1	1.9	2.7	2.7	2.8	2.6	3.1	2.4	2.5
Alkaline Phosphatase	300	3.4	3.5	3.3	2.3	2.2	2.6	2.7	2.9	3.2	2.6	2.9	2.1
Bessey units	3000	4.7	4.2	3.9	2.2	2.3	2.9	3.0	3.3	2.5	2.4	3.1	1.9
	0	8	9	10	6	10	10	11	12	8	11	8	13
Transaminase Units	300	9	7	10	6	10	11	9	9	8	12	12	11
	3000	14	17	11	6	11	11	7	13	10	11	15	14
	0	6.2	6.5	6.0	6.2	5.6	6.1	6.1	6.1	6.2	6.2	6.3	6.4
Total Protein	300	6.7	6.8	6.7	6.5	6.7	6.3	6.3	6.3	6.8	6.6	6.8	6.9
g/100 ml	3000	6.9	7.0	6.5	6.3	7.7	6.3	6.5	6.2	6.1	6.4	6.5	6.2
	0	0.95	1.04	1.07	1.02	1.06	1.10	1.23	1.01	0.90	1.02	0.98	0.94
Albumin/Globulin	300	0.86	0.86	1.00	1.16	1.05	1.15	0.94	0.91	0.96	0.98	0.94	0.92
	3000	0.92	1.03	0.95	1.04	0.95	0.96	1.18	1.21	1.20	1.04	1.15	1.10
	0	0.6	0.6	0.5	0.6	0.5	0.6	0.6	0.7	0.6	0.6	0.6	0.6
Creatinine	300	0.6	0.7	0.5	0.6	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6
mg %	3000	0.4	0.7	0.6	0.7	0.5	0.6	0.6	0.7	0.6	0.6	0.6	0.7
	0	0.4	0.3	0.2	0.1	0.2	0.3	0.3	0.2	0.5	0.5	0.3	0.5
Bilirubin	300	0.4	0.3	0.4	0.1	0.3	0.3	0.3	0.2	0.5	0.5	0.3	0.5
mg %	3000	0.3	0.7	0.3	0.1	0.3	0.3	0.3	0.2	0.5	0.5	0.4	0.5

* Dog 1199, 3000 ppm group no sample.

TABLE LIII

FLUORIDE CONCENTRATION IN DRY, FAT-FREE FEMUR OF DOGS ADMINISTERED FREON® 12 FOR TWO YEARS

ppm Freon® 12	One Year Number Dogs	One Year % F Mean	One Year % F Range	Two Year Number Dogs	Two Year % F Mean	Two Year % F Range
MALE						
0	1	0.026	- -	3	0.074	0.054-0.103
300	0	-	- -	4	0.064	0.058-0.077
3,000	1	0.022	- -	3	0.063	0.052-0.077
FEMALE						
0	1	0.036	- -	3	0.086	0.061-0.168
300	0	-	- -	4	0.068	0.060-0.076
3,000	1	0.052	- -	3	0.052	0.033-0.075

TABLE LIV

SUMMARY OF RESIDUAL FREON® 12 ANALYSES IN TISSUES OF DOGS

	Year	ppm* Freon® 12 MALE ppm administered 0	300	3,000	FEMALE ppm administered 0	300	3,000
Adrenals	1	< 0.01	-	< 0.01	< 0.01	-	< 0.01
	2	1.04	1.23	0.88	1.73		1.50
Blood	1	< 0.01	-	< 0.01	< 0.01	-	< 0.01
	2	< 0.04	< 0.04	< 0.04	< 0.02	< 0.02	< 0.02
Bone Marrow	1	< 0.08	-	< 0.07	< 0.05	-	-
	2	0.47	0.45	0.65	0.50	1.16	1.55
Brain	1	< 0.01	-	< 0.01	< 0.01	-	< 0.01
	2	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09	< 0.09
Fat	1	< 0.01	-	0.25	< 0.01	-	0.52
	2	0.02	0.23	0.12	0.15	0.34	1.19
Heart	1	< 0.02	-	< 0.02	< 0.02	-	< 0.02
	2	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Kidney	1	< 0.01	-	0.01	< 0.01	-	< 0.01
	2	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Liver	1	< 0.01	-	< 0.01	< 0.01	-	< 0.01
	2	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
Muscle	1	< 0.03	-	< 0.03	< 0.03	-	< 0.03
	2	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

* ppm = μg/ml blood or μg/g wet tissue.

TABLE LV

17-KETOSTEROIDS EXCRETED DAILY BY DOGS AFTER BEING ADMINISTERED FREON® 12 FOR TWO YEARS

μg/Day/Dog

	MALE			FEMALE		
	Day			Day		
	1	2	3	1	2	3
0	0.90	0.79	2.18	1.28	1.40	1.95
300	1.02	0.92	1.47	1.31	1.53	1.25
3,000	1.11	1.15	1.56	1.49	1.52	2.11

TABLE LVI

ORGAN WEIGHTS IN GRAMS OF INDIVIDUAL MALE DOGS
SACRIFICED AT ONE AND TWO YEARS

Group	Animal No.	Final Body Wt. (kg)	Brain	Heart	Lungs	Liver	Spleen	Kidneys	Testes	Stomach	Thymus	Adrenal	Pituitary	Prostrate
	1101*	8.9	77.3	94.4	143.5	354.9	25.8	58.0	14.2	96.0	10 0	0.13	0.007	-
I	1104	14.3	83.0	120.4	186.7	520.7	38.6	87.2	30.6	158.5	15.2	1.54	0.08	8.2
(Control)	1107	14.8	85.6	117.1	196.2	437.4	41.6	71.9	25.7	116.2	12.8	0.18	0.09	12.7
	1110	12.2	105.4	111.1	172.1	407.5	33.0	81.6	28.3	111.4	10.2	0.24	0.06	12.4
III	1099	13.0	76.2	135.5	210.2	459.3	35.9	80.2	31.7	97.6	10.0	0.16	0.06	8.7
Low Level	1103	11.5	77.6	106.2	132.3	343.6	45.4	89.6	21.8	100.0	16.2	0.58	0.09	18.2
Freon® 12	1106	16.2	75.2	145.0	197.0	540.4	43.9	105.6	35.1	138.3	7.4	0.29	0.09	10.7
	1109	11.3	79.7	92.9	137.9	335.4	25.7	64.8	17.4	96.4	11.1	0.12	0.08	14.3
V	1100*	13.1	84.7	103.8	158.6	384.5	29.1	69.1	20.9	98.7	7.1	0.14	0.07	-
High Level	1191	12.8	90.9	118.0	188.1	406.0	36.6	118.3	22.3	124.0	10.0	1.86	0.09	11.3
Freon® 12	1105	14.8	68.9	112.0	180.9	427.2	37.6	91.4	34.9	97.6	10.8	0.18	0.09	10.0
	1108	13.6	66.9	103.8	194.0	481.2	60.6	74.0	26.7	96.0	6.8	0.17	0.09	15.5

* Sacrificed by design after one year.

TABLE LVII

ORGAN WEIGHTS IN GRAMS OF INDIVIDUAL FEMALE DOGS
SACRIFICED AT ONE AND TWO YEARS

Group	Animal No.	Final Body Wt. (kg)	Brain	Heart	Lungs	Liver	Spleen	Kidneys	Stomach	Thymus	Adrenal	Pituitary
	1113	10.6	77.0	83.7	143.8	372.5	26.0	54.4	102.0	6.7	0.16	0.10
II	1116*	12.5	83.6	88.2	145.3	390.0	25.6	51.2	118.4	7.0	0.17	0.09
(Control)	1119	11.9	70.4	84.0	140.4	307.4	28.3	55.9	89.4	11.0	0.13	0.08
	1122	9.8	83.9	81.5	142.9	269.2	24.1	45.6	73.6	6.4	0.15	0.08
IV	1112	4.2	75.2	74.5	127.0	491.3	25.9	69.8	96.2	9.9	0.15	0.12
Low Level	1115	11.3	79.3	102.3	176.5	288.4	33.9	49.2	79.9	5.5	0.17	0.10
Freon® 12	1118	11.8	84.0	81.1	148.6	382.3	37.9	58.7	97.6	11.1	1.51	0.07
	1121	13.5	70.8	74.1	149.3	313.0	22.3	55.8	86.3	6.2	1.34	0.08
VI	1111	17.3	82.8	90.9	132.8	508.4	33.8	68.6	126.9	18.5	1.42	0.09
High Level	1114	8.3	69.8	72.7	111.1	240.1	23.6	41.4	69.8	3.2	1.20	0.07
Freon® 12	1117*	11.4	72.9	79.9	127.7	419.6	33.8	56.5	89.5	18.1	0.16	0.07
	1120	10.0	82.1	78.7	128.8	326.8	39.8	56.2	10.5	12.1	1.66	0.06

* Sacrificed by design after one year.

HASKELL # - 7146 TEST # - 36 MR. # - 1388001 JANUARY 31, 1974
COMPOUND - FREON-12

ANIMAL #	1101	1100	1116	1117
GROUP #	01	05	02	06
TREATMENT DAYS	371	370	370	370
POST-TREATMENT DAYS				
DIET/DOSE VALUE	00	3000	00	3000
INITIAL WEIGHT	11000	12800	12600	10200
LOW WEIGHT				
FINAL WEIGHT	8900	13100	12500	11400
SEX	M	M	F	F
DIED/SACRIFICED	S	S	S	S
EYE NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0
BRAIN NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0
CERVICAL SPINAL CORD, NOS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0
SCIATIC NERVE NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0
SKIN NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0
MAMMARY GLAND NORMAL MORPHOLOGIC STRUCTURES			0	0
MAMMARY GLAND TISSUE NOT EXAMINED	X	X		
BONE MARROW NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0
SPLEEN NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0
LYMPH NODE NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0
BONE NORMAL MORPHOLOGIC STRUCTURES	0	0	0	
BONE TISSUE NOT EXAMINED				X
SKELETAL MUSCLE NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0
TRACHEA NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0
LUNG NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0
PLEURA NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0
HEART NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0
AORTA NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0
SALIVARY GLAND NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0
LIVER NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0
PANCREAS EXCEPT ISLETS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0
ESOPHAGUS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0
STOMACH NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0
DUODENUM NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0
COLON NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0
CECUM NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0

HASKELL # - 7148 TEST # - 30 MR. # - 1388001 JANUARY 31, 1974
COMPOUND - FREON-12

ANIMAL #	1101	1100	1116	1117
KIDNEY NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0
URINARY BLADDER NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0
PROSTATE, NOS NORMAL MORPHOLOGIC STRUCTURES	0	0		
TESTIS NORMAL MORPHOLOGIC STRUCTURES	0	0		
EPIDIDYMIS NORMAL MORPHOLOGIC STRUCTURES	0	0		
UTERUS, NOS NORMAL MORPHOLOGIC STRUCTURES			0	0
FALLOPIAN TUBE NORMAL MORPHOLOGIC STRUCTURES			0	0
OVARY NORMAL MORPHOLOGIC STRUCTURES			0	0
PITUITARY GLAND NORMAL MORPHOLOGIC STRUCTURES		0	0	0
PITUITARY GLAND TISSUE NOT EXAMINED	X			
ADRENAL GLAND NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0
THYROID GLAND NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0
PARATHYROID GLAND NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0
THYMUS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0
ISLETS OF LANGERHANS NORMAL MORPHOLOGIC STRUCTURES	0	0	0	0

H-7148
MR-1388

TABLE LIX

Histopathology - Dogs - Terminal Sacrifice

Dog No.	Group Sex	Dose Freon® 12 PPM	Sacrificed Days on Test	Lesions
1104	I ♂	0	743	Focal suppurative pneumonia, slight; subpleural fibrosis, slight.
1107	I ♂	0	743	Interstitial lymphoid nodules, epididymus, slight.
1110	I ♂	0	743	Focal absence of germinal cells, testis, slight.
1105	V ♂	3000	744	Interstitial lymphoid nodules, epididymus, slight.
1108	V ♂	3000	744	
1191	V ♂	3000	686	Lymphocytic thyroiditis; focal pulmonary edema and hemorrhage, slight.
1113	II ♀	0	744	Subpleural fibrosis, slight.
1119	II ♀	0	744	Lymphoid cells, renal pelvis, slight.
1122	II ♀	0	744	Perivascular lymphoid cells, brain, slight.
1111	VI ♀	3000	745	Focus of plasma cells, kidney.
1114	VI ♀	3000	745	
1120	VI ♀	3000	745	Fatty change, kidney, slight; lymphoid cells, renal pelvis, slight.

Organs examined included: Brain, spinal cord, sciatic nerve, skeletal muscle, heart, aorta, esophagus, stomach, small intestines, colon, skin, mammary gland, ovary, oviduct, uterus, testis, epididymus, prostate, bone marrow, lymph node, thymus, spleen, liver, pancreas, kidney, adrenal, thyroid, parathyroid, lung, trachea, eye, urinary bladder, gall bladder, pituitary.

APPENDIX I

APPENDIX I (1)

BODY WEIGHTS OF INDIVIDUAL RATS

Group I - Control - Males - First Year

Animal No.	Weeks on Test 0	1	2	3	4	5	6	7	8	9	10	11	12	13
134244	168	229	284	336	380	421	455	484	510	534	556	572	585	618
134245	153	206	258	312	360	401	445	475	479	486	503	520	547	571
134246	160	215	271	320	359	408	456	469	492	508	522	538	555	572
134247	151	206	261	316	358	405	433	464	492	512	528	534	552	564
134248	150	201	252	310	367	355	301	336	395	459	493	512	532	552
134249	145	193	244	296	349	388	425	447	478	495	507	519	536	553
134250	143	192	244	295	340	381	413	440	461	484	496	508	521	515
134251	149	198	248	296	336	378	411	436	456	476	484	499	508	511
134252	136	179	228	267	306	343	380	405	422	447	462	475	490	494
134253	136	184	233	276	305	342	373	394	417	433	446	461	475	470
134254	141	188	234	278	326	352	379	403	416	434	448	463	365	473
134255	128	166	207	252	298	327	354	381	398	412	435	447	461	468
134256	110	153	197	250	301	346	386	415	441	468	493	503	512	522
134257	118	155	198	245	289	331	361	385	405	425	446	450	460	466
134258	119	158	199	246	289	327	359	373	397	420	434	443	455	452
134259	112	154	196	246	298	348	389	421	440	468	487	504	502	523
134260	137	187	243	284	312	350	378	408	428	451	468	482	492	512
134261	123	165	211	259	291	332	360	392	409	437	462	471	480	506
134262	131	180	229	270	303	335	365	389	409	426	441	456	470	482
134263	121	168	216	251	294	322	356	378	394	413	429	436	446	462
134264	131	178	224	265	309	344	372	396	413	423	443	414	390	420
134265	146	203	259	314	377	419	457	488	516	542	553	572	585	597
134266	152	214	280	340	400	446	490	522	547	574	595	602	616	632
134267	138	195	250	298	353	390	418	441	472	491	502	527	534	544
134268	123	182	240	297	341	366	401	411	433	442	457	484	502	513
134269	123	175	234	284	324	369	400	426	448	463	478	498	502	510

APPENDIX I (2)

BODY WEIGHTS OF INDIVIDUAL RATS

Group I - Control - Males - First Year

Animal No.	Weeks on Test 0	1	2	3	4	5	6	7	8	9	10	11	12	13
134270	128	177	232	289	334	374	405	428	451	477	493	511	514	518
134271	128	176	230	281	333	379	408	440	463	486	501	520	527	534
134272	126	180	233	278	328	365	392	422	443	464	418	501	517	523
134273	124	172	221	272	320	360	383	409	428	453	463	478	493	493
134274	133	185	235	281	326	367	401	430	451	472	477	492	502	513
134275	137	191	241	288	333	373	409	434	460	478	493	503	508	521
134276	135	194	248	299	340	364	414	451	467	492	499	510	523	523
134277	136	199	259	312	361	373	418	455	466	496	508	522	527	532
134278	116	158	209	266	323	360	401	428	449	472	*	*	*	503
134279	125	183	236	292	349	391	421	450	476	494	*	*	*	539
134280	119	168	217	268	326	375	419	456	480	505	*	*	*	537
134281	121	165	216	275	334	376	415	452	477	502	*	*	*	542
134282	114	173	229	286	333	363	390	408	424	443	*	*	*	493
134283	116	155	204	254	318	358	392	422	440	464	*	*	*	510
134284	114	163	211	267	324	366	404	429	453	478	*	*	*	524
134285	113	155	202	255	300	342	371	396	420	436	*	*	*	479
134286	120	169	213	259	312	351	385	414	437	462	*	*	*	500
134287	117	167	218	267	323	368	400	433	465	490	*	*	*	532
134288	118	163	209	254	304	339	373	394	412	427	*	*	*	455
134289	117	164	215	263	319	356	398	423	455	479	*	*	*	516
134290	115	166	207	255	305	289	363	401	431	460	*	*	*	533
134291	113	163	211	260	317	305	372	412	446	473	*	*	*	538
134292	118	166	213	253	306	342	377	407	431	456	*	*	*	494
134293	119	180	227	276	328	365	402	432	445	466	*	*	*	506
Average	129	179	220	279	327	362	397	404	447	469	483	498	508	517

* Transferred to reproduction study.

APPENDIX I (3)

BODY WEIGHTS OF INDIVIDUAL RATS

Group I - Control - Males - First Year

Animal No.	Weeks on Test 14	15	16	17	18	19	20	21	22	23	24	25	26	28
134244	612	622	640	653	663	683	693	706	716	722	736	748	753	773
134245	583	593	614	622	639	657	668	682	692	702	707	719	722	751
134246	583	577	592	605	617	628	637	649	655	661	670	670	681	698
134247	572	571	582	594	610	622	632	643	657	668	676	677	685	690
134248	569	578	608	624	648	666	675	698	712	716	722	729	738	770
134249	556	556	566	571	586	590	603	607	613	617	622	632	633	645
134250	533	537	551	556	571	585	583	592	595	598	609	611	610	627
134251	528	537	554	560	582	588	598	612	618	621	627	634	646	664
134252	505	516	527	525	537	542	546	555	568	573	583	586	587	593
134253	484	497	506	508	523	531	537	542	552	554	565	561	575	582
134254	485	492	507	523	530	539	555	567	574	581	590	598	602	616
134255	482	490	505	511	519	534	542	549	563	558	572	575	582	589
134256	534	535	548	553	565	583	592	601	605	612	626	633	641	662
134257	476	482	503	514	515	527	536	540	544	539	537	548	550	557
134258	557	473	492	497	510	519	528	533	511	521	533	542	554	561
134259	535	546	557	563	581	603	613	628	625	633	649	655	659	685
134260	503	507	517	519	528	540	544	562	570	570	583	584	588	602
134261	505	502	515	523	540	549	560	574	574	582	588	593	605	627
134262	475	475	486	491	516	523	524	537	543	550	559	564	569	583
134263	467	470	487	488	500	513	519	530	536	543	547	555	560	572
134264	424	438	449	458	480	486	497	488	493	498	498	502	508	504
134265	617	623	631	637	651	670	676	678	695	705	707	708	**	-
134266	645	653	672	679	683	700	710	712	722	729	734	732	744	752
134267	547	570	593	593	599	616	632	632	632	622	617	631	632	644
134268	525	525	547	550	558	565	577	582	595	589	600	611	615	618
134269	523	527	541	552	568	567	573	584	581	579	591	611	611	617

** Found dead.

APPENDIX I (4)

BODY WEIGHTS OF INDIVIDUAL RATS

Group I - Control - Males - First Year

Animal No.	Weeks on Test 14	15	16	17	18	19	20	21	22	23	24	25	26	28
134270	532	538	552	561	580	590	597	610	620	622	629	637	649	660
134271	550	554	562	569	580	588	601	604	582	592	602	614	621	671
134272	542	545	565	568	577	588	597	611	618	622	631	641	647	668
134273	506	511	523	523	538	548	550	563	566	575	586	593	598	625
134274	522	529	545	547	567	563	592	604	620	621	628	634	640	662
134275	532	534	550	558	563	572	583	595	604	610	618	623	627	639
134276	533	550	568	582	599	609	616	623	634	637	650	655	657	687
134277	546	552	566	577	590	602	612	625	634	640	646	652	665	684
134278	523	543	563	567	572	575	582	592	598	594	611	610	613	625
134279	532	562	584	592	595	612	625	637	644	641	648	656	656	681
134280	563	583	597	614	622	632	652	662	686	683	685	696	705	722
134281	550	553	570	583	593	550	552	550	573	586	601	603	607	623
134282	498	512	526	540	548	557	569	573	574	577	584	588	598	604
134283	513	512	528	542	555	557	562	561	572	574	576	578	582	590
134284	541	545	567	574	582	598	612	617	624	626	629	638	638	648
134285	493	500	513	517	528	540	544	558	566	568	581	582	581	593
134286	504	514	534	542	550	557	560	572	579	588	594	597	605	624
134287	537	543	562	572	583	598	603	611	622	623	620	630	637	642
134288	472	483	488	493	506	511	520	532	534	535	540	543	553	562
134289	523	532	553	552	571	575	575	585	592	597	608	606	613	621
134290	547	558	578	581	602	613	621	626	634	642	643	636	612	617
134291	557	565	586	600	611	623	626	636	647	653	658	672	675	696
134292	511	529	553	551	569	579	593	602	616	623	**	-	-	-
134293	521	534	548	561	561	575	582	594	608	605	610	615	627	631
Average	529	535	551	559	571	581	594	598	606	610	617	623	626	641

APPENDIX I (5)

BODY WEIGHTS OF INDIVIDUAL RATS

Group I - Control - Males - First Year

Animal No.	Weeks on Test 30	32	34	36	38	40	42	44	46	48	50	52
134244	792	809	835	855	871	890	910	925	943	945	945	965
134245	773	777	790	804	821	829	849	872	879	888	895	893
134246	718	723	746	759	762	773	784	802	812	794	778	756
134247	708	720	734	753	763	780	790	798	817	808	780	788
134248	788	812	823	841	857	882	907	917	928	940	843	878
134249	651	654	659	663	681	688	698	703	707	700	798	707
134250	647	662	685	698	708	720	735	739	758	761	764	764
134251	675	681	698	712	718	727	733	737	737	743	739	739
134252	605	611	631	645	654	663	673	681	685	697	704	700
134253	607	612	628	641	654	663	684	693	707	707	706	710
134254	636	653	662	642	669	692	705	725	737	746	753	761
134255	606	612	620	630	645	653	658	662	673	673	677	684
134256	673	683	707	722	730	744	760	774	790	790	727	731
134257	558	576	581	583	592	598	600	611	596	596	601	615
134258	579	587	603	611	619	633	647	660	667	637	631	633
134259	703	715	730	736	750	756	775	792	798	814	830	833
134260	617	623	643	654	666	681	699	708	716	718	728	691
134261	642	653	672	690	710	729	748	762	781	791	797	780
134262	593	601	610	612	615	629	642	649	658	652	642	647
134263	589	598	615	629	635	645	668	668	672	674	647	654
134264	517	450	482	508	522	515	532	536	540	508	517	532
134265	-	-	-	-	-	-	-	-	-	-	-	-
134266	775	773	784	792	732	750	791	799	807	782	789	802
134267	653	655	565	**	-	-	-	-	-	-	-	-
134268	625	642	647	663	664	604	639	665	671	671	668	677
134269	636	649	672	682	620	602	654	672	691	704	706	707

APPENDIX I (6)

BODY WEIGHTS OF INDIVIDUAL RATS

Group I - Control - Males - First Year

Animal No.	Weeks on Test 30	32	34	36	38	40	42	44	46	48	50	52
134270	582	703	711	726	742	755	755	748	749	748	740	747
134271	645	662	673	698	710	730	731	743	711	730	728	733
134272	674	692	702	721	728	722	733	742	759	757	761	768
134273	647	661	673	689	697	714	725	737	743	743	751	752
134274	683	700	713	728	747	762	785	785	778	714	703	727
134275	624	643	671	682	698	714	725	720	**	-	-	-
134276	685	703	722	733	753	765	781	790	792	787	795	809
134277	685	707	725	740	751	758	769	780	710	728	724	742
134278	627	638	651	661	661	670	683	686	697	702	693	684
134279	695	698	716	732	739	738	757	770	780	786	790	682
134280	750	754	784	795	802	811	846	852	866	872	881	897
134281	635	643	662	680	687	692	704	722	723	728	728	739
134282	613	623	638	647	651	651	663	659	675	683	685	661
134283	601	612	614	623	632	639	645	663	673	673	678	678
134284	664	674	685	702	712	715	725	721	722	723	709	722
134285	598	611	617	623	630	623	594	**	-	-	-	-
134286	632	649	663	672	682	684	698	700	709	713	728	719
134287	667	680	679	690	707	722	733	740	750	762	750	752
134288	572	582	588	596	601	605	623	631	638	647	652	662
134289	628	647	654	658	671	677	691	692	704	705	706	718
134290	641	644	657	662	655	653	643	592	611	601	607	618
134291	712	720	747	746	764	763	782	791	802	806	813	818
134292	-	-	-	-	-	-	-	-	-	-	-	-
134293	642	657	670	680	690	694	705	719	737	737	733	747
Average	654	663	676	690	697	704	719	729	735	735	734	734

APPENDIX I (7)

BODY WEIGHTS OF INDIVIDUAL RATS

Group I - Control - Males - Second Year

Animal No.	Weeks on Test 56	60	64	68	72	76	80	84	88	92	96	100	104
134244	1007	1026	1028	1063	1076	1087	1101	1119	1132	1145	1146	1130	1080
134245	930	964	981	896	945	969	1000	1008	1034	1041	1059	1019	895
134246	785	773	797	800	810	796	772	769	759	757	750	738	660
134247	825	851	876	872	895	882	898	929	953	968	975	927	**
134248	951	970	1012	1032	1053	1074	1075	1081	1084	1096	1076	1055	**
134249	710	690	652	684	693	699	711	718	712	681	701	696	664
134250	790	798	813	883	828	832	845	841	847	840	842	833	868
134251	762	790	817	849	849	872	884	899	910	923	934	927	751
134252	724	722	743	758	758	774	788	800	791	803	803	803	806
134253	729	751	765	783	795	820	834	856	853	860	871	878	857
134254	788	804	837	861	796	δ	-	-	-	-	-	-	-
134255	712	712	719	723	723	735	738	732	740	747	695	681	662
134256	**	-	-	-	-	-	-	-	-	-	-	-	-
134257	643	647	685	708	721	698	738	755	763	783	788	784	788
134258	665	692	713	740	744	763	774	791	806	805	794	802	822
134259	863	888	893	917	960	974	991	952	982	1007	1031	1059	1081
134260	§	-	-	-	-	-	-	-	-	-	-	-	-
134261	§	-	-	-	-	-	-	-	-	-	-	-	-
134262	654	668	683	693	707	740	748	745	749	758	762	762	746
134263	695	710	750	772	772	796	821	822	836	852	864	871	843
134264	**	-	-	-	-	-	-	-	-	-	-	-	-
134265	-	-	-	-	-	-	-	-	-	-	-	-	-
134266	847	851	885	918	916	923	907	885	**	-	-	-	-
134267	-	-	-	-	-	-	-	-	-	-	-	-	-
134268	705	712	732	746	735	764	767	769	760	775	770	748	**
134269	749	782	791	804	826	877	δ	-	-	-	-	-	-

δ Sacrificed per design.

§ Sacrificed in extremis.

APPENDIX I (8)

BODY WEIGHTS OF INDIVIDUAL RATS

Group I - Control - Males - Second Year

Animal No.	Weeks on Test 56	60	64	68	72	76	80	84	88	92	96	100	104
134270	773	776	792	826	830	853	867	871	862	860	854	**	-
134271	760	773	766	770	765	798	823	836	830	818	812	827	655
134272	785	781	791	796	771	772	756	753	711	667	596	δ	-
134273	782	764	774	790	786	797	793	774	742	741	723	688	652
134274	δ	-	-	-	-	-	-	-	-	-	-	-	-
134275	-	-	-	-	-	-	-	-	-	-	-	-	-
134276	833	839	865	889	895	931	927	948	948	950	918	943	859
134277	763	782	787	782	798	823	827	855	855	885	828	960	δ
134278	δ	-	-	-	-	-	-	-	-	-	-	-	-
134279	δ	-	-	-	-	-	-	-	-	-	-	-	-
134280	901	936	963	988	990	993	974	952	917	856	777	672	§
134281	764	772	805	809	826	842	843	859	854	864	872	863	833
134282	635	685	722	743	8	801	775	779	823	849	853	**	-
134283	705	718	747	756	770	797	812	824	826	826	828	812	807
134284	740	745	758	782	773	806	803	820	811	803	792	793	779
134285	-	-	-	-	-	-	-	-	-	-	-	-	-
134286	700	710	710	685	643	608	574	§	-	-	-	-	-
134287	767	764	765	756	740	733	702	663	642	577	§	-	-
134288	675	685	703	712	706	721	617	§	-	-	-	-	-
134289	725	722	739	741	734	737	735	715	714	708	671	662	623
134290	622	606	615	646	612	601	592	610	573	560	528	476	§
134291	842	853	883	904	894	910	942	950	941	896	818	§	-
134292	-	-	-	-	-	-	-	-	-	-	-	-	-
134293	760	762	771	783	788	796	808	827	824	**	-	-	-
Average	765	776	793	807	808	821	827	838	836	834	830	830	797

APPENDIX I (9)

BODY WEIGHTS OF INDIVIDUAL RATS

Group II - Control - Females - First Year

Animal No.	Weeks on Test 0	1	2	3	4	5	6	7	8	9	10	11	12	13
134294	125	152	169	183	200	210	223	232	252	245	256	254	264	265
134295	126	160	176	194	203	227	240	255	277	274	289	292	297	309
134296	105	132	144	157	186	191	203	212	216	222	221	232	233	238
134297	138	173	182	202	223	240	258	271	274	288	300	295	313	321
134298	115	147	164	182	204	219	234	245	259	261	269	275	281	283
134299	113	138	155	171	186	202	210	220	227	234	241	244	248	249
134300	110	143	174	191	210	221	239	245	261	269	272	280	285	258
134301	117	151	170	183	198	208	215	228	242	241	251	257	261	246
134302	101	127	144	162	192	198	218	226	234	243	244	256	261	273
134303	104	132	162	173	196	208	228	238	246	256	253	258	263	302
134304	98	131	161	184	214	227	241	254	264	270	281	283	292	247
134305	100	136	164	183	215	231	247	267	279	281	287	298	307	292
134306	116	145	168	182	203	211	220	231	243	247	256	261	265	284
134307	104	136	156	165	185	196	206	216	225	227	232	236	240	253
134308	107	143	167	184	206	218	235	246	247	263	264	271	278	258
134309	102	141	170	190	206	226	231	259	273	280	274	291	293	254
134310	105	142	156	171	189	201	213	225	225	236	235	237	237	288
134311	108	153	181	184	221	226	250	258	269	281	276	296	297	299
134312	126	161	181	200	226	232	248	255	276	280	281	285	295	297
134313	123	155	177	194	218	227	246	256	276	277	281	300	296	301
134314	125	159	176	200	215	235	247	265	269	280	288	293	288	300
134315	130	169	190	214	243	253	276	286	309	313	324	330	341	343
134316	109	151	170	192	206	224	238	240	248	251	250	257	263	271
134317	115	157	181	209	218	253	266	261	278	285	308	316	320	304
134318	119	167	195	211	228	253	264	281	298	290	309	311	315	307
134319	121	163	181	201	230	233	244	258	266	283	294	298	296	310

APPENDIX I (10)

BODY WEIGHTS OF INDIVIDUAL RATS

Group II - Control - Females - First Year

Animal No.	Weeks on Test 0	1	2	3	4	5	6	7	8	9	10	11	12	13
134320	120	161	180	208	234	251	268	269	291	298	310	318	319	298
134321	121	160	197	206	235	270	270	284	296	291	327	334	342	316
134322	108	145	173	198	218	231	254	265	274	278	292	298	293	294
134323	103	141	168	185	205	224	237	255	271	275	290	285	297	291
134324	97	131	155	178	198	212	228	241	244	255	258	264	266	273
134325	108	143	175	201	222	241	253	264	277	292	290	302	307	316
134326	102	136	158	171	190	210	226	234	251	253	261	267	263	269
134327	107	145	173	191	215	238	244	263	277	285	296	293	305	310
134328	103	142	172	189	208	227	241	258	276	283	*	*	*	*
134329	102	136	166	186	206	228	242	258	263	272	*	*	*	*
134330	107	146	175	195	219	244	254	274	291	303	*	*	*	*
134331	99	136	159	185	206	221	227	248	260	262	*	*	*	*
134332	101	140	166	188	209	236	250	264	274	278	*	*	*	*
134333	107	153	181	199	224	239	258	273	285	300	*	*	*	*
134334	110	158	190	203	234	240	256	268	286	298	*	*	*	*
134335	92	134	164	184	207	211	226	242	247	257	*	*	*	*
134336	107	153	191	207	238	252	278	286	302	319	*	*	*	*
134337	93	132	168	183	214	228	253	258	273	273	*	*	*	*
134338	115	165	197	219	255	268	303	335	335	353	*	*	*	*
134339	94	136	164	174	203	208	231	241	354	262	*	*	*	*
134340	108	149	187	194	206	238	250	271	281	297	*	*	*	*
134341	102	139	165	180	195	221	235	252	263	264	*	*	*	*
134342	106	150	185	208	232	247	268	284	291	311	*	*	*	*
134343	108	150	181	201	227	264	256	289	292	298	*	*	*	*
Average	110	147	172	190	212	228	243	256	270	275	275	281	286	286

* Transferred to reproduction study.

APPENDIX I (11)

BODY WEIGHTS OF INDIVIDUAL RATS

Group II - Control - Females - First Year

Animal No.	Weeks on Test 14	15	16	17	18	19	20	21	22	23	24	25	26	28
134294	266	271	281	291	252	288	296	308	316	318	317	326	328	326
134295	310	319	323	358	324	343	340	371	363	352	368	367	362	372
134296	236	240	247	258	246	253	261	261	267	264	268	266	271	268
134297	314	324	326	347	337	334	345	360	353	355	364	363	374	377
134298	288	294	301	309	307	315	314	322	327	331	331	340	340	346
134299	251	256	260	276	267	273	273	282	285	287	285	285	286	290
134300	285	285	299	301	309	313	312	317	319	321	327	329	328	333
134301	267	268	275	288	281	287	292	292	298	297	301	304	306	312
134302	265	272	281	289	288	292	296	304	308	308	316	317	326	321
134303	269	266	275	283	278	284	285	286	290	290	292	293	294	296
134304	294	306	308	321	322	329	335	336	348	348	350	355	353	359
134305	309	315	325	320	337	346	343	344	350	351	355	354	355	361
134306	263	270	277	276	286	292	295	301	303	300	309	313	306	341
134307	248	249	259	252	254	263	264	265	270	270	272	267	271	273
134308	281	288	294	290	300	304	299	318	317	309	319	327	321	338
134309	294	306	316	315	383	323	332	328	344	341	346	343	352	358
134310	253	251	254	256	262	263	260	267	269	273	274	273	276	287
134311	303	296	315	320	320	320	325	338	349	351	356	361	367	392
134312	290	238	**	-	-	-	-	-	-	-	-	-	-	-
134313	310	311	326	330	335	343	343	355	358	363	368	367	365	378
134314	303	296	314	315	318	319	326	331	334	331	341	342	342	357
134315	354	353	371	369	375	398	394	404	410	411	425	425	428	432
134316	272	273	285	286	290	293	300	304	306	309	309	311	311	321
134317	318	322	330	330	340	374	389	398	407	394	387	388	378	412
134318	312	313	324	327	329	342	355	346	355	356	360	361	366	367
134319	308	323	332	341	347	347	363	370	368	370	378	378	370	387

** Found dead.

APPENDIX I (12)

BODY WEIGHTS OF INDIVIDUAL RATS

Group II - Control - Females - First Year

Animal No.	Weeks on Test 14	15	16	17	18	19	20	21	22	23	24	25	26	28
134320	310	328	327	341	328	337	352	346	366	361	360	368	361	373
134321	336	340	333	346	379	383	383	395	412	421	424	442	438	469
134322	301	315	322	327	333	338	344	347	352	358	364	366	367	376
134323	300	305	319	323	336	344	347	356	363	360	362	366	368	386
134324	276	279	288	293	296	307	306	312	313	319	319	322	323	346
134325	318	324	335	340	353	358	365	371	377	376	380	381	388	403
134326	265	273	283	270	283	282	280	291	291	288	296	285	296	291
134327	312	320	332	328	357	366	362	60	361	368	393	386	396	405
134328	*	*	*	*	303	318	327	336	334	336	333	334	341	346
134329	*	*	*	*	302	308	316	323	321	324	326	305	322	325
134330	*	*	*	*	330	357	361	366	367	381	390	381	389	422
134331	*	*	*	*	303	331	332	335	335	347	353	346	355	351
134332	*	*	*	*	320	340	344	344	349	354	345	356	374	384
134333	*	*	*	*	330	359	367	382	375	372	374	380	392	415
134334	*	*	*	*	343	347	348	324	350	361	356	360	396	404
134335	*	*	*	*	318	322	331	329	330	334	341	344	347	359
134336	*	*	*	*	354	386	391	417	437	430	428	434	458	465
134337	*	*	*	*	323	328	334	337	336	343	347	350	349	364
134338	*	*	*	*	402	387	425	433	460	452	470	477	476	480
134339	*	*	*	*	*	288	300	301	303	306	308	312	308	321
134340	*	*	*	*	334	362	364	391	404	406	396	413	421	444
134341	*	*	*	*	301	317	318	317	325	325	325	333	351	356
134342	*	*	*	*	331	348	360	368	376	382	403	406	396	410
134343	*	*	*	*	*	321	336	332	336	347	346	346	357	371
Average	291	294	304	310	317	326	331	337	342	344	348	350	354	365

APPENDIX I (13)

BODY WEIGHTS OF INDIVIDUAL RATS

Group II - Control - Females - First Year

Animal No.	Weeks on Test 30	32	34	36	38	40	42	44	46	48	50	52
134294	348	349	357	374	384	393	407	413	407	413	418	397
134295	377	385	398	406	423	428	442	443	453	455	485	466
134296	268	272	275	280	287	287	293	296	302	310	310	305
134297	379	394	408	424	440	446	437	448	461	476	487	480
134298	342	351	354	360	368	375	383	393	406	416	418	414
134299	**	-	-	-	-	-	-	-	-	-	-	-
134300	334	344	348	354	361	371	374	381	390	401	401	396
134301	323	323	328	332	339	345	352	359	367	378	378	376
134302	332	337	353	360	367	379	387	397	409	416	419	410
134303	308	316	322	332	340	350	354	369	379	391	394	390
134304	367	377	382	385	399	400	407	414	414	426	430	431
134305	364	374	388	402	410	411	418	422	434	445	459	448
134306	327	331	343	358	364	362	365	375	394	403	403	398
134307	283	298	294	297	306	323	318	320	321	333	333	335
134308	347	350	376	384	379	389	393	406	411	423	407	401
134309	364	377	383	384	408	405	412	413	413	431	440	428
134310	289	303	310	314	302	310	304	304	315	334	319	308
134311	397	396	397	413	424	426	428	435	439	456	466	472
134312	-	-	-	-	-	-	-	-	-	-	-	-
134313	381	390	**	-	-	-	-	-	-	-	-	-
134314	361	369	377	378	383	394	402	405	417	419	409	402
134315	443	451	467	474	482	490	504	508	512	517	**	-
134316	328	335	339	343	355	368	373	384	393	406	408	402
134317	435	444	434	458	455	455	489	510	525	541	552	556
134318	382	382	391	405	418	435	447	456	462	467	467	460
134319	397	398	414	419	429	442	468	468	488	490	491	485

APPENDIX I (14)

BODY WEIGHTS OF INDIVIDUAL RATS

Group II - Control - Females - First Year

Animal	Weeks on Test											
No	30	32	34	36	38	40	42	44	46	48	50	52
134320	382	403	416	433	442	450	469	480	488	510	510	508
134321	484	502	512	537	552	571	598	605	623	632	647	652
134322	382	386	394	400	411	420	428	430	445	442	448	459
134323	388	398	408	423	431	434	452	459	468	483	484	504
134324	363	370	368	389	397	398	408	415	419	428	433	435
134325	408	425	430	448	448	455	463	469	482	491	501	504
134326	297	306	303	303	308	305	312	312	315	302	326	321
134327	422	431	423	426	434	446	457	468	478	487	492	502
134328	346	353	329	338	343	345	352	358	362	370	371	373
134329	323	333	346	328	341	344	363	371	380	388	395	398
134330	432	442	435	439	460	488	480	486	489	501	515	530
134331	347	362	372	378	397	396	416	431	445	458	460	466
134332	371	377	396	408	436	450	460	480	462	**	-	-
134333	450	446	449	455	474	482	500	522	532	553	563	568
134334	393	402	398	410	449	472	454	437	445	452	461	429
134335	358	368	377	383	384	385	399	414	426	424	456	415
134336	472	495	514	536	545	550	562	562	588	588	608	632
134337	359	373	377	382	386	389	406	412	425	431	452	445
134338	513	512	527	532	557	569	572	577	593	603	595	619
134339	324	334	338	345	354	365	376	380	393	395	988	404
134340	457	441	434	486	493	502	519	522	555	563	566	575
134341	344	343	348	361	361	362	378	385	397	406	411	421
134342	433	428	433	435	445	452	443	453	464	475	496	503
134343	367	361	368	377	382	384	388	394	395	405	408	412
Average	375	382	386	395	405	413	421	428	438	446	451	450

APPENDIX I (15)

BODY WEIGHTS OF INDIVIDUAL RATS

Group II - Control - Females - Second Year

Animal No.	Weeks on Test 56	60	64	68	72	76	80	84	88	92	96	100	104
134294	408	421	428	451	455	474	467	487	497	512	507	493	520
134295	493	386	525	520	516	545	462	559	573	473	δ	-	-
134296	325	331	343	356	353	363	371	385	388	385	391	379	382
134297	521	558	547	582	579	607	607	617	631	636	610	605	608
134298	δ	-	-	-	-	-	-	-	-	-	-	-	-
134299	-	-	-	-	-	-	-	-	-	-	-	-	-
134300	418	420	444	461	481	504	529	543	548	564	578	581	594
134301	403	412	448	462	472	493	527	520	540	δ	-	-	-
134302	δ	-	-	-	-	-	-	-	-	-	-	-	-
134303	δ	-	-	-	-	-	-	-	-	-	-	-	-
134304	457	473	502	521	514	552	473	589	600	612	635	652	652
134305	468	474	493	524	521	555	562	575	578	586	594	609	593
134306	408	445	464	498	510	536	559	571	577	585	602	635	653
134307	326	327	335	336	351	356	347	352	360	383	361	385	408
134308	442	481	507	531	542	570	589	624	604	583	594	589	572
134309	443	453	453	480	882	472	477	437	427	421	419	358	**
134310	318	313	343	357	357	367	364	355	§	-	-	-	-
134311	479	507	531	543	560	588	599	610	613	631	668	717	748
134312	-	-	-	-	-	-	-	-	-	-	-	-	-
134313	-	-	-	-	-	-	-	-	-	-	-	-	-
134314	δ	-	-	-	-	-	-	-	-	-	-	-	-
134315	-	-	-	-	-	-	-	-	-	-	-	-	-
134316	415	422	448	475	485	512	514	526	514	519	492	403	δ
134317	568	580	590	619	636	641	645	665	670	668	675	δ	-
134318	467	498	503	486	494	503	509	δ	-	-	-	-	-
134319	508	533	572	597	632	657	566	δ	-	-	-	-	-

APPENDIX I (16)

BODY WEIGHTS OF INDIVIDUAL RATS

Group II - Control - Females - Second Year

Animal No.	Weeks on Test 56	60	64	68	72	76	80	84	88	92	96	100	104
134320	525	483	515	537	548	572	592	605	633	659	675	708	712
134321	655	682	711	762	783	810	824	840	863	887	903	904	δ
134322	467	483	502	526	533	532	523	δ	-	-	-	-	-
134323	510	518	525	558	583	362	581	563	550	560	552	522	497
134324	447	440	462	483	484	503	518	541	566	579	597	612	630
134325	540	566	598	633	650	685	706	729	732	722	718	745	760
134326	339	334	337	351	359	368	363	377	**	-	-	-	-
134327	510	517	529	556	565	562	δ	-	-	-	-	-	-
134328	388	396	408	418	441	437	447	458	473	482	δ	-	-
134329	417	415	423	442	461	476	486	499	503	516	523	532	502
134330	557	573	605	615	633	642	632	639	664	677	675	δ	-
134331	487	490	502	527	537	533	553	563	575	578	579	599	616
134332	-	-	-	-	-	-	-	-	-	-	-	-	-
134333	603	618	651	568	661	681	δ	-	-	-	-	-	-
134334	463	488	539	566	564	612	610	638	628	637	613	596	592
134335	420	400	429	461	423	463	485	485	488	486	490	501	470
134336	685	δ	-	-	-	-	-	-	-	-	-	-	-
134337	453	451	471	479	480	498	503	515	515	**	-	-	-
134338	629	659	649	648	668	707	692	705	694	706	700	699	**
134339	436	460	395	δ	-	-	-	-	-	-	-	-	-
134340	588	598	628	654	673	711	735	749	767	770	762	**	-
134341	457	470	492	512	529	541	554	564	585	586	604	618	623
134342	-	-	-	-	-	-	-	-	-	-	-	-	-
134343	δ	-	-	-	-	-	-	-	-	-	-	-	-
Average	473	478	496	518	527	546	548	559	578	586	597	584	586

APPENDIX I (17)

BODY WEIGHTS OF INDIVIDUAL RATS

Group III - Control - Males - First Year

Animal No.	Weeks on Test 0	1	2	3	4	5	6	7	8	9	10	11	12	13
134344	147	205	255	305	355	387	419	439	454	476	493	509	513	540
134345	131	175	214	264	310	344	377	410	431	455	470	485	498	518
134346	124	172	213	259	301	332	363	393	409	424	437	455	464	473
134347	125	178	227	275	327	373	405	446	461	482	494	507	511	492
134348	158	202	256	304	340	384	410	443	461	486	500	511	525	515
134349	148	201	251	303	344	389	420	451	473	490	508	500	532	542
134350	143	192	239	287	315	350	381	404	424	443	461	474	488	492
134351	161	220	283	339	390	431	469	508	542	561	571	588	612	611
134352	146	203	253	298	343	378	407	434	455	484	504	522	528	534
134353	129	179	226	271	315	346	376	409	433	464	480	492	506	512
134354	151	213	271	322	354	392	421	461	478	507	529	547	554	551
134355	157	210	259	303	336	380	405	443	460	486	506	525	541	545
134356	141	195	237	283	341	376	400	420	438	460	473	493	507	**
134357	141	195	245	296	344	385	414	439	454	471	486	497	506	511
134358	140	188	232	283	333	370	393	408	430	449	469	474	484	494
134359	141	190	240	291	345	385	421	456	483	504	523	538	552	556
134360	145	200	251	304	356	405	435	460	494	523	550	571	575	598
134361	143	198	243	290	323	358	388	421	440	458	456	471	475	477
134362	156	219	274	330	393	438	472	506	533	558	577	565	565	593
134363	152	203	250	295	339	377	406	434	453	473	482	496	504	519
134364	161	208	249	295	331	366	398	432	457	473	487	504	524	522
134365	168	218	271	322	370	409	447	486	515	546	570	593	606	619
134366	138	192	241	294	333	378	412	439	459	482	495	509	523	527
134367	132	184	230	290	329	365	405	426	448	470	491	517	522	537
134368	149	199	262	327	377	389	442	481	512	515	546	574	587	579
134369	136	195	240	266	322	332	374	416	448	448	482	497	517	525

APPENDIX I (18)

BODY WEIGHTS OF INDIVIDUAL RATS

Group III - Control - Males - First Year

Animal No.	Weeks on Test 0	1	2	3	4	5	6	7	8	9	10	11	12	13
134370	142	207	265	312	361	398	436	474	445	520	544	562	577	583
134371	155	205	265	333	387	434	475	502	536	557	581	594	617	614
134372	146	200	257	319	370	404	442	479	512	534	550	567	582	598
134373	98	148	201	251	319	368	407	446	475	502	518	540	556	567
134374	134	187	242	291	348	391	434	467	488	516	533	548	567	575
134375	126	174	221	266	316	348	379	408	421	440	464	477	492	488
134376	136	187	243	294	353	369	407	442	464	487	503	522	479	488
134377	120	168	213	260	309	330	365	408	426	450	466	483	492	501
134378	134	187	240	294	345	387	420	451	474	503	*	*	*	553
134379	120	173	233	287	340	381	412	444	470	505	*	*	*	553
134380	129	183	240	293	342	351	386	414	448	474	*	*	*	524
134381	130	180	229	280	330	345	387	413	449	471	*	*	*	530
134382	126	176	226	276	331	369	396	422	448	466	*	*	*	520
134383	125	183	234	291	347	397	428	471	496	524	*	*	*	596
134384	118	166	217	268	318	352	387	413	442	462	*	*	*	502
134385	110	147	188	237	286	324	358	392	416	444	*	*	*	512
134386	118	165	212	256	314	350	385	428	453	477	*	*	*	510
134387	130	179	225	269	325	364	398	431	457	486	*	*	*	539
134388	124	176	230	275	329	361	378	412	430	443	*	*	*	489
134389	125	181	226	270	324	363	394	430	441	453	*	*	*	494
134390	112	158	201	243	291	318	348	378	398	414	*	*	*	567
134391	121	175	224	270	336	381	408	438	458	479	*	*	*	533
134392	118	172	225	281	326	365	402	426	462	481	*	*	*	530
134393	116	170	215	270	331	378	421	447	477	502	*	*	*	533
Average	136	188	238	288	337	373	408	438	462	484	506	521	532	536

APPENDIX I (19)

BODY WEIGHTS OF INDIVIDUAL RATS

Group III - Control - Males - First Year

Animal No.	Weeks on Test 14	15	16	17	18	19	20	21	22	23	24	25	26	28
134344	533	541	556	565	590	604	612	630	625	636	650	653	660	682
134345	504	523	541	542	564	567	571	594	607	615	624	632	643	668
134346	485	488	509	513	528	542	536	552	563	462	578	580	585	606
134347	492	503	523	530	547	554	555	572	577	583	588	593	596	618
134348	497	**	-	-	-	-	-	-	-	-	-	-	-	-
134349	453	557	572	572	588	595	597	611	611	612	621	622	627	639
134350	512	517	531	540	552	568	573	588	592	604	607	613	628	645
134351	621	626	637	647	661	672	677	695	700	703	712	720	735	751
134352	553	564	576	578	539	577	591	614	609	622	639	643	647	663
134353	527	538	562	573	538	577	594	617	616	631	637	646	662	681
134354	568	573	594	609	621	630	642	660	658	666	673	673	684	707
134355	562	573	587	602	620	639	648	664	673	684	691	695	711	735
134356	-	-	-	-	-	-	-	-	-	-	-	-	-	-
134357	519	524	543	549	523	547	561	588	594	602	614	622	622	633
134358	498	505	520	527	538	548	552	571	578	582	596	597	612	631
134359	567	576	587	593	617	632	640	654	660	667	685	687	704	717
134360	602	607	625	638	650	652	660	666	680	683	694	702	712	721
134361	482	488	489	474	462	468	475	496	514	526	523	536	558	560
134362	556	566	602	608	637	650	667	683	695	711	723	737	752	770
134363	520	524	537	542	556	561	560	573	576	581	584	587	593	605
134364	540	553	364	566	587	598	606	622	628	634	641	651	651	672
134365	638	645	653	645	619	690	692	716	706	715	734	743	726	753
134366	527	538	578	545	557	570	574	575	586	593	600	599	605	612
134367	556	567	546	580	590	591	602	568	563	583	604	628	644	654
134368	596	607	618	626	643	658	661	676	689	694	709	722	726	743
134369	535	550	560	564	585	592	604	620	623	623	620	626	632	643

APPENDIX I (20)

BODY WEIGHTS OF INDIVIDUAL RATS

Group III - Control - Males - First Year

Animal No.	Weeks on Test 14	15	16	17	18	19	20	21	22	23	24	25	26	28
134370	596	604	610	609	618	631	643	667	682	687	697	705	713	732
134371	624	632	643	648	668	679	684	685	701	694	699	664	681	704
134372	609	620	636	647	659	671	674	696	704	712	722	728	742	757
134373	578	588	601	607	613	616	628	643	642	650	661	667	675	685
134374	583	589	606	612	628	637	642	651	654	666	675	682	694	647
134375	497	507	523	530	548	561	567	580	586	598	612	603	618	627
134376	515	523	546	556	562	569	578	593	602	603	610	611	621	629
134377	514	521	540	543	555	569	573	593	602	603	611	614	621	632
134378	567	576	596	599	615	625	631	642	652	652	659	664	672	686
134379	569	573	600	607	629	635	646	667	673	681	688	701	707	721
134380	535	548	577	564	575	591	587	597	604	615	620	627	635	648
134381	541	544	567	562	570	578	584	593	601	612	610	619	624	623
134382	525	540	553	568	578	578	586	606	610	620	623	628	627	639
134383	619	623	642	648	665	682	692	712	711	721	731	733	742	763
134384	506	513	538	537	549	562	562	578	578	588	602	617	627	640
134385	518	526	559	571	588	596	604	621	631	632	640	649	661	671
134386	513	532	548	565	583	593	606	626	637	645	655	660	649	667
134387	562	568	537	568	595	609	622	642	642	649	637	645	658	680
134388	506	523	547	552	519	553	572	592	597	607	621	630	640	652
134389	500	513	535	543	515	547	567	584	592	604	620	629	647	676
134390	478	490	507	508	522	535	547	566	571	577	583	584	601	617
134391	542	548	566	540	542	563	570	592	597	603	607	614	603	612
134392	538	556	577	579	585	590	596	608	611	615	622	629	638	647
134393	545	563	577	586	602	607	616	567	572	604	608	619	625	638
Average	541	554	569	574	583	597	605	619	624	632	641	646	655	669

APPENDIX I (21)

BODY WEIGHTS OF INDIVIDUAL RATS

Group III - Control - Males - First Year

Animal No.	Weeks on Test 30	32	34	36	38	40	42	44	46	48	50	52
134344	672	695	712	728	746	770	787	797	810	812	793	807
134345	687	706	721	726	731	749	765	776	791	805	755	735
134346	629	642	**	-	-	-	-	-	-	-	-	-
134347	641	648	655	673	687	702	715	722	737	751	674	630
134348	-	-	-	-	-	-	-	-	-	-	-	-
134349	645	657	668	679	687	695	701	697	682	693	691	698
134350	667	684	693	710	728	741	749	770	771	787	788	768
134351	770	787	803	824	842	865	888	898	909	917	880	837
134352	656	680	703	713	726	717	674	707	685	637	635	598
134353	702	727	744	760	780	794	818	840	843	844	827	797
134354	719	737	728	752	772	797	812	816	830	835	842	842
134355	750	772	775	807	832	856	875	890	898	918	923	937
134356	-	-	-	-	-	-	-	-	-	-	-	-
134357	652	666	681	687	695	707	722	740	750	758	766	776
134358	641	651	660	667	687	693	721	731	732	743	750	751
134359	728	739	748	760	771	776	787	794	805	817	822	832
134360	740	755	772	771	782	800	818	825	826	834	842	836
134361	569	586	578	574	610	614	625	620	637	639	644	638
134362	802	821	850	876	888	912	945	955	959	982	987	964
134363	615	620	632	626	640	646	655	664	667	677	670	670
134364	681	687	697	697	710	743	748	763	756	780	771	780
134365	775	784	813	815	839	860	885	901	913	923	944	957
134366	609	633	653	663	669	681	698	703	706	716	705	726
134367	671	696	716	721	730	737	748	772	774	785	778	787
134368	757	777	804	814	833	850	867	887	900	906	908	917
134369	669	672	702	694	709	724	712	702	710	712	715	715

APPENDIX I (22)

BODY WEIGHTS OF INDIVIDUAL RATS

Group III - Control - Males - First Year

Animal No.	Weeks on Test 30	32	34	36	38	40	42	44	46	48	50	52
134370	757	760	685	781	796	813	831	837	851	808	811	786
134371	720	734	752	757	768	768	762	775	789	789	793	807
134372	772	785	822	826	842	856	875	899	904	920	917	896
134373	706	713	740	741	745	760	768	786	780	757	763	788
134374	669	683	698	698	710	722	732	736	736	740	733	737
134375	646	656	679	680	691	717	723	727	682	692	712	731
134376	637	642	655	648	658	674	679	689	692	692	678	665
134377	650	661	675	675	687	692	708	723	719	734	724	724
134378	702	718	739	732	770	781	718	743	754	746	747	750
134379	737	758	788	792	805	820	840	862	870	853	843	868
134380	660	672	677	679	685	693	712	721	719	729	722	719
134381	628	635	634	622	625	625	628	635	617	631	600	555
134382	647	663	668	674	688	693	702	703	706	690	681	681
134383	777	792	797	801	806	812	812	803	795	**	-	-
134384	650	642	673	682	699	707	720	722	658	667	688	712
134385	685	691	705	705	711	720	737	748	749	743	**	-
134386	688	698	712	732	752	782	807	790	770	782	765	780
134387	695	**	-	-	-	-	-	-	-	-	-	-
134388	669	683	702	723	724	742	753	765	771	753	742	765
134389	704	720	668	719	731	753	775	788	813	823	827	863
134390	630	635	652	662	672	677	690	701	703	716	712	716
134391	640	656	683	685	697	714	725	737	712	728	700	735
134392	656	675	685	678	690	698	705	719	729	734	692	712
134393	δ	-	-	-	-	-	-	-	-	-	-	-
Average	684	698	713	721	734	748	758	768	769	773	767	767

APPENDIX I (23)

BODY WEIGHTS OF INDIVIDUAL RATS

Group III - Control - Males - Second Year

Animal No.	Weeks on Test 56	60	64	68	72	76	80	84	88	92	96	100	104
134344	841	**	-	-	-	-	-	-	-	-	-	-	-
134345	785	780	811	**	-	-	-	-	-	-	-	-	-
134346	-	-	-	-	-	-	-	-	-	-	-	-	-
134347	§	-	-	-	-	-	-	-	-	-	-	-	-
134348	-	-	-	-	-	-	-	-	-	-	-	-	-
134349	711	719	725	743	743	756	743	725	755	758	755	733	687
134350	788	806	825	830	820	848	853	838	870	871	873	872	**
134351	879	912	947	**	-	-	-	-	-	-	-	-	-
134352	§	-	-	-	-	-	-	-	-	-	-	-	-
134353	§	-	-	-	-	-	-	-	-	-	-	-	-
134354	848	863	899	949	972	940	980	948	**	-	-	-	-
134355	948	972	998	1017	1051	1088	1115	1110	1130	1144	1149	1075	δ
134356	-	-	-	-	-	-	-	-	-	-	-	-	-
134357	798	802	836	850	863	890	892	897	894	903	913	930	792
134358	780	806	840	862	873	875	911	928	945	964	986	995	923
134359	849	880	897	915	934	957	979	931	957	973	975	983	978
134360	847	862	875	884	907	932	965	955	993	968	992	996	936
134361	628	620	632	633	643	663	683	645	678	702	707	715	**
134362	1019	1016	1063	1070	1083	1096	1098	1034	1039	1018	1007	976	892
134363	681	672	693	710	718	725	733	702	736	750	750	750	744
134364	805	812	837	868	873	894	913	893	906	903	893	704	δ
134365	975	981	1004	1034	1030	1049	1051	1024	1044	1030	1021	990	1012
134366	750	764	773	788	794	814	821	811	791	800	775	740	702
134367	820	826	845	852	862	893	914	921	942	949	956	947	947
134368	955	971	965	1006	991	1011	1004	945	953	918	**	-	-
134369	722	730	730	771	746	766	745	715	738	742	692	642	460

APPENDIX I (24)

BODY WEIGHTS OF INDIVIDUAL RATS

Group III - Control - Males - Second Year

Animal No.	Weeks on Test 56	60	64	68	72	76	80	84	88	92	96	100	104
134370	829	849	875	894	902	920	939	**	-	-	-	-	-
134371	812	**	-	-	-	-	-	-	-	-	-	-	-
134372	718	**	-	-	-	-	-	-	-	-	-	-	-
134373	784	793	809	800	752	701	δ	-	-	-	-	-	-
134374	760	762	788	794	780	787	796	790	782	771	749	725	619
134375	734	745	757	773	781	775	792	788	804	822	832	833	797
134376	695	628	δ	-	-	-	-	-	-	-	-	-	-
134377	729	737	752	778	751	788	811	819	826	849	850	842	822
134378	785	800	822	834	826	869	869	858	**	-	-	-	-
134379	885	921	943	954	942	983	948	905	912	911	918	923	903
134380	747	746	756	776	779	812	816	833	832	850	844	869	892
134381	598	595	580	593	570	574	502	413	339	**	-	-	-
134382	§	-	-	-	-	-	-	-	-	-	-	-	-
134383	-	-	-	-	-	-	-	-	-	-	-	-	-
134384	§	-	-	-	-	-	-	-	-	-	-	-	-
134385	-	-	-	-	-	-	-	-	-	-	-	-	-
134386	§	-	-	-	-	-	-	-	-	-	-	-	-
134387	-	-	-	-	-	-	-	-	-	-	-	-	-
134388	811	804	822	837	860	871	896	886	883	875	889	894	892
134389	913	928	957	943	967	1001	1043	932	**	-	-	-	-
134390	743	742	760	742	751	760	782	781	793	802	773	743	630
134391	767	762	780	730	662	δ	-	-	-	-	-	-	-
134392	752	780	795	800	817	836	843	838	838	836	832	836	682
134393	-	-	-	-	-	-	-	-	-	-	-	-	-
Average	797	805	830	840	840	862	877	852	855	880	875	857	806

APPENDIX I (25)

BODY WEIGHTS OF INDIVIDUAL RATS

Group IV - Control - Females - First Year

Animal No.	Weeks on Test 0	1	2	3	4	5	6	7	8	9	10	11	12	13
134394	139	176	201	223	245	262	273	292	299	300	289	314	322	323
134395	129	172	192	211	229	245	259	269	281	278	320	293	294	302
134396	119	158	186	208	224	255	259	271	285	292	302	310	309	322
134397	127	166	188	211	232	252	264	276	293	292	304	327	324	321
134398	108	142	160	183	206	198	219	228	235	240	237	256	256	265
134399	114	144	162	184	200	206	220	225	242	243	248	259	266	266
134400	109	139	157	174	192	205	218	236	242	251	256	263	271	267
134401	108	137	160	188	204	223	235	246	255	276	277	288	293	286
134402	125	160	180	194	211	224	237	245	254	259	261	271	269	269
134403	123	169	195	212	219	235	248	258	273	269	285	295	295	286
134404	126	169	194	205	233	248	265	282	291	295	303	311	303	306
134405	131	166	196	212	235	238	257	271	288	292	290	297	298	293
134406	116	150	174	194	216	231	244	261	263	281	287	296	308	299
134407	126	159	183	204	228	245	256	276	278	298	300	302	311	306
134408	120	158	174	189	207	220	216	241	249	256	268	269	276	280
134409	131	172	188	209	225	234	247	252	273	280	274	289	296	295
134410	116	156	190	204	233	242	263	283	285	286	302	306	305	307
134411	114	156	189	208	234	243	258	275	287	293	298	306	307	314
134412	115	153	178	191	216	215	235	253	260	271	266	282	284	284
134413	108	145	170	181	204	219	232	240	261	271	276	278	293	290
134414	126	165	188	211	235	250	271	279	296	302	309	316	323	325
134415	130	169	199	216	242	248	266	285	296	304	316	321	334	334
134416	135	178	206	230	253	263	291	305	305	323	328	333	333	342
134417	126	164	196	223	253	256	273	277	278	302	301	296	323	341
134418	115	150	175	195	212	224	240	260	268	280	288	292	292	297
134419	119	162	189	208	231	247	268	281	289	300	307	305	308	313

APPENDIX I (26)

BODY WEIGHTS OF INDIVIDUAL RATS

Group IV - Control - Females - First Year

Animal No.	Weeks on Test 0	1	2	3	4	5	6	7	8	9	10	11	12	13
134420	106	131	149	160	182	200	207	219	228	234	243	246	250	252
134421	104	143	164	178	196	208	222	233	243	249	261	263	271	270
134422	107	153	174	194	217	231	240	257	268	277	277	284	287	286
134423	112	153	183	199	216	231	241	260	268	277	279	284	292	287
134424	116	153	179	200	207	227	242	254	273	278	294	293	308	311
134425	118	163	195	216	243	254	283	291	316	331	346	354	356	360
134426	111	148	159	185	208	222	242	243	264	270	283	292	289	303
134427	111	158	183	208	223	244	255	273	281	293	302	311	303	311
134428	106	146	170	184	210	221	236	241	258	266	*	*	*	*
134429	100	142	168	181	196	211	226	239	246	252	*	*	*	*
134430	119	164	189	216	228	250	263	269	280	281	*	*	*	*
134431	116	155	171	185	202	215	224	237	250	259	*	*	*	*
134432	95	135	166	188	207	220	231	248	256	272	*	*	**	-
134433	108	144	169	189	214	225	238	253	269	276	*	*	*	*
134434	95	135	166	183	202	217	233	246	257	268	*	*	*	*
134435	95	136	173	189	211	225	238	254	266	270	*	*	*	*
134436	83	109	134	152	168	186	196	208	221	226	*	*	*	*
134437	96	134	160	186	205	231	240	252	263	268	*	*	*	*
134438	98	140	172	193	211	228	245	257	267	272	*	*	*	*
134439	100	135	161	181	205	233	244	269	278	285	*	*	*	*
134440	93	134	164	182	206	226	239	254	268	273	*	*	*	*
134441	98	141	171	191	218	243	260	272	281	290	*	*	*	*
134442	85	124	156	175	196	215	232	238	252	265	*	*	*	*
134443	94	127	165	183	210	223	240	257	257	275	*	*	*	*
Average	112	151	176	195	216	230	245	258	269	277	293	294	298	300

APPENDIX I (27)

BODY WEIGHTS OF INDIVIDUAL RATS

Group IV - Control - Females - First Year

Animal No.	Weeks on Test 14	15	16	17	18	19	20	21	22	23	24	25	26	28
134394	325	331	342	349	353	358	359	365	369	366	377	377	386	382
134395	299	308	308	326	319	331	327	337	342	346	349	356	357	373
134396	323	335	340	350	352	358	363	383	388	379	394	393	399	402
134397	321	328	337	335	332	338	344	353	359	375	377	366	376	383
134398	264	266	272	284	268	273	281	297	305	306	318	306	322	326
134399	263	266	273	288	292	292	293	305	315	308	323	331	350	344
134400	277	281	292	304	298	308	311	314	324	325	335	353	348	347
134401	301	312	322	327	322	322	332	338	346	353	363	371	378	399
134402	279	277	281	298	303	303	299	297	296	294	297	296	302	315
134403	301	302	312	314	316	319	316	331	335	327	331	332	326	363
134404	311	306	312	304	328	328	322	322	320	320	327	324	325	351
134405	301	298	306	302	307	315	311	314	315	312	303	308	314	318
134406	313	323	348	343	349	357	351	358	367	366	385	398	423	430
134407	321	321	333	336	314	350	353	356	366	364	372	376	386	390
134408	273	288	289	292	307	304	314	323	323	327	327	336	348	362
134409	304	305	308	312	318	318	327	334	341	346	348	345	347	357
134410	317	325	331	331	338	347	346	345	356	354	358	**	-	-
134411	316	327	303	329	332	343	344	347	351	356	363	354	363	395
134412	287	288	310	304	312	308	308	323	332	337	342	345	341	350
134413	298	293	346	315	324	331	335	344	356	363	369	373	370	334
134414	334	340	352	352	348	357	355	373	377	378	377	393	408	406
134415	327	343	356	364	367	381	381	397	411	434	429	421	424	432
134416	340	343	335	360	372	377	378	391	412	404	402	406	403	430
134417	338	333	340	340	341	346	352	355	359	359	368	368	381	412
134418	304	308	327	315	318	328	325	328	336	335	338	**	-	-
134419	310	322	327	325	333	344	332	341	340	346	347	348	355	365

APPENDIX I (28)

BODY WEIGHTS OF INDIVIDUAL RATS

Group IV - Control - Females - First Year

Animal No.	Weeks on Test 14	15	16	17	18	19	20	21	22	23	24	25	26	28
134420	260	257	264	266	268	272	276	282	285	288	294	293	293	298
134421	284	283	294	297	299	308	313	323	318	322	319	324	336	338
134422	293	297	306	306	317	317	321	332	332	340	344	344	347	358
134423	301	306	311	317	321	312	313	326	321	324	327	325	326	337
134424	313	316	329	333	345	375	368	376	371	385	386	400	419	423
134425	358	373	386	393	404	411	414	425	424	433	440	445	461	455
134426	297	302	305	313	314	318	315	321	321	328	336	346	355	370
134427	308	319	327	331	338	351	345	368	365	369	373	369	380	392
134428	*	*	*	*	303	317	311	327	323	332	339	332	337	356
134429	*	*	*	*	283	298	301	313	314	315	322	321	330	340
134430	*	*	*	*	302	326	327	333	345	334	348	344	356	365
134431	*	*	*	*	300	292	307	308	321	316	321	328	325	336
134432	-	-	-	-	-	-	-	-	-	-	-	-	-	-
134433	*	*	*	*	321	335	335	336	345	344	347	346	320	358
134434	*	*	*	*	289	293	298	302	313	324	325	334	333	339
134435	*	*	*	*	289	303	305	312	318	319	323	324	331	335
134436	*	*	*	*	268	283	275	284	287	286	292	293	292	301
134437	*	*	*	*	313	324	323	335	341	344	350	339	360	368
134438	*	*	*	*	294	318	314	316	318	324	325	323	324	342
134439	*	*	*	*	296	319	321	338	340	340	338	348	356	380
134440	*	*	*	*	313	323	323	331	333	333	341	348	350	357
134441	*	*	*	*	321	341	351	355	365	367	371	369	379	386
134442	*	*	*	*	289	298	290	289	284	272	294	303	294	280
134443	*	*	*	*	306	319	324	327	342	344	346	355	351	359
Average	305	309	318	322	317	326	327	335	340	342	347	350	355	365

APPENDIX I (29)

BODY WEIGHTS OF INDIVIDUAL RATS

Group IV - Control - Females - First Year

Animal No.	Weeks on Test 30	32	34	36	38	40	42	44	46	48	50	52
134394	389	397	409	420	437	445	463	452	449	451	448	477
134395	382	384	388	393	405	416	428	431	441	450	446	437
134396	408	415	412	420	425	432	449	453	434	417	391	352
134397	383	396	400	409	423	441	458	477	498	515	515	522
134398	338	364	373	373	418	424	443	434	435	455	470	467
134399	345	341	348	353	363	374	387	402	410	419	426	412
134400	344	348	360	373	394	390	382	391	418	424	435	437
134401	393	426	423	434	442	465	487	495	518	527	530	502
134402	316	331	336	340	348	358	364	364	366	371	369	369
134403	348	347	349	360	370	380	388	390	404	405	403	398
134404	347	336	337	340	339	343	351	361	370	371	360	361
134405	323	327	336	334	319	δ	-	-	-	-	-	-
134406	451	449	483	511	520	537	556	571	583	597	574	601
134407	402	411	415	424	432	455	468	472	476	504		510
134408	361	360	370	385	396	410	425	438	452	462	458	468
134409	358	363	372	390	398	421	442	446	461	464	459	477
134410	-	-	-	-	-	-	-	-	-	-	-	-
134411	385	386	389	391	402	402	409	421	433	453	453	455
134412	354	367	377	402	425	439	458	480	476	501	496	512
134413	**	-	-	-	-	-	-	-	-	-	-	-
134414	408	430	442	456	464	469	488	492	503	504	507	492
134415	442	453	463	473	483	493	510	517	528	536	540	540
134416	434	440	453	460	473	482	513	530	548	570	558	523
134417	422	444	463	461	455	463	495	495	512	530	552	561
134418	-	-	-	-	-	-	-	-	-	-	-	-
134419	377	376	388	392	399	403	413	421	441	433	433	441

APPENDIX I (30)

BODY WEIGHTS OF INDIVIDUAL RATS

Group IV - Control - Females - First Year

Animal No.	Weeks on Test 30	32	34	36	38	40	42	44	46	48	50	52
134420	303	308	312	313	314	310	316	323	334	338	346	351
134421	343	347	354	380	378	381	387	397	406	410	407	408
134422	365	**	-	-	-	-	-	-	-	-	-	-
134423	333	321	331	346	359	376	385	393	400	412	414	425
134424	429	424	434	451	464	472	480	475	477	485	474	499
134425	462	480	498	512	526	544	571	579	594	610	580	580
134426	387	399	423	437	458	458	468	496	473	474	463	448
134427	404	414	418	433	433	433	450	462	477	476	485	442
134428	367	365	375	388	388	396	403	418	425	435	449	453
134429	353	353	359	374	377	378	388	396	402	408	407	416
134430	368	372	385	391	406	414	422	434	449	476	477	482
134431	339	331	341	348	363	371	383	388	395	406	414	426
134432	-	-	-	-	-	-	-	-	-	-	-	-
134433	378	386	398	398	408	416	423	441	456	466	465	475
134434	351	362	373	387	396	406	425	435	439	445	448	456
134435	342	342	342	341	347	363	368	373	376	384	383	391
134436	302	308	313	318	320	324	333	341	353	360	362	357
134437	368	374	372	380	373	364	368	378	385	389	382	375
134438	332	334	333	329	331	340	342	348	357	372	374	365
134439	388	381	412	402	401	399	407	412	428	455	461	457
134440	351	361	371	379	394	404	411	421	426	433	440	451
134441	397	401	412	425	433	435	452	465	482	490	490	488
134442	298	293	302	297	298	284	298	281	296	301	300	292
134443	265	358	382	399	409	409	414	416	424	431	445	452
Average	368	376	385	394	402	412	424	432	441	450	459	460

APPENDIX I (31)

BODY WEIGHTS OF INDIVIDUAL RATS

Group IV - Control - Females - Second Year

Animal No.	Weeks on Test 56	60	64	68	72	76	80	84	88	92	96	100	104
134394	§	-	-	-	-	-	-	-	-	-	-	-	-
134395	§	-	-	-	-	-	-	-	-	-	-	-	-
134396	**	-	-	-	-	-	-	-	-	-	-	-	-
134397	524	507	532	552	579	600	612	602	625	601	620	628	620
134398	499	531	560	561	571	793	611	δ	-	-	-	-	-
134399	419	435	438	469	475	478	497	517	540	561	548	δ	-
134400	453	477	500	502	505	522	527	535	537	552	546	538	492
134401	508	531	575	618	630	667	667	681	682	685	704	607	**
134402	373	379	377	394	407	404	414	418	422	428	432	457	475
134403	413	422	432	445	454	452	463	467	474	493	502	503	487
134404	372	388	393	402	414	421	427	436	430	431	435	424	417
134405	-	-	-	-	-	-	-	-	-	-	-	-	-
134406	§	-	-	-	-	-	-	-	-	-	-	-	-
134407	§	-	-	-	-	-	-	-	-	-	-	-	-
134408	474	493	510	542	544	539	525	550	542	δ	-	-	-
134409	511	526	558	583	603	624	642	634	522	408	δ	-	-
134410	-	-	-	-	-	-	-	-	-	-	-	-	-
134411	471	530	575	588	586	602	622	591	596	597	602	621	631
134412	534	489	506	526	549	546	573	645	665	671	**	-	-
134413	-	-	-	-	-	-	-	-	-	-	-	-	-
134414	512	532	557	576	576	598	611	623	630	668	683	671	660
134415	562	558	584	582	574	598	582	584	592	552	491	562	599
134416	§	-	-	-	-	-	-	-	-	-	-	-	-
134417	§	-	-	-	-	-	-	-	-	-	-	-	-
134418	-	-	-	-	-	-	-	-	-	-	-	-	-
134419	473	484	503	514	522	471	489	496	473	431	411	414	417

APPENDIX I (32)

BODY WEIGHTS OF INDIVIDUAL RATS

Group IV - Control - Females - Second Year

Animal No.	Weeks on Test 56	60	64	68	72	76	80	84	88	92	96	100	104
134420	358	346	358	374	379	386	401	414	428	452	473	468	484
134421	430	429	458	458	477	478	507	535	522	568	584	605	624
134422	-	-	-	-	-	-	-	-	-	-	-	-	-
134423	443	449	463	472	498	503	517	533	553	554	572	597	587
134424	521	512	543	566	570	561	568	604	618	603	δ	-	-
134425	597	628	674	640	626	591	633	658	675	674	618	599	575
134426	465	683	500	521	534	556	582	612	633	672	δ	-	-
134427	**	-	-	-	-	-	-	-	-	-	-	-	-
134428	471	466	482	486	517	520	538	559	570	572	561	585	δ
134429	432	448	463	471	486	493	515	530	543	557	566	504	**
134430	512	541	562	578	573	378	571	563	535	514	503	491	487
134431	438	448	443	464	477	484	509	515	519	511	523	510	550
134432	-	-	-	-	-	-	-	-	-	-	-	-	-
134433	509	522	549	544	580	611	621	652	652	672	680	700	738
134434	471	485	506	504	516	520	529	502	501	491	497	483	480
134435	402	415	443	457	475	472	464	**	-	-	-	-	-
134436	382	402	404	412	421	441	448	468	492	508	514	521	498
134437	407	410	418	451	475	462	470	458	465	500	498	525	540
134438	407	457	476	489	503	521	525	539	533	547	569	581	580
134439	454	488	503	532	543	553	571	590	589	596	597	570	414
134440	466	487	510	513	520	530	539	519	509	510	512	505	521
134441	541	541	563	579	584	589	578	582	585	607	624	630	638
134442	301	298	296	291	285	298	297	297	296	288	300	298	312
134443	478	496	524	538	572	567	582	609	598	623	648	663	632
Average	461	473	493	505	514	523	534	545	545	548	545	545	538

APPENDIX I (33)

BODY WEIGHTS OF INDIVIDUAL RATS

Group V - Low Level Freon® 12 - Males - First Year

Animal No.	Weeks on Test 0	1	2	3	4	5	6	7	8	9	10	11	12	13
134444	136	191	251	293	332	360	395	409	417	448	460	473	474	498
134445	136	187	245	293	339	380	409	438	456	474	493	503	512	519
134446	90	124	166	209	260	309	350	388	415	440	464	440	514	538
134447	136	192	248	294	331	370	407	441	453	178	195	513	527	543
134448	145	201	253	296	340	376	412	438	452	473	489	504	516	530
134449	136	191	246	279	321	353	378	400	408	432	440	451	465	472
134450	149	198	261	317	373	416	458	491	512	544	577	597	620	626
134451	144	199	261	314	373	420	458	487	512	532	563	588	605	613
134452	155	219	380	336	386	440	474	507	525	551	571	593	605	616
134453	141	187	248	305	360	402	442	468	503	523	553	564	586	598
134454	136	185	231	274	314	352	379	405	421	436	453	464	481	479
134455	149	204	260	311	361	403	432	453	475	497	520	536	546	550
134456	143	196	248	298	339	380	408	432	446	473	498	508	522	528
134457	137	191	242	290	326	372	402	424	443	460	492	502	516	526
134458	136	180	226	265	302	331	365	393	413	434	444	460	473	467
134459	125	172	213	252	297	336	365	390	402	423	434	447	462	457
134460	116	161	206	251	291	328	362	397	414	444	461	472	491	510
134461	124	174	225	268	309	336	369	386	404	419	436	455	464	474
134462	115	151	194	230	278	315	350	373	386	414	426	448	468	478
134463	121	168	219	261	301	335	358	381	395	411	422	438	444	457
134464	109	150	198	236	279	314	339	368	379	397	404	415	417	420
134465	119	163	208	266	319	370	405	442	468	496	516	527	543	547
134466	124	157	187	222	274	315	358	386	403	425	445	471	485	492
134467	132	192	251	307	361	410	446	482	502	516	541	556	575	571
134468	127	174	231	289	306	387	429	451	475	500	518	543	552	566
134469	128	190	244	300	348	381	415	438	457	479	495	506	513	520

APPENDIX I (34)

BODY WEIGHTS OF INDIVIDUAL RATS

Group V - Low Level Freon® 12 - Males - First Year

Animal No.	Weeks on Test 0	1	2	3	4	5	6	7	8	9	10	11	12	13
134470	122	169	221	267	316	356	391	418	438	459	481	494	508	512
134471	123	165	223	270	313	356	396	428	455	483	508	523	537	553
134472	120	176	234	286	340	378	413	453	471	498	522	532	547	550
134473	113	163	215	258	313	351	380	415	437	460	481	496	507	514
134474	107	155	200	249	302	345	385	411	433	452	472	486	503	514
134475	118	168	220	270	321	369	406	442	467	484	505	517	537	542
134476	101	146	190	236	286	332	374	406	429	453	477	493	514	532
134477	101	139	190	246	318	369	411	447	475	499	515	532	554	467
134478	124	180	232	286	336	381	415	443	464	486	*	*	*	534
134479	113	168	223	272	327	373	401	432	453	474	*	*	*	530
134480	122	171	229	280	336	377	415	449	472	497	*	*	*	560
134481	116	168	218	273	328	370	409	452	478	506	*	*	*	546
134482	120	173	233	286	336	368	410	453	474	504	*	*	*	556
134483	102	154	205	248	302	318	359	393	423	452	*	*	*	514
134484	119	175	230	280	331	368	392	416	433	457	*	*	*	512
134485	126	186	240	283	331	374	394	430	442	462	*	*	*	518
134486	119	164	224	270	312	328	361	391	409	430	*	*	*	472
134487	122	168	226	271	312	326	370	402	421	444	*	*	*	486
134488	110	158	211	258	314	341	385	427	455	477	*	*	*	551
134489	110	156	207	257	312	346	385	419	437	469	*	*	*	517
134490	100	150	203	243	287	309	338	366	386	404	*	*	*	445
134491	102	146	200	247	294	317	349	372	389	408	*	*	*	428
134492	108	161	208	248	299	319	353	375	392	411	*	*	*	458
134493	100	149	207	253	307	308	316	309	293	362	*	*	*	417
Average	122	172	225	272	320	357	391	420	439	463	487	501	517	518

APPENDIX I (35)

BODY WEIGHTS OF INDIVIDUAL RATS

Group V - Low Level Freon® 12 - Males - First Year

Animal No.	Weeks on Test 14	15	16	17	18	19	20	21	22	23	24	25	26	28
134444	502	511	522	545	558	565	572	573	592	595	591	606	603	620
134445	510	514	529	532	540	555	559	566	579	581	584	588	591	603
134446	544	552	548	557	575	589	596	612	621	627	643	652	668	693
134447	542	552	558	561	569	579	587	598	606	607	617	619	612	622
134448	539	549	546	552	556	562	555	570	573	578	587	588	599	604
134449	473	472	477	488	488	510	512	522	523	518	524	525	534	547
134450	645	653	662	663	679	702	715	727	746	752	761	773	788	811
134451	633	643	653	667	675	700	703	712	726	733	750	765	725	768
134452	634	643	657	667	685	700	709	726	738	758	769	780	780	810
134453	617	627	641	646	654	635	643	669	680	690	694	712	717	740
134454	478	482	493	500	512	520	520	531	535	540	537	538	539	543
134455	555	562	578	594	611	621	623	634	650	651	662	665	678	692
134456	543	546	553	563	569	570	566	572	582	587	606	617	630	640
134457	527	527	510	528	540	559	580	553	571	566	578	591	600	623
134458	483	492	507	510	521	532	538	554	462	561	569	581	584	533
134459	471	485	494	501	510	521	526	535	543	552	550	552	558	564
134460	511	518	532	537	547	553	566	574	584	592	588	594	596	610
134461	478	490	501	500	502	509	514	522	533	534	543	539	542	552
134462	490	497	506	503	515	515	520	533	535	543	553	568	585	542
134463	458	466	471	471	468	488	493	504	510	512	514	526	537	547
134464	424	435	438	442	446	458	460	464	472	476	481	488	496	498
134465	564	570	580	585	607	616	592	622	641	645	657	659	670	679
134466	498	507	524	542	549	563	572	575	583	584	593	598	603	620
134467	570	576	583	593	606	615	626	640	657	661	671	676	677	686
134468	575	585	592	598	605	614	621	632	642	652	671	680	684	702
134469	534	536	545	547	557	569	783	606	620	624	636	636	627	572

APPENDIX I (36)

BODY WEIGHTS OF INDIVIDUAL RATS

Group V - Low Level Freon® 12 - Males - First Year

Animal No.	Weeks on Test 14	15	16	17	18	19	20	21	22	23	24	25	26	28
134470	516	527	533	534	535	548	552	563	579	574	584	597	604	628
134471	570	582	597	607	617	635	644	658	672	683	706	712	722	741
134472	556	565	578	584	593	605	616	627	627	633	638	644	654	658
134473	526	539	540	547	556	563	567	583	598	598	595	595	621	623
134474	528	532	532	535	538	552	551	552	563	561	566	579	588	603
134475	557	570	578	584	590	605	607	619	638	632	645	648	655	658
134476	542	546	556	566	575	580	582	593	606	604	621	622	617	641
134477	578	581	585	593	604	613	617	627	637	645	653	657	671	683
134478	540	553	571	584	597	611	620	633	641	638	631	636	645	662
134479	543	542	556	566	581	593	601	611	624	528	536	570	586	629
134480	587	594	614	616	636	655	658	670	683	692	695	701	712	726
134481	562	583	590	597	607	620	631	635	654	658	671	683	696	715
134482	573	593	596	617	628	637	643	613	627	631	652	667	673	611
134483	525	552	555	555	568	579	586	600	609	614	618	630	636	646
134484	527	547	561	578	594	600	616	625	637	645	654	656	658	672
134485	525	542	543	552	562	566	562	572	582	583	587	592	597	603
134486	482	493	506	511	525	530	527	543	561	566	571	577	588	603
134487	493	510	517	523	535	545	543	546	555	562	565	563	575	583
134488	567	587	602	603	621	635	645	659	668	668	685	682	690	703
134489	530	547	554	562	574	593	605	617	632	639	696	654	656	667
134490	462	474	477	479	482	494	502	516	528	528	**	-	-	-
134491	435	452	455	458	473	480	488	493	501	495	493	493	491	508
134492	464	473	484	489	505	509	513	522	519	522	530	530	546	551
134493	387	437	411	375	420	432	433	470	465	486	482	457	493	491
Average	527	538	546	552	563	574	579	589	600	602	612	618	624	633

APPENDIX I (37)

BODY WEIGHTS OF INDIVIDUAL RATS

Group V - Low Level Freon® 12 - Males - First Year

Animal No.	Weeks on Test 30	32	34	36	38	40	42	44	46	48	50	52
134444	622	636	652	668	689	702	709	719	733	755	760	767
134445	618	624	650	660	667	682	701	712	727	732	732	735
134446	702	718	747	765	773	786	808	814	826	829	842	862
134447	640	658	668	672	684	689	699	702	712	657	668	691
134448	611	625	626	627	631	632	638	645	645	645	631	633
134449	555	562	582	587	606	608	631	643	649	646	646	667
134450	835	822	837	859	883	888	925	940	957	962	969	964
134451	**	-	-	-	-	-	-	-	-	-	-	-
134452	815	847	879	896	905	924	948	960	962	829	674	535
134453	725	750	764	771	788	805	823	826	838	741	731	760
134454	557	566	582	591	592	607	622	628	632	628	634	638
134455	705	720	737	748	722	738	765	783	796	798	806	810
134456	652	659	685	696	696	712	720	728	741	750	750	754
134457	649	672	674	693	670	689	708	715	728	732	736	740
134458	572	600	623	637	649	660	668	682	691	694	701	711
134459	580	587	596	610	618	628	641	647	654	658	660	670
134460	614	623	632	639	653	668	655	673	688	700	703	706
134461	567	572	590	594	597	612	617	620	625	623	631	636
134462	555	596	637	664	674	682	705	721	733	733	736	742
134463	568	573	596	598	612	624	632	648	657	654	662	662
134464	493	505	519	523	530	475	507	530	533	538	552	560
134465	695	716	732	738	746	770	789	803	818	832	834	848
134466	632	651	664	667	704	732	750	763	769	781	789	803
134467	705	722	739	736	738	752	765	766	771	780	781	784
134468	721	736	754	758	762	770	795	796	811	817	806	817
134469	583	624	654	668	678	692	713	723	733	736	746	743

APPENDIX I (38)

BODY WEIGHTS OF INDIVIDUAL RATS

Group V - Low Level Freon® 12 - Males - First Year

Animal No.	Weeks on Test 30	32	34	36	38	40	42	44	46	48	50	52
134470	641	658	683	687	702	713	726	754	744	754	763	772
134471	760	777	804	810	828	845	858	879	888	896	892	905
134472	685	698	716	719	734	749	765	776	790	800	788	802
134473	649	662	651	667	682	707	713	734	744	751	752	764
134474	608	624	637	652	662	678	700	702	715	722	702	710
134475	665	682	695	703	713	715	729	750	752	753	753	751
134476	645	658	672	685	689	703	722	731	737	747	744	757
134477	690	712	718	742	744	762	785	793	802	812	812	830
134478	679	693	**	-	-	-	-	-	-	-	-	-
134479	661	672	675	695	702	721	731	731	739	731	673	700
134480	754	774	793	822	833	854	875	884	908	871	856	881
134481	730	753	762	793	800	822	841	850	868	867	867	890
134482	642	669	701	720	742	765	785	799	820	820	822	840
134483	625	644	669	692	690	713	740	751	758	743	756	772
134484	693	710	712	738	743	755	759	770	761	761	755	761
134485	607	607	612	625	636	637	659	645	650	661	651	648
134486	608	634	645	664	671	687	692	702	706	706	708	729
134487	592	597	610	618	618	632	635	643	652	621	641	661
134488	704	726	731	740	740	748	761	765	782	799	799	810
134489	673	691	697	711	680	695	707	721	723	731	720	739
134490	-	-	-	-	-	-	-	-	-	-	-	-
134491	503	522	523	533	536	543	555	588	569	573	567	573
134492	560	573	572	582	584	592	597	598	602	598	592	594
134493	500	502	504	526	543	470	541	556	497	537	532	552
Average	642	658	672	685	692	703	719	729	737	734	729	738

APPENDIX I (39)

BODY WEIGHTS OF INDIVIDUAL RATS

Group V - Low Level Freon® 12 - Males - Second Year

Animal No.	Weeks on Test												
	56	60	64	68	72	76	80	84	88	92	96	100	104
134444	793	790	811	820	713	781	756	661	§	-	-	-	-
134445	749	748	783	802	794	798	812	816	793	764	750	750	§
134446	887	863	885	888	880	893	921	950	960	950	970	950	837
134447	712	715	732	719	713	740	745	767	772	780	795	818	730
134448	645	648	650	653	647	648	682	694	691	692	693	698	696
134449	688	694	715	722	729	751	762	779	777	784	793	802	793
134450	δ	-	-	-	-	-	-	-	-	-	-	-	-
134451	-	-	-	-	-	-	-	-	-	-	-	-	-
134452	δ	-	-	-	-	-	-	-	-	-	-	-	-
134453	δ	-	-	-	-	-	-	-	-	-	-	-	-
134454	648	665	672	682	689	699	710	732	744	750	754	772	776
134455	851	862	881	904	931	946	963	1000	1019	1041	1064	1075	1062
134456	786	780	800	821	846	854	865	884	885	920	939	968	978
134457	757	730	765	780	783	804	822	826	821	817	802	814	**
134458	737	745	765	783	792	808	831	843	844	837	827	833	830
134459	689	693	703	717	731	740	755	762	758	756	753	761	749
134460	722	723	712	720	726	729	758	762	767	778	780	792	792
134461	651	656	675	679	679	685	709	735	735	744	748	754	757
134462	770	779	792	807	819	814	835	851	851	856	867	856	853
134463	689	702	710	716	722	743	758	771	767	779	789	791	802
134464	574	587	600	613	616	631	656	651	660	672	673	680	687
134465	885	911	935	956	942	960	969	995	1009	1015	1036	1064	1084
134466	830	846	873	889	905	898	931	967	970	957	950	966	959
134467	809	822	830	844	854	844	863	887	883	883	876	870	869
134468	842	846	879	885	883	903	916	932	923	912	898	889	820
134469	755	730	741	793	735	733	732	734	702	657	572	§	-

APPENDIX I (40)

BODY WEIGHTS OF INDIVIDUAL RATS

Group V - Low Level Freon® 12 - Males - Second Year

Animal No.	Weeks on Test 56	60	64	68	72	76	80	84	88	92	96	100	104
134470	785	797	810	829	820	821	789	753	681	645	**	-	-
134471	937	961	980	1010	1014	1044	1059	1083	1085	1078	1065	1026	963
134472	825	847	859	877	877	897	928	944	945	975	986	997	990
134473	789	803	833	837	831	874	910	932	936	942	963	980	1010
134474	740	734	760	766	773	788	808	835	841	854	863	869	867
134475	787	790	807	830	833	851	863	878	879	882	891	901	898
134476	785	806	814	829	842	872	857	895	912	936	936	958	972
134477	855	866	898	902	908	928	964	982	983	1008	998	982	849
134478	-	-	-	-	-	-	-	-	-	-	-	-	-
134479	δ	-	-	-	-	-	-	-	-	-	-	-	-
134480	923	936	945	982	1016	986	1045	1083	1098	1099	1101	1146	1120
134481	932	949	985	1005	1039	1032	1068	1104	1111	1097	1098	1128	1145
134482	865	880	908	931	943	954	987	1012	1024	1029	1046	1061	1082
134483	795	821	842	858	881	880	911	932	946	953	970	988	981
134484	786	791	780	775	776	757	717	634	432	**	-	-	-
134485	648	634	640	586	§	-	-	-	-	-	-	-	-
134486	731	731	750	758	709	700	**	-	-	-	-	-	-
134487	675	651	674	696	672	693	627	629	612	622	610	605	§
134488	822	866	875	893	857	872	894	925	911	915	924	945	939
134489	742	752	737	695	§	-	-	-	-	-	-	-	-
134490	-	-	-	-	-	-	-	-	-	-	-	-	-
134491	599	568	590	597	597	605	619	622	626	629	629	629	608
134492	δ	-	-	-	-	-	-	-	-	-	-	-	-
134493	δ	-	-	-	-	-	-	-	-	-	-	-	-
Average	768	774	790	801	810	819	836	848	847	861	869	886	887

APPENDIX I (41)

BODY WEIGHTS OF INDIVIDUAL RATS

Group VI - Low Level Freon® 12 - Females - First Year

Animal No.	Weeks on Test 0	1	2	3	4	5	6	7	8	9	10	11	12	13
134494	110	137	162	171	195	205	215	222	233	238	243	250	246	249
134495	119	150	174	186	212	207	221	232	239	247	253	259	269	263
134496	120	148	171	186	212	219	240	253	260	263	282	288	287	292
134497	123	150	173	192	223	244	266	278	288	307	315	330	335	331
134498	143	181	209	221	247	268	287	307	313	338	347	359	366	370
134499	130	153	186	207	238	248	275	286	293	316	326	348	351	357
134500	131	163	187	199	220	225	238	252	254	264	262	273	278	272
134501	128	157	184	193	223	223	247	258	267	278	278	293	291	290
134502	111	140	152	180	196	219	223	241	250	261	269	262	276	270
134503	122	155	173	191	205	220	236	235	247	262	258	273	277	268
134504	123	152	161	176	198	210	224	226	241	253	244	255	260	253
134505	118	143	166	181	196	212	228	235	244	251	261	269	268	267
134506	114	133	149	160	177	184	194	205	211	219	226	229	233	237
134507	101	127	146	158	184	184	197	206	211	220	224	225	226	233
134508	99	128	149	161	175	178	198	207	211	217	227	236	242	236
134509	102	131	159	177	199	210	233	241	252	258	265	269	275	275
134510	100	128	151	162	183	201	217	227	230	234	241	263	265	260
134511	96	118	136	147	164	183	192	206	208	217	232	232	234	231
134512	116	146	165	179	199	210	225	235	241	251	255	262	258	264
134513	108	145	163	181	203	210	231	243	242	253	265	269	271	270
134514	125	153	168	179	189	206	216	232	236	244	260	268	264	265
134515	106	130	149	164	184	200	216	239	239	250	258	265	264	268
134516	103	139	161	182	190	207	220	234	243	257	263	273	277	278
134517	100	139	171	190	214	245	257	273	281	288	298	302	320	320
134518	91	123	157	172	198	205	227	236	246	258	267	275	278	282
134519	93	123	141	164	181	194	210	227	236	251	259	284	285	283

APPENDIX I (42)

BODY WEIGHTS OF INDIVIDUAL RATS

Group VI - Low Level Freon® 12 - Females - First Year

Animal No.	Weeks on Test 0	1	2	3	4	5	6	7	8	9	10	11	12	13
134520	100	138	164	184	192	217	231	243	257	255	271	278	277	276
134521	94	135	161	176	203	209	235	236	260	263	279	276	285	277
134522	98	140	160	178	198	212	234	233	256	260	273	283	289	291
134523	103	141	170	190	213	233	247	268	268	284	290	296	302	296
134524	101	142	170	183	195	220	230	244	254	259	271	274	278	274
134525	101	141	170	181	198	216	229	234	249	259	262	263	272	274
134526	99	139	175	186	214	224	235	243	250	257	264	272	276	271
134527	112	161	197	219	245	269	287	288	306	304	318	325	323	329
134528	112	155	186	204	228	247	261	277	278	291	*	*	*	*
134529	107	142	174	198	221	229	247	256	266	267	*	*	*	*
134530	101	142	175	195	221	235	248	259	269	278	*	*	*	*
134531	103	145	179	200	224	238	255	262	277	287	*	*	*	*
134532	112	155	181	211	242	292	293	302	325	346	*	*	*	*
134533	95	128	162	172	200	229	245	258	267	282	*	*	*	*
134534	97	144	177	188	217	231	259	256	267	276	*	*	*	*
134535	103	148	173	192	206	224	235	247	258	256	*	*	*	*
134536	91	129	161	178	192	213	218	229	236	241	*	*	*	*
134537	90	127	148	166	188	202	215	218	228	233	*	*	*	*
134538	84	114	140	155	178	198	208	227	232	239	*	*	*	*
134539	81	115	149	164	183	201	218	232	240	240	*	*	*	*
134540	86	123	153	161	179	196	205	221	227	236	*	*	*	*
134541	82	120	154	171	190	205	219	230	242	247	*	*	*	*
134542	93	138	171	183	209	227	241	256	269	273	*	*	*	*
134543	87	127	160	169	196	215	219	240	253	262	*	*	*	*
Average	105	140	165	181	203	218	233	244	253	262	268	276	279	278

APPENDIX I (43)

BODY WEIGHTS OF INDIVIDUAL RATS

Group VI - Low Level Freon® 12 - Females - First Year

Animal No.	Weeks on Test 14	15	16	17	18	19	20	21	22	23	24	25	26	28
134494	250	254	263	275	268	277	273	280	280	278	281	284	281	281
134495	264	272	275	287	278	293	295	303	303	304	305	310	313	312
134496	288	303	305	32	319	323	332	333	337	346	361	367	368	373
134497	353	360	376	369	382	396	393	412	424	420	434	438	437	459
134498	379	390	402	427	428	444	455	468	493	493	508	512	513	542
134499	369	374	383	405	402	418	419	436	452	455	477	481	475	492
134500	275	273	276	290	279	302	311	311	305	315	316	309	325	332
134501	292	298	293	312	308	321	328	330	339	341	341	356	347	333
134502	270	283	281	289	293	297	287	300	305	302	314	313	321	315
134503	278	280	287	291	298	298	295	308	302	306	313	325	322	332
134504	265	263	275	281	287	287	292	300	308	291	307	305	308	306
134505	277	278	289	294	294	302	299	310	309	315	324	336	344	337
134506	239	246	248	249	255	259	261	257	256	256	255	262	264	263
134507	231	231	231	240	243	247	251	252	251	246	255	255	254	251
134508	241	250	252	252	253	258	255	264	263	264	267	266	273	276
134509	286	292	297	296	301	340	316	325	331	340	348	354	364	371
134510	264	265	271	275	284	283	283	293	308	310	309	328	327	338
134511	236	241	257	260	269	267	275	281	284	285	288	298	292	303
134512	265	278	276	277	283	283	285	294	296	294	296	298	311	316
134513	275	284	289	293	299	299	299	307	318	314	321	324	332	337
134514	276	281	302	315	318	323	324	316	316	320	325	327	333	345
134515	276	274	280	282	283	289	289	296	302	295	304	301	302	306
134516	278	290	289	297	298	313	307	315	321	313	327	323	324	324
134517	323	336	334	314	363	373	373	371	374	372	379	385	392	406
134518	288	296	303	306	312	316	319	330	335	338	346	350	355	377
134519	291	296	293	300	282	307	315	338	330	326	330	325	330	350

APPENDIX I (44)

BODY WEIGHTS OF INDIVIDUAL RATS

Group VI - Low Level Freon® 12 - Females - First Year

Animal No.	Weeks on Test 14	15	16	17	18	19	20	21	22	23	24	25	26	28
134520	271	288	298	301	311	328	315	329	327	321	336	324	332	336
134521	292	287	301	302	305	303	303	307	310	309	313	314	312	321
134522	296	298	311	308	315	314	381	321	322	331	330	331	343	377
134523	301	315	318	321	324	327	324	328	337	343	354	359	357	366
134524	281	287	290	292	298	304	304	307	310	312	312	317	315	323
134525	271	266	272	285	289	292	292	296	294	293	293	293	292	306
134526	275	273	273	284	290	289	300	301	297	295	298	302	300	306
134527	316	324	332	329	334	337	338	340	344	344	349	346	344	352
134528	*	*	*	*	323	333	337	343	350	361	365	379	387	409
134529	*	*	*	*	307	327	327	326	326	327	343	340	338	338
134530	*	*	*	*	308	324	330	333	356	356	364	353	357	384
134531	*	*	*	*	328	319	342	361	364	373	389	396	398	423
134532	*	*	*	*	412	429	446	471	473	477	489	504	497	510
134533	*	*	*	*	286	302	311	327	331	325	336	352	339	346
134534	*	*	*	*	327	342	344	352	373	388	398	412	410	435
134535	*	*	*	*	306	292	297	303	306	308	309	311	315	321
134536	*	*	*	*	278	283	285	291	298	296	302	301	303	304
134537	*	*	*	*	263	280	275	282	261	271	273	273	281	281
134538	*	*	*	*	288	88	292	303	304	311	313	319	318	325
134539	*	*	*	*	288	306	296	301	305	301	305	313	312	312
134540	*	*	*	*	276	282	284	294	303	306	310	310	313	316
134541	*	*	*	*	298	304	307	311	316	313	322	324	319	324
134542	*	*	*	*	327	344	347	359	364	372	384	389	394	407
134543	*	*	*	*	318	318	328	338	341	336	352	370	396	392
Average	283	289	295	300	306	314	315	323	327	328	335	339	342	350

APPENDIX I (45)

BODY WEIGHTS OF INDIVIDUAL RATS

Group VI - Low Level Freon® 12 - Females - First Year

Animal No.	Weeks on Test 30	32	34	36	38	40	42	44	46	48	50	52
134494	283	290	293	303	298	300	304	312	316	320	321	313
134495	322	330	335	345	356	365	373	390	398	407	409	416
134496	382	393	406	413	419	428	433	448	461	472	482	484
134497	469	485	495	511	508	507	522	547	565	571	581	588
134498	562	573	580	577	590	591	614	630	662	668	695	680
134499	506	516	538	583	588	623	619	654	680	685	580	600
134500	342	338	362	349	349	350	369	374	388	413	432	432
134501	339	362	371	386	402	409	429	440	453	453	461	452
134502	328	332	340	346	340	346	358	370	382	387	391	386
134503	342	334	336	352	364	369	382	391	404	414	415	436
134504	312	325	331	344	360	373	368	362	366	386	372	385
134505	341	344	358	366	374	381	397	402	405	411	412	397
134506	273	280	281	288	291	297	303	305	314	319	327	323
134507	253	261	265	271	277	285	294	301	307	315	315	321
134508	282	298	299	290	296	298	298	304	311	318	318	323
134509	382	386	394	407	418	429	439	446	465	480	771	475
134510	341	334	360	358	356	369	393	409	415	415	438	433
134511	308	314	327	327	329	335	344	353	355	370	375	369
134512	313	318	322	322	322	326	328	335	338	341	341	331
134513	345	358	362	369	371	378	385	396	402	410	416	411
134514	340	346	361	351	343	348	358	379	388	400	412	402
134515	307	299	307	307	307	313	315	318	324	331	324	327
134516	315	326	330	344	348	364	374	380	390	397	397	412
134517	405	420	444	462	470	480	492	497	504	515	523	526
134518	392	399	415	425	435	435	447	459	460	478	485	490
134519	367	368	388	401	399	425	435	442	458	470	464	464

APPENDIX I (46)

BODY WEIGHTS OF INDIVIDUAL RATS

Group VI - Low Level Freon® 12 - Females - First Year

Animal No.	Weeks on Test 30	32	34	36	38	40	42	44	46	48	50	52
134520	348	378	386	377	391	406	418	434	448	459	456	468
134521	326	334	338	350	358	358	371	380	386	396	389	392
134522	368	360	377	396	391	388	392	402	415	418	402	401
134523	391	402	412	429	438	446	468	483	487	502	493	490
134524	327	326	340	349	349	338	352	361	367	367	368	389
134525	317	328	322	321	329	329	328	326	335	335	336	356
134526	308	309	312	315	317	319	318	327	332	337	338	343
134527	357	359	368	376	382	373	382	393	393	398	398	404
134528	406	394	401	409	423	432	437	445	453	458	453	455
134529	344	341	347	353	358	354	358	370	378	379	376	378
134530	395	390	420	417	418	420	425	431	442	449	447	454
134531	433	452	461	469	490	500	505	532	536	542	538	542
134532	531	554	552	570	570	570	589	599	616	630	622	636
134533	363	381	377	393	389	389	403	420	431	438	403	423
134534	447	466	478	497	515	526	540	552	564	574	582	599
134535	327	327	334	340	348	351	362	367	368	366	373	382
134536	308	312	316	326	330	327	347	340	342	347	343	345
134537	294	292	292	302	302	302	307	307	310	309	312	312
134538	327	332	339	344	349	356	360	366	375	384	376	377
134539	313	311	312	315	317	321	326	326	328	313	309	314
134540	323	329	335	348	353	347	353	355	360	366	353	358
134541	337	348	358	370	376	376	383	390	395	405	405	413
134542	418	437	434	455	479	492	509	521	527	534	538	544
134543	377	383	415	455	442	431	468	460	498	521	528	542
Average	357	364	372	381	386	392	401	411	420	427	426	430

APPENDIX I (47)

BODY WEIGHTS OF INDIVIDUAL RATS

Group VI - Low Level Freon® 12 - Females - Second Year

Animal No.	Weeks on Test 56	60	64	68	72	76	80	84	88	92	96	100	104
134494	318	322	338	344	347	358	δ	-	-	-	-	-	-
134495	416	426	460	465	412	501	507	513	522	520	§	-	-
134496	**	-	-	-	-	-	-	-	-	-	-	-	-
134497	**	-	-	-	-	-	-	-	-	-	-	-	-
134498	**	-	-	-	-	-	-	-	-	-	-	-	-
134499	**	-	-	-	-	-	-	-	-	-	-	-	-
134500	443	480	498	526	547	581	597	612	633	494	δ	-	-
134501	443	426	523	533	528	456	δ	-	-	-	-	-	-
134502	406	417	429	450	444	460	473	488	462	465	485	486	486
134503	487	512	509	510	543	560	563	δ	-	-	-	-	-
134504	404	427	448	476	491	515	523	525	525	556	568	562	562
134505	411	428	453	474	485	481	502	503	533	562	578	551	582
134506	348	364	378	387	404	411	420	441	443	442	436	420	**
134507	332	355	356	374	386	406	418	435	441	458	459	462	413
134508	333	345	376	371	386	403	431	462	δ	-	-	-	-
134509	492	515	525	532	531	558	579	616	570	δ	-	-	-
134510	467	497	δ	-	-	-	-	-	-	-	-	-	-
134511	389	416	444	446	475	481	478	505	505	501	512	530	535
134512	343	353	361	370	375	391	384	378	353	308	§	-	-
134513	424	431	448	456	481	490	472	476	478	482	486	478	500
134514	417	414	442	456	472	488	520	520	504	514	516	522	512
134515	332	340	347	352	365	369	381	372	3 8	373	373	384	383
134516	424	426	429	465	477	498	518	542	549	499	§	-	-
134517	547	568	590	608	638	656	662	672	678	707	691	677	677
134518	509	524	539	563	583	517	370	δ	-	-	-	-	-
134519	500	495	523	557	586	625	618	618	631	670	674	679	694

APPENDIX I (48)

BODY WEIGHTS OF INDIVIDUAL RATS

Group VI - Low Level Freon® 12 - Females - Second Year

Animal No.	Weeks on Test 56	60	64	68	72	76	80	84	88	92	96	100	104
134520	493	497	476	485	512	553	571	598	660	699	δ	-	-
134521	413	420	409	348	§	-	-	-	-	-	-	-	-
134522	416	442	457	472	487	511	532	546	561	§	-	-	-
134523	509	528	557	602	617	627	644	653	662	643	650	628	611
134524	396	401	407	410	413	414	424	434	446	445	431	437	425
134525	361	363	373	377	382	411	396	337	δ	-	-	-	-
134526	361	359	369	370	383	392	394	403	398	415	417	410	403
134527	407	404	418	427	428	446	442	446	446	458	461	443	469
134528	492	498	517	526	512	502	519	521	490	384	§	-	-
134529	387	388	§	-	-	-	-	-	-	-	-	-	-
134530	**	-	-	-	-	-	-	-	-	-	-	-	-
134531	**	-	-	-	-	-	-	-	-	-	-	-	-
134532	650	683	707	750	780	791	819	858	855	856	869	885	900
134533	448	466	483	497	504	511	538	554	560	569	565	576	580
134534	632	654	682	714	732	781	802	832	853	933	1005	§	-
134535	401	416	429	448	467	487	510	519	534	540	552	534	528
134536	356	362	377	381	392	433	444	473	488	495	502	503	522
134537	321	326	333	335	329	342	358	382	390	427	§	-	-
134538	398	414	423	432	448	455	466	487	483	481	491	503	501
134539	326	336	338	345	350	367	386	369	372	382	383	377	370
134540	372	383	394	414	411	426	427	438	443	442	452	452	438
134541	415	417	432	443	450	445	463	457	452	437	457	476	485
134542	565	560	565	573	562	602	625	646	671	692	711	710	673
134543	572	577	594	628	633	641	677	705	707	712	723	743	724
Average	429	440	456	469	484	496	509	523	534	532	556	537	540

APPENDIX I (49)

BODY WEIGHTS OF INDIVIDUAL RATS

Group VII - High Level Freon® 12 - Males - First Year

Animal No.	Weeks on Test 0	1	2	3	4	5	6	7	8	9	10	11	12	13
134544	152	210	262	312	363	396	426	453	460	476	485	493	503	521
134545	147	202	257	300	339	364	387	413	428	452	463	474	486	493
134546	145	199	252	305	341	379	414	440	453	473	488	502	507	522
134547	131	180	230	272	303	331	358	370	388	402	422	421	435	438
134548	139	189	245	289	320	357	388	411	418	435	450	462	458	477
135549	137	177	229	274	306	339	368	391	403	420	436	446	456	467
135550	132	176	233	282	340	377	415	439	464	485	507	515	528	533
135551	143	187	246	298	345	385	415	436	448	464	481	493	500	502
135552	140	186	236	276	306	343	373	390	409	425	431	442	449	445
135553	139	184	231	271	294	319	341	353	364	388	401	416	418	415
135554	136	181	227	270	307	340	371	391	405	421	433	445	453	452
135555	137	177	223	268	311	346	380	402	424	445	460	473	482	486
135556	133	194	247	299	344	379	408	427	444	460	478	490	501	504
135557	112	163	219	269	318	345	376	412	425	446	463	467	477	481
135558	125	172	229	281	329	368	408	440	454	477	485	500	508	506
135559	130	179	232	283	326	364	390	417	431	449	466	473	475	485
135560	127	175	231	277	321	348	378	402	410	428	443	456	455	467
135561	138	193	249	292	338	371	407	430	448	465	483	496	507	520
135562	141	191	243	292	336	380	417	448	461	479	497	508	523	537
135563	137	193	243	292	330	371	400	436	451	463	471	481	484	497
135564	130	179	230	278	321	356	385	403	425	447	461	482	484	496
135565	124	165	207	244	280	304	334	347	352	372	387	397	402	410
135566	125	175	219	262	299	325	352	367	379	400	408	424	424	428
135567	120	164	204	243	283	308	334	347	370	385	395	401	413	416
135568	120	158	200	238	272	301	323	344	358	373	379	394	392	395
135569	130	171	218	266	302	339	378	399	422	446	466	483	490	502

APPENDIX I (50)

BODY WEIGHTS OF INDIVIDUAL RATS

Group VII - High Level Freon® 12 - Males - First Year

Animal No.	Weeks on Test 0	1	2	3	4	5	6	7	8	9	10	11	12	13
134570	136	193	251	307	356	403	439	471	497	517	533	543	556	568
134571	126	188	233	286	331	367	405	438	467	484	502	517	528	521
134572	131	181	238	281	327	355	383	412	440	449	480	492	497	500
134573	127	169	218	261	316	351	374	407	428	447	464	482	496	505
134574	140	193	244	298	348	378	403	422	437	459	478	493	498	508
134575	129	180	228	278	319	346	378	403	424	443	463	467	472	476
134576	127	175	223	268	310	330	360	392	407	427	440	451	453	465
134577	120	173	227	277	316	342	374	400	414	432	444	458	458	468
134578	120	160	206	256	304	334	369	394	411	427	*	*	*	465
134579	128	178	232	283	325	353	380	411	431	441	*	*	*	481
134580	124	164	209	245	283	312	343	371	386	398	*	*	*	442
134581	122	169	221	264	304	334	365	387	402	410	*	*	*	434
134582	138	187	239	285	334	363	396	428	453	484	*	*	*	536
134583	132	181	230	273	321	348	387	413	431	452	*	*	*	496
134584	123	173	215	256	293	323	358	387	415	440	*	*	*	484
134585	131	177	221	261	305	341	370	397	423	440	*	*	*	484
134586	123	170	214	254	293	301	339	378	398	418	*	*	*	462
134587	119	164	210	255	306	322	365	404	427	453	*	*	*	495
134588	145	184	246	300	345	384	420	454	482	513	*	*	*	537
134589	149	192	261	313	361	396	441	467	484	512	*	*	*	552
134590	137	185	252	300	346	384	422	448	476	504	*	*	*	548
134591	131	178	229	277	332	361	398	421	437	460	*	*	*	510
134592	95	112	145	176	221	247	287	313	338	362	*	*	*	419
134593	106	153	204	243	303	337	384	419	442	465	*	*	*	547
Average	130	178	229	275	317	349	381	407	425	444	457	469	476	486

APPENDIX I (51)

BODY WEIGHTS OF INDIVIDUAL RATS

Group VII - High Level Freon® 12 - Males - First Year

Animal	Weeks on Test													
No.	14	15	16	17	18	19	20	21	22	23	24	25	26	28
134544	507	522	524	537	542	553	553	562	565	567	574	507	522	547
134545	502	518	518	537	548	553	554	568	568	562	575	579	578	587
134546	524	534	543	543	556	556	562	573	577	578	593	592	596	600
134547	437	456	470	482	487	494	504	514	519	512	519	524	515	530
134548	473	475	452	457	476	483	485	501	513	517	527	529	522	530
134549	471	485	486	497	502	511	517	522	533	533	531	540	531	537
134550	552	569	578	583	600	607	617	625	630	633	648	650	662	672
134551	523	536	546	563	583	583	598	611	611	622	626	632	633	646
134552	455	467	482	489	499	500	500	512	522	527	533	543	552	562
134553	430	438	453	462	467	466	475	485	491	492	496	506	512	522
134554	461	472	477	477	483	495	502	514	518	526	531	537	541	553
134555	502	512	516	522	532	543	543	556	563	563	574	583	593	596
134556	513	523	528	540	500	537	554	582	582	581	593	604	614	621
134557	490	509	502	500	464	508	523	549	561	573	582	599	605	625
134558	512	526	526	532	547	549	562	576	586	588	602	608	617	627
134559	493	501	512	521	539	547	547	566	568	576	584	582	593	594
134560	469	485	487	493	509	515	526	534	545	558	570	577	590	598
134561	523	544	556	579	593	611	617	630	637	652	665	678	693	710
134562	532	543	555	573	575	584	592	591	600	607	612	619	623	623
134563	502	512	519	530	545	547	542	544	549	553	557	563	569	582
134564	504	518	523	534	548	552	557	572	580	584	597	584	602	608
134565	412	423	427	457	461	472	476	474	495	500	508	498	520	523
134566	439	451	466	478	481	492	502	507	516	517	531	540	552	562
134567	429	442	452	466	469	478	486	501	503	504	514	521	532	543
134568	402	412	122	431	437	443	445	453	460	457	463	472	486	491
134569	505	516	523	533	548	547	557	568	574	578	583	588	594	608

APPENDIX I (52)

BODY WEIGHTS OF INDIVIDUAL RATS

Group VII - High Level Freon® 12 - Males - First Year

Animal No.	Weeks on Test 14	15	16	17	18	19	20	21	22	23	24	25	26	28
134570	573	595	604	615	623	638	642	647	642	653	664	675	685	694
134571	524	527	531	552	554	576	571	576	582	584	596	593	594	603
134572	514	531	539	554	563	578	588	598	612	612	621	629	640	653
134573	510	523	527	534	554	558	572	584	593	592	598	604	612	626
134574	520	530	537	546	548	548	559	565	575	581	584	583	585	602
134575	483	491	501	515	515	528	532	535	544	549	553	555	567	579
134576	472	476	485	496	498	505	504	508	513	516	513	524	532	553
134577	561	460	466	480	480	487	493	503	513	522	530	532	534	547
134578	473	477	495	510	520	527	529	542	552	551	557	561	572	582
134579	488	510	518	532	549	553	562	568	574	582	592	596	609	617
134580	449	459	463	471	478	483	495	501	508	510	511	515	526	533
134581	451	458	465	473	473	484	492	501	500	506	509	492	497	508
134582	523	552	564	583	581	580	595	618	622	634	533	625	623	623
134583	475	507	521	541	538	551	556	570	571	578	582	590	587	591
134584	492	512	540	547	559	558	562	573	579	583	591	600	604	6 0
134585	495	510	525	528	543	543	548	563	565	576	577	581	587	604
134586	471	495	515	522	535	535	533	544	556	560	570	581	578	592
134587	517	536	557	572	584	588	593	612	620	625	633	647	656	667
134588	550	575	605	626	631	626	646	652	644	653	670	688	694	721
134589	553	562	579	600	619	631	644	647	646	642	652	669	682	692
134590	553	567	603	614	642	652	663	686	703	708	686	686	691	708
134591	508	525	552	560	569	579	594	584	607	610	615	622	633	650
134592	435	462	481	494	507	514	532	545	554	564	525	540	556	582
134593	558	573	592	602	618	624	634	652	658	670	675	687	702	717
Average	492	506	516	528	535	543	551	561	568	572	576	583	590	601

APPENDIX I (53)

BODY WEIGHTS OF INDIVIDUAL RATS

Group VII - High Level Freon® 12 - Males - First Year

Animal No.	Weeks on Test 30	32	34	36	38	40	42	44	46	48	50	52
134544	570	578	596	589	590	609	609	615	606	615	615	620
134545	585	598	612	612	623	632	645	657	649	665	667	670
134546	574	601	617	625	629	637	657	657	663	667	635	662
134547	536	548	556	563	566	577	587	582	585	565	568	585
134548	530	547	553	566	582	548	572	592	592	598	600	608
134549	549	562	574	579	576	559	603	608	614	612	603	612
134550	680	695	675	697	716	733	748	763	777	782	787	796
134551	655	663	679	693	702	708	711	722	739	747	754	763
134552	578	577	587	602	614	627	642	649	657	663	669	673
134553	530	538	556	562	565	583	593	602	613	623	615	622
134554	560	562	573	581	591	595	598	602	606	611	611	607
134555	615	617	631	653	653	670	682	681	687	692	616	683
134556	637	642	661	682	693	709	719	728	751	757	740	747
134557	635	653	669	686	692	702	711	725	734	745	736	747
134558	628	634	642	650	652	671	683	684	690	694	666	678
134559	**	-	-	-	-	-	-	-	-	-	-	-
134560	**	-	-	-	-	-	-	-	-	-	-	-
134561	724	730	751	763	778	793	812	832	852	860	832	842
134562	632	642	645	655	661	662	662	662	673	673	673	678
134563	585	594	602	610	612	623	600	607	633	621	612	606
134564	617	641	652	670	688	697	715	726	737	748	763	759
134565	527	560	569	572	588	592	603	610	623	640	640	643
134566	572	590	602	612	624	636	655	662	667	672	685	685
134567	551	562	571	581	591	610	621	632	644	650	656	661
134568	501	515	522	531	541	555	575	575	582	594	607	614
134569	618	642	648	667	675	695	715	730	743	753	757	756

APPENDIX I (54)

BODY WEIGHTS OF INDIVIDUAL RATS

Group VII - High Level Freon® 12 - Males - First Year

Animal No.	Weeks on Test 30	32	34	36	38	40	42	44	46	48	50	52
134570	699	723	753	753	777	793	804	822	780	686	691	737
134571	613	642	646	653	670	688	δ	-	-	-	-	-
134572	675	680	697	716	735	752	761	768	772	790	789	783
134573	637	646	664	687	702	710	721	729	752	620	662	685
134574	615	621	630	639	650	659	661	663	669	672	673	682
134575	585	600	600	615	623	637	650	654	667	682	678	687
134576	550	559	568	585	595	607	617	622	633	634	623	625
134577	552	563	572	589	602	602	607	616	617	617	607	616
134578	584	599	606	612	612	629	641	655	648	623	620	641
134579	633	652	654	670	685	692	700	717	724	688	697	721
134580	538	551	561	574	577	595	595	602	602	603	603	610
134581	518	528	528	538	536	553	555	570	588	580	570	576
134582	653	653	670	680	688	696	705	706	718	726	696	712
134583	595	606	623	637	**	-	-	-	-	-	-	-
134584	648	664	677	691	695	714	721	727	741	747	755	761
134585	621	630	647	655	663	680	685	696	704	710	690	698
134586	594	612	625	641	646	680	682	693	693	702	699	711
134587	677	691	706	728	738	759	768	765	783	792	802	802
134588	750	772	785	808	835	887	840	854	882	908	904	898
134589	713	729	742	763	783	802	815	825	837	861	852	853
134590	731	751	759	776	**	-	-	-	-	-	-	-
134591	665	688	699	677	**	-	-	-	-	-	-	-
134592	610	632	648	661	661	670	687	698	711	723	705	712
134593	747	768	783	805	819	834	850	876	884	893	864	850
Average	612	626	637	649	655	668	677	685	694	693	688	699

APPENDIX I (55)

BODY WEIGHTS OF INDIVIDUAL RATS

Group VII - High Level Freon® 12 - Males - Second Year

Animal No.	Weeks on Test 56	60	64	68	72	76	80	84	88	92	96	100	104
134544	623	683	640	658	657	670	658	668	662	653	584	**	-
134545	682	693	710	702	707	732	732	741	762	759	767	768	752
134546	689	706	723	736	741	766	777	807	818	871	810	808	**
134547	585	592	600	604	597	597	618	610	632	629	646	647	622
134548	621	623	635	644	643	676	698	715	715	722	713	706	643
134549	620	624	555	**	-	-	-	-	-	-	-	-	-
134550	810	820	304	850	832	868	896	918	936	947	952	916	847
134551	783	788	794	823	823	856	870	892	880	883	901	883	840
134552	687	683	703	717	718	729	743	746	747	762	765	775	772
134553	650	658	678	666	514	δ	-	-	-	-	-	-	-
134554	623	640	651	664	660	682	698	725	725	700	663	704	733
134555	719	723	748	765	760	778	802	831	818	841	840	855	860
134556	763	798	825	852	856	885	903	919	924	929	946	950	966
134557	773	798	822	842	854	887	903	937	938	887	907	896	904
134558	705	721	747	760	769	777	792	799	795	787	797	**	-
134559	-	-	-	-	-	-	-	-	-	-	-	-	-
134560	-	-	-	-	-	-	-	-	-	-	-	-	-
134561	889	892	932	969	964	999	1034	1056	1031	1038	978	900	867
134562	686	702	707	718	718	721	721	724	728	716	687	693	683
134563	637	649	655	657	665	670	681	690	662	645	595	622	653
134564	779	793	809	834	851	862	889	917	914	940	940	921	960
134565	665	673	690	712	725	743	764	787	783	781	**	-	-
134566	685	707	732	752	767	773	794	797	813	842	866	888	879
134567	685	702	722	752	758	773	803	839	844	852	869	880	880
134568	646	630	745	680	691	708	727	763	763	778	779	796	800
134569	779	770	807	832	827	843	874	887	891	900	**	-	-

APPENDIX I (56)

BODY WEIGHTS OF INDIVIDUAL RATS

Group VII - High Level Freon® 12 - Males - Second Year

Animal No.	Weeks on Test 56	60	64	68	72	76	80	84	88	92	96	100	104
134570	§	-	-	-	-	-	-	-	-	-	-	-	-
134571	-	-	-	-	-	-	-	-	-	-	-	-	-
134572	815	834	864	881	896	898	919	920	931	937	967	967	943
134573	728	746	753	775	763	787	806	792	776	778	740	723	652
134574	692	692	686	695	702	703	709	724	728	723	738	744	733
134575	707	712	722	734	736	749	740	755	756	642	δ	-	-
134576	643	658	670	697	700	685	725	738	755	764	782	785	788
134577	622	632	640	642	647	638	661	684	681	671	668	682	676
134578	§	-	-	-	-	-	-	-	-	-	-	-	-
134579	§	-	-	-	-	-	-	-	-	-	-	-	-
134580	621	626	641	658	662	680	699	712	697	711	723	692	712
134581	599	609	619	627	623	633	633	640	646	653	668	664	**
134582	§	-	-	-	-	-	-	-	-	-	-	-	-
134583	-	-	-	-	-	-	-	-	-	-	-	-	-
134584	787	802	818	843	862	845	842	855	851	863	847	746	δ
134585	720	739	755	775	787	799	812	817	773	763	δ	-	-
134586	722	744	755	781	777	792	807	852	840	838	846	845	794
134587	824	846	875	886	886	912	933	936	937	936	951	961	946
134588	919	958	995	1016	1026	1026	1006	1030	1030	1020	787	δ	-
134589	850	894	911	940	967	943	943	988	948	957	988	**	-
134590	-	-	-	-	-	-	-	-	-	-	-	-	-
134591	-	-	-	-	-	-	-	-	-	-	-	-	-
134592	§	-	-	-	-	-	-	-	-	-	-	-	-
134593	§	-	-	-	-	-	-	-	-	-	-	-	-
Average	711	725	740	760	760	780	795	811	809	809	803	801	796

APPENDIX I (57)

BODY WEIGHTS OF INDIVIDUAL RATS

Group VIII - High Level Freon® 12 - Females - First Year

Animal No.	Weeks on Test 0	1	2	3	4	5	6	7	8	9	10	11	12	13
134594	116	150	177	193	208	220	229	244	255	261	264	272	276	282
134595	119	148	175	188	198	209	228	232	231	241	244	253	255	264
134596	126	157	182	192	205	223	238	263	269	278	281	282	280	290
134597	135	170	190	212	231	249	261	273	282	294	290	300	298	304
134598	114	143	169	184	206	216	233	240	244	254	258	257	264	270
134599	119	155	171	196	208	219	230	238	245	250	253	263	266	265
134600	126	156	186	203	222	235	253	264	269	275	286	294	297	294
134601	119	151	174	193	212	229	243	257	259	279	289	291	292	293
134602	121	153	181	186	209	219	234	248	256	258	260	273	272	265
134603	119	145	171	186	204	216	231	241	251	256	256	266	265	264
134604	119	149	174	196	210	216	231	243	243	255	258	258	266	263
134605	117	139	161	172	186	196	207	217	222	228	234	234	239	236
134606	125	153	176	186	208	208	223	231	234	243	248	252	258	256
134607	126	150	167	189	204	218	235	243	252	254	268	267	277	276
134608	104	120	141	149	166	175	183	218	198	203	207	211	211	213
134609	109	125	144	160	174	188	196	204	211	221	228	222	231	232
134610	114	150	185	201	228	224	243	248	262	261	275	274	283	285
134611	110	149	181	200	220	235	245	258	265	268	280	279	289	273
134612	110	143	166	188	209	228	240	253	263	266	276	282	281	290
134613	108	141	164	180	198	211	225	234	233	247	254	250	248	263
134614	112	140	170	185	214	226	246	253	257	266	278	285	285	285
134615	110	141	161	180	197	217	234	248	249	253	264	262	265	273
134616	107	142	171	186	219	233	247	262	266	279	282	293	293	298
134617	116	149	181	199	235	236	253	270	272	279	292	298	298	292
134618	106	131	156	177	198	207	218	233	235	247	258	259	266	265
134619	108	140	164	179	208	204	225	239	247	258	263	271	273	278

APPENDIX I (58)

BODY WEIGHTS OF INDIVIDUAL RATS

Group VIII - High Level Freon® 12 - Females - First Year

Animal No.	Weeks on Test 0	1	2	3	4	5	6	7	8	9	10	11	12	13
134620	111	133	162	183	205	225	231	247	256	266	279	275	284	278
134621	113	138	163	176	192	201	208	217	225	235	244	244	253	246
134622	105	134	163	180	206	222	243	256	267	274	287	299	305	303
134623	110	145	165	185	203	224	239	256	264	273	285	295	294	297
134624	110	142	174	188	213	239	265	268	274	279	287	296	299	302
134625	116	156	184	190	220	230	253	270	275	283	290	294	291	304
134626	112	140	165	189	213	229	251	261	258	275	270	275	283	287
134627	112	140	168	183	207	221	236	249	258	269	277	274	279	281
134628	106	137	169	185	202	223	227	237	242	253	*	*	*	*
134629	110	147	174	192	218	233	248	255	266	273	*	*	*	*
134630	108	139	160	173	190	196	206	210	215	220	*	*	*	*
134631	104	140	168	178	197	206	218	222	235	234	*	*	*	*
134632	111	140	174	194	216	230	248	256	263	270	*	*	*	*
134633	116	150	186	202	225	248	254	267	270	277	*	*	*	*
134634	143	180	216	235	261	280	294	313	321	339	*	*	*	*
134635	124	156	185	197	218	231	245	254	262	277	*	*	*	*
134636	110	143	169	184	201	211	229	240	246	260	*	*	*	*
134637	102	132	161	178	198	206	218	231	243	284	*	*	*	*
134638	95	121	149	164	184	202	209	217	226	246	*	*	*	*
134639	106	138	168	184	207	213	228	237	250	239	*	*	*	*
134640	121	153	174	185	205	227	237	249	248	275	*	*	*	*
134641	128	172	211	222	248	273	278	295	305	250	*	*	*	*
134642	119	160	199	225	243	268	281	299	306	319	*	*	*	*
134643	123	155	188	201	226	239	244	268	273	316	*	*	*	*
Average	115	146	173	189	210	223	236	248	254	263	267	271	274	276

APPENDIX I (59)

BODY WEIGHTS OF INDIVIDUAL RATS

Group VIII - High Level Freon® 12 - Females - First Year

Animal No.	Weeks on Test 14	15	16	17	18	19	20	21	22	23	24	25	26	28
134594	282	285	282	298	298	298	298	307	310	320	341	330	326	322
134595	255	266	257	272	264	267	271	274	277	274	278	279	282	284
134596	286	293	289	306	302	300	302	308	310	311	312	314	315	313
134597	303	309	306	315	315	322	321	330	333	331	329	332	327	333
134598	269	274	277	288	288	282	287	289	293	288	293	298	291	295
134599	267	272	273	283	283	287	287	284	291	293	298	301	301	299
134600	305	311	311	324	324	333	331	338	342	345	351	352	358	333
134601	299	303	305	324	322	313	325	332	333	333	337	341	340	354
134602	277	279	283	292	294	294	303	308	307	302	300	308	312	313
134603	273	279	286	298	293	296	299	302	302	304	310	310	307	311
134604	262	274	270	278	281	282	288	285	290	287	291	294	290	301
134605	238	249	249	252	258	258	258	263	262	264	267	268	269	276
134606	256	261	267	269	277	278	277	282	283	287	286	285	289	291
134607	285	286	294	296	299	306	300	301	318	308	314	316	320	321
134608	214	222	224	225	225	233	233	235	234	239	243	241	243	242
134609	230	240	236	247	247	247	249	248	252	256	252	257	256	257
134610	284	283	288	293	302	307	319	313	320	311	318	316	318	318
134611	299	297	299	306	311	313	315	318	319	332	334	329	330	329
134612	288	290	293	291	298	298	302	315	313	306	303	305	300	302
134613	264	265	268	271	281	281	287	277	283	284	282	283	277	281
134614	298	301	301	309	307	318	324	330	331	330	332	339	341	344
134615	269	276	281	281	286	287	289	293	298	298	304	309	309	307
134616	295	302	301	305	307	308	313	313	316	331	333	324	326	291
134617	294	305	306	310	318	317	334	324	320	324	329	331	331	332
134618	270	278	283	291	296	293	302	306	303	311	313	313	314	323
134619	277	285	286	292	295	297	296	296	303	297	300	302	302	314

APPENDIX I (60)

BODY WEIGHTS OF INDIVIDUAL RATS

Group VIII - High Level Freon® 12 - Females - First Year

Animal No.	Weeks on Test 14	15	16	17	18	19	20	21	22	23	24	25	26	28
134620	287	290	298	309	309	318	316	315	325	319	332	339	354	352
134621	253	261	258	266	268	274	278	277	285	285	288	294	291	294
134622	312	320	329	334	343	343	354	356	359	363	365	371	377	391
134623	304	317	324	330	343	343	344	348	348	352	360	368	372	385
134624	306	312	311	319	323	329	331	336	342	344	344	345	345	360
134625	300	321	335	330	324	324	328	339	344	341	344	363	382	395
134626	278	290	293	293	296	287	291	304	311	307	306	314	310	314
134627	286	291	299	315	328	331	340	348	351	353	350	358	362	371
134628	*	*	*	*	291	297	297	291	296	292	291	294	294	301
134629	*	*	*	*	314	325	328	338	341	341	348	358	363	376
134630	*	*	*	*	253	272	273	257	258	260	265	266	257	264
134631	*	*	*	*	**	261	266	274	277	276	272	277	275	277
134632	*	*	*	*	299	313	313	311	320	316	318	320	321	325
134633	*	*	*	*	313	318	316	318	324	326	320	327	332	331
134634	*	*	*	*	352	386	387	394	391	395	400	415	428	438
134635	*	*	*	*	297	309	306	310	313	314	319	311	321	328
134636	*	*	*	*	298	301	304	311	315	310	323	323	328	332
134637	*	*	*	*	287	296	304	310	316	319	331	343	345	356
134638	*	*	*	*	**	277	280	281	286	285	291	289	290	294
134639	*	*	*	*	301	304	310	311	315	318	323	335	321	337
134640	*	*	*	*	309	313	313	319	316	319	328	336	338	348
134641	*	*	*	*	362	385	395	397	414	421	429	430	441	466
134642	*	*	*	*	334	344	351	359	355	364	364	376	396	386
134643	*	*	*	*	335	337	344	357	360	361	375	376	373	387
Average	278	285	287	294	301	304	308	311	314	315	319	322	324	328

APPENDIX I (61)

BODY WEIGHTS OF INDIVIDUAL RATS

Group VIII - High Level Freon® 12 - Females - First Year

Animal No.	Weeks on Test 30	32	34	36	38	40	42	44	46	48	50	52
134594	332	306	339	339	344	346	360	364	368	376	386	380
134595	288	297	296	303	304	308	310	315	320	326	326	327
134596	320	330	339	333	340	347	352	360	383	362	359	346
134597	339	344	336	340	353	368	368	375	379	382	391	382
134598	307	308	302	314	315	318	323	329	338	351	345	339
134599	308	317	318	328	334	343	348	355	361	366	368	368
134600	365	373	395	406	429	433	441	462	474	479	486	495
134601	354	360	356	373	378	378	401	399	395	400	408	416
134602	313	321	337	351	356	353	371	373	376	383	397	377
134603	313	330	330	340	346	351	359	363	369	377	372	368
134604	302	305	309	306	306	310	313	310	313	317	317	332
134605	274	287	283	291	292	290	288	310	323	297	292	303
134606	293	301	301	303	307	313	313	322	327	326	334	334
134607	337	337	336	344	354	362	367	381	386	388	385	368
134608	240	252	248	250	254	254	255	258	258	264	259	264
134609	263	270	264	268	269	269	278	281	281	270	276	270
134610	328	336	341	363	363	358	367	374	388	395	395	398
134611	328	340	352	369	376	379	390	397	404	414	424	424
134612	311	339	309	306	304	304	313	316	382	322	331	332
134613	288	294	297	298	303	304	309	312	321	326	328	330
134614	366	361	369	373	383	386	388	396	403	424	430	436
134615	318	331	343	345	351	364	365	372	380	388	392	378
134616	307	307	315	318	318	318	312	337	327	323	323	328
134617	338	346	359	361	357	366	358	373	380	381	381	381
134618	331	336	354	359	361	359	385	387	384	405	399	408
134619	319	322	329	334	338	346	353	358	365	371	375	380

APPENDIX I (62)

BODY WEIGHTS OF INDIVIDUAL RATS

Group VIII - High Level Freon® 12 - Females - First Year

Animal No.	Weeks on Test 30	32	34	36	38	40	42	44	46	48	50	52
134620	348	345	355	363	371	373	387	391	397	399	399	384
134621	298	299	312	324	324	330	342	354	358	361	378	379
134622	402	398	403	417	443	458	478	502	522	537	553	571
134623	394	402	404	418	423	426	465	441	453	475	576	505
134624	351	354	368	368	381	381	385	397	400	406	410	413
134625	380	381	388	402	417	404	433	443	457	471	480	483
134626	323	327	331	338	342	344	353	372	375	387	387	399
134627	382	383	403	414	433	435	443	453	465	467	470	471
134628	312	321	314	326	325	334	329	328	336	342	339	348
134629	370	389	403	405	408	408	411	418	429	435	435	435
134630	262	272	276	272	277	289	279	277	277	279	279	282
134631	287	294	296	294	304	305	313	323	323	332	326	328
134632	343	341	330	332	334	338	338	341	346	356	376	376
134633	337	332	339	352	358	364	371	386	394	402	405	405
134634	426	415	426	437	449	462	472	484	491	497	497	497
134635	331	340	343	346	345	353	354	356	362	363	371	371
134636	337	341	345	353	360	356	368	389	385	385	400	405
134637	383	392	408	412	431	425	425	442	462	477	477	483
134638	293	274	287	308	303	302	307	310	318	316	316	316
134639	337	338	341	347	336	335	340	343	356	346	351	351
134640	354	360	376	385	397	400	408	419	430	442	452	460
134641	478	495	502	520	544	554	560	574	594	607	619	625
134642	394	403	421	421	415	418	437	460	461	473	473	473
134643	388	402	411	425	433	446	456	475	488	500	510	505
Average	334	339	345	354	358	361	369	377	385	389	393	395

APPENDIX I (63)

BODY WEIGHTS OF INDIVIDUAL RATS

Group VIII - High Level Freon® 12 - Females - Second Year

Animal No.	Weeks on Test 56	60	64	68	72	76	80	84	88	92	96	100	104
134594	407	413	413	441	454	475	§	-	-	-	-	-	-
134595	362	375	388	408	413	426	446	§	-	-	-	-	-
134596	384	416	443	458	470	490	495	**	-	-	-	-	-
134597	418	438	473	486	493	495	504	516	491	485	479	489	508
134598	δ	-	-	-	-	-	-	-	-	-	-	-	-
134599	δ	-	-	-	-	-	-	-	-	-	-	-	-
134600	δ	-	-	-	-	-	-	-	-	-	-	-	-
134601	δ	-	-	-	-	-	-	-	-	-	-	-	-
134602	407	419	417	429	444	439	458	456	446	446	460	469	§
134603	401	395	408	430	442	447	466	474	485	481	468	459	§
134604	323	308	324	348	353	364	367	368	381	383	390	390	390
134605	283	311	325	345	341	353	374	379	395	405	434	436	442
134606	338	352	386	381	397	413	436	463	488	527	542	560	581
134607	371	386	401	418	440	447	480	508	523	523	530	538	538
134608	268	271	278	288	298	307	311	318	318	328	341	341	355
134609	283	304	304	318	331	338	356	362	372	373	378	383	407
134610	422	416	440	462	473	494	442	493	495	505	510	515	508
134611	443	447	469	464	464	480	480	484	487	484	470	473	471
134612	343	349	365	363	354	359	367	376	372	400	392	378	366
134613	349	361	378	381	389	389	395	421	465	482	521	581	§
134614	472	**	-	-	-	-	-	-	-	-	-	-	-
134615	406	428	**	-	-	-	-	-	-	-	-	-	-
134616	338	339	347	362	373	378	384	405	289	§	-	-	-
134617	403	410	443	450	472	476	481	488	494	478	467	480	473
134618	423	423	437	460	471	488	502	509	523	536	550	567	548
134619	398	397	417	421	439	460	483	497	493	509	528	533	553

APPENDIX I (64)

BODY WEIGHTS OF INDIVIDUAL RATS

Group VIII - High Level Freon® 12 - Females - Second Year

Animal No.	Weeks on Test 56	60	64	68	72	76	80	84	88	92	96	100	104
134620	418	428	452	468	474	481	505	528	502	§	-	-	-
134621	399	409	423	443	464	471	487	501	508	512	517	526	534
134622	591	606	609	595	599	610	617	622	640	665	662	702	§
134623	529	548	574	586	602	603	626	600	612	608	591	463	§
134624	428	437	448	476	473	478	492	507	508	527	532	533	533
134625	493	506	532	544	588	593	602	609	627	641	608	446	§
134626	δ	-	-	-	-	-	-	-	-	-	-	-	-
134627	δ	-	-	-	-	-	-	-	-	-	-	-	-
134628	367	370	378	379	398	403	412	403	382	331	§	-	-
134629	453	452	485	481	478	328	§	-	-	-	-	-	-
134630	308	295	312	313	321	331	332	340	353	343	349	363	341
134631	347	351	358	376	361	372	384	363	366	292	§	-	-
134632	371	369	374	384	389	393	412	424	465	441	432	458	434
134633	408	436	458	472	478	483	473	482	486	468	470	474	485
134634	507	535	565	561	604	605	612	623	610	630	617	610	597
134635	381	385	393	398	400	408	415	423	423	432	443	453	457
134636	402	426	438	465	472	490	504	520	542	612	652	§	-
134637	518	530	562	577	574	592	602	602	616	618	603	§	-
134638	322	331	348	353	366	364	398	412	421	427	428	438	409
134639	357	363	373	377	394	415	412	§	-	-	-	-	-
134640	473	492	525	393	**	-	-	-	-	-	-	-	-
134641	652	660	690	662	653	652	666	687	719	728	785	§	-
134642	477	497	433	**	-	-	-	-	-	-	-	-	-
134643	500	510	550	560	582	582	594	610	467	465	362	§	-
Average	408	416	432	439	448	454	468	489	482	487	500	484	474

APPENDIX II (1)

URINARY FLUORIDE DATA ON RATS
FED FREON® 12 FOR ONE MONTH

% in Diet	MALES Rat No.	µg F-ml	µg F-day	µg F-mg Creat.	FEMALES Rat No.	µg F-ml	µg F-day	µg F-mg Creat.
	134246	4.5	67.5	6.8	134296	8.0	56.0	11.4
	134247	5.6	67.2	6.5	134297	5.7	62.7	9.2
	134252	4.9	53.9	6.3	134302	7.4	44.4	10.3
	134253	5.3	58.3	6.2	134303	7.1	49.7	11.1
0	134260	3.9	89.7	9.3	134304	6.5	45.5	9.0
	134261	6.1	73.2	7.8	134305	6.3	31.5	7.5
	134262	4.9	68.6	8.4	134312	7.8	39.0	7.4
	134263	4.9	63.7	7.9	134313	3.1	31.0	6.5
	134268	4.0	60.0	5.9	134318	6.5	58.5	8.1
	134269	5.9	64.9	7.0	134319	4.3	51.6	8.0
	134348	6.4	70.4	7.4	134398	6.8	61.2	12.6
	134349	6.0	72.0	7.1	134399	7.7	23.1	7.5
	134350	4.9	63.7	7.9	134404	5.3	63.6	9.5
	134351	5.1	76.5	6.9	134405	6.7	53.6	10.5
0	134354	7.9	55.3	6.4	134408	7.1	42.6	9.1
	134355	4.7	65.8	7.1	134409	6.2	31.0	7.4
	134360	5.3	63.6	6.8	134410	5.5	71.5	10.6
	134361	5.8	87.0	6.7	134411	5.3	47.7	8.0
	134366	5.3	68.9	6.6	134416	3.2	57.6	8.0
	134367	4.0	72.0	6.7	134417	4.2	71.4	8.8
	134444	4.8	67.2	7.3	134494	3.4	47.6	8.1
	134445	4.5	58.5	5.5	134495	5.4	43.2	8.2
	134446	4.0	68.0	8.3	134496	5.8	46.4	8.3
	134447	4.6	64.4	6.2	134497	7.4	74.0	12.8
Low	134452	3.4	81.6	5.9	134500	3.9	46.8	7.5
Level	134453	4.0	68.0	5.3	134501	3.7	40.7	7.4
	134456	3.9	70.2	7.2	134506	3.7	66.6	12.3
	134457	5.8	63.8	6.4	134507	4.5	54.0	11.8
	134464	5.5	55.0	7.6	134512	3.1	40.3	7.4
	134465	4.6	64.4	6.8	134513	5.0	70.0	12.5
	134546	5.4	64.8	6.1	134600	4.8	38.4	7.7
	134547	7.5	82.5	8.9	134601	5.6	50.4	8.8
	134548	5.7	74.1	6.8	134606	3.2	48.0	8.4
	134549	5.8	75.4	8.3	134607	5.9	35.4	7.8
High	134552	5.7	79.8	8.6	134610	7.2	43.2	8.8
Level	134553	5.5	66.0	7.9	134611	5.5	44.0	8.9
	134562	4.3	51.6	6.0	134616	5.4	81.0	12.3
	134563	5.1	71.4	7.3	134617	4.7	61.1	10.2
	134568	5.4	59.4	7.3	134618	5.2	41.6	8.1
	134569	4.9	88.2	9.1	134619	4.5	45.0	8.7

APPENDIX II (2)

URINARY FLUORIDE DATA ON RATS FED FREON® 12 FOR TWO MONTHS

% in Diet	MALES Rat No.	µg F-ml	µg F-day	µg F-mg Creat.	FEMALES Rat No.	µg F-ml	µg F-day	µg F-mg Creat.
	134244	5.3	84.8	4.6	134294	6.4	38.4	6.2
	134245	6.4	64.0	4.6	134295	5.8	46.4	5.5
	134246	3.6	68.4	4.4	134296	4.6	50.6	7.4
	134247	6.1	85.4	5.4	134297	4.4	44.0	5.8
0	134248	4.0	68.0	5.4	134298	4.1	36.9	7.3
	134249	4.1	69.7	4.3	134299	3.8	41.8	5.6
	134250	5.9	59.0	4.2	134300	3.5	49.0	6.0
	134251	5.2	67.6	5.2	134301	5.3	53.0	7.4
	134252	3.2	60.8	4.2	134302	4.5	45.0	6.1
	134253	6.2	68.2	5.2	134303	4.7	47.0	6.7
	134344	6.4	57.6	4.8	134394	2.6	49.4	4.8
	134345	4.0	92.0	6.1	134395	5.6	33.6	5.7
	134346	4.4	57.2	4.2	134396	3.5	24.5	4.6
	134347	5.0	55.0	3.9	134397	5.2	52.0	7.2
0	134348	7.6	76.0	5.8	134398	6.0	36.0	6.7
	134349	5.9	88.5	5.7	134399	6.7	26.8	5.3
	134350	5.2	93.6	6.8	134400	3.9	66.3	7.2
	134351	6.0	90.0	5.5	134401	3.9	66.3	7.0
	134352	4.5	76.5	4.9	134402	6.5	39.0	5.9
	134353	5.5	88.0	6.7	134403	5.8	69.6	7.4
	134444	6.5	97.5	8.1	134494	4.3	47.3	6.1
	134445	5.2	57.2	4.3	134495	5.4	37.8	5.7
	134446	4.6	105.8	7.7	134496	6.6	39.6	6.3
	134447	4.3	81.7	5.8	134497	6.6	46.2	6.5
Low	134448	6.0	72.0	5.2	134498	4.9	63.7	6.4
Level	134449	5.1	102.0	7.3	134499	4.0	68.0	8.3
	134450	2.9	72.5	4.3	134500	3.7	55.5	6.6
	134451	3.8	83.6	5.4	134501	2.8	53.2	5.6
	134452	2.9	81.2	4.5	134502	5.2	62.4	7.9
	134453	2.9	60.9	3.6	134503	5.5	49.5	7.6
	134544	4.8	91.2	6.0	134594	5.4	48.6	6.3
	134545	5.3	68.9	5.1	134595	7.1	35.5	6.8
	134546	5.5	88.0	6.1	134596	3.9	50.7	5.3
	134547	6.8	81.6	7.1	134597	6.6	92.4	10.3
High	134548	4.9	98.0	6.6	134598	4.6	59.8	6.8
Level	134549	5.2	83.2	6.3	134599	3.6	43.2	4.7
	134550	4.6	73.6	5.2	134600	4.4	35.2	4.7
	134551	5.6	67.2	5.4	134601	4.1	53.3	6.2
	134552	5.0	90.0	6.6	134602	7.0	35.0	5.9
	134553	3.9	66.3	5.7	134603	3.5	45.5	5.8

APPENDIX II (3)

URINARY FLUORIDE DATA ON RATS
FED FREON® 12 FOR THREE MONTHS

% in Diet	MALES Rat No.	µg F-ml	µg F-day	µg F-mg Creat.	FEMALES Rat No.	µg F-ml	µg F-day	µg F-mg Creat.
	134244	5.8	92.8	4.8	134294	5.4	43.2	5.6
	134245	6.9	89.7	5.2	134295	4.2	46.2	5.0
	134246	5.6	95.2	5.4	134296	4.2	37.8	5.8
	134247	5.9	70.8	4.8	134297	3.1	65.1	7.4
0	134248	4.6	69.0	4.4	134298	3.8	60.8	7.6
	134249	3.5	70.0	3.4	134299	3.3	33.0	4.9
	134260	4.8	100.8	6.7	134324	3.8	15.2	3.2
	134261	6.1	73.2	4.8	134325	6.1	42.7	6.6
	134262	6.2	74.4	5.3	134326	1.8	34.2	4.5
	134263	4.1	65.6	5.3	134327	4.0	48.0	5.6
	134344	5.5	82.5	5.0	134394	3.1	49.6	5.5
	134345	4.0	76.0	4.3	134395	4.0	44.0	6.3
	134346	4.3	55.9	4.1	134396	5.6	50.4	8.0
	134347	3.5	52.5	3.9	134397	5.0	50.0	8.1
0	134348	8.9	62.3	4.2	134398	5.2	52.0	8.7
	134349	6.1	79.3	4.4	134399	4.0	36.0	5.4
	134360	4.6	105.8	4.9	134424	3.9	46.8	5.6
	134361	5.0	50.0	3.8	134425	4.3	64.5	6.9
	134362	7.5	67.5	4.5	134426	5.0	50.0	6.9
	134363	6.0	60.0	4.1	134427	3.2	38.4	5.2
	134444	5.4	81.0	6.0	134494	3.4	47.6	6.8
	134445	5.6	56.0	4.2	134495	6.3	25.2	5.7
	134446	4.6	87.4	5.5	134496	8.5	42.5	6.6
	134447	5.4	75.6	4.9	134497	4.0	36.0	4.3
Low	134448	7.2	72.0	4.8	134498	4.1	49.2	5.3
Level	134449	5.6	89.6	6.1	134499	4.0	64.0	6.1
	134460	5.6	78.4	5.5	134524	4.8	57.6	7.5
	134461	5.4	70.2	4.6	134525	5.6	50.4	6.7
	134462	4.5	58.5	4.2	134526	4.8	38.4	5.0
	134463	5.3	74.2	5.9	134527	5.6	39.2	4.4
	134544	5.5	77.0	4.6	134594	5.9	64.9	8.0
	134545	5.5	66.0	4.4	134595	5.4	27.0	4.5
	134546	6.8	81.6	5.2	134596	4.2	50.4	5.8
	134547	7.2	79.2	5.3	134597	5.2	67.6	8.1
High	134548	3.7	107.3	6.4	134598	5.1	51.0	6.2
Level	134549	4.6	110.4	7.2	134599	4.8	28.8	4.1
	134560	5.1	66.3	4.6	134624	4.1	65.6	7.9
	134561	4.0	84.0	4.9	134625	2.6	26.0	3.4
	134562	5.6	56.0	3.4	134626	2.4	36.0	4.6
	134563	5.0	70.0	4.7	134627	3.3	49.5	5.9

APPENDIX II (4)

URINARY FLUORIDE DATA ON RATS FED FREON® 12 FOR FOUR MONTHS

	MALES				FEMALES			
% in Diet	Rat No.	µg F-ml	µg F-day	µg F-mg Creat.	Rat No.	µg F-ml	µg F-day	µg F-mg Creat.
	134244	6.4	76.8	4.7	134294	4.1	49.2	5.5
	134245	5.6	78.4	4.7	134295	3.7	77.7	7.1
	134258	5.7	45.6	4.3	134296	3.7	48.1	6.9
	134259	7.3	73.0	5.5	134297	1.5	36.0	3.9
0	134260	4.5	63.0	5.0	134298	3.4	47.6	6.5
	134261	9.0	72.0	5.7	134299	4.6	50.6	7.4
	134262	6.5	78.0	6.0	134300	4.6	32.2	4.9
	134263	3.7	55.5	4.7	134301	5.6	33.6	6.5
	134264	7.6	45.6	4.5	134302	3.3	23.1	4.1
	134265	5.7	79.8	4.6	134303	5.2	41.6	6.5
	134344	4.4	70.4	4.0	134394	4.5	45.0	5.2
	134345	5.8	69.6	4.8	134395	3.6	46.8	5.6
	134358	3.7	59.2	4.0	134396	4.1	53.3	6.8
	134359	4.6	69.0	4.4	134397	5.4	59.4	8.2
0	134360	5.7	74.1	4.3	134398	5.2	46.8	7.4
	134361	6.7	53.6	3.9	134399	7.2	50.4	7.2
	134362	3.9	66.3	4.1	134400	3.4	34.0	6.1
	134363	7.2	50.4	3.8	134401	4.2	67.2	7.8
	134364	7.6	53.2	4.7	134402	4.2	42.0	6.0
	134365	5.7	51.3	3.5	134403	7.4	37.0	5.4
	134444	7.5	90.0	7.1	134494	2.5	50.0	5.7
	134445	6.4	57.6	4.6	134495	6.1	36.6	6.5
	134458	4.2	54.6	4.4	134496	5.0	50.0	6.0
	134459	4.7	51.7	4.4	134497	5.8	46.4	5.9
Low	134460	4.5	85.5	5.9	134498	5.5	60.5	6.1
Level	134461	4.6	59.8	3.8	134499	5.7	57.0	6.1
	134462	3.9	58.5	5.3	134500	4.2	54.6	6.6
	134463	2.8	47.6	3.8	134501	1.9	53.2	5.9
	134464	5.8	46.4	4.6	134502	2.5	42.5	5.0
	134465	6.3	56.7	4.8	134503	3.8	30.4	4.1
	134544	3.9	89.7	5.1	134594	7.2	28.8	4.7
	134545	3.3	66.0	4.5	134595	3.3	23.1	3.2
	134558	3.5	52.5	3.6	134596	5.5	38.5	5.0
	134559	3.8	45.6	3.5	134597	6.0	36.0	5.2
High	134560	6.4	57.6	4.8	134598	3.3	33.0	3.9
Level	134561	4.2	84.0	5.3	134599	3.3	29.7	3.3
	134562	2.8	44.8	3.0	134600	3.4	47.6	5.2
	134563	6.0	66.0	4.5	134601	5.3	31.8	4.0
	134564	4.9	73.5	5.8	134602	5.6	39.2	4.8
	134565	3.2	60.8	4.8	134603	2.6	62.4	6.5

APPENDIX II (5)

URINARY FLUORIDE DATA ON RATS
FED FREON® 12 FOR SIX MONTHS

% in Diet	MALES Rat No.	µg F-ml	µg F-day	µg F-mg Creat.	FEMALES Rat No.	µg F-ml	µg F-day	µg F-mg Creat.
	134260	5.0	110.0	8.1	134304	5.4	43.2	5.2
	134261	6.4	89.6	5.9	134305	6.6	33.0	5.1
	134262	5.3	100.7	7.0	134306	6.8	47.6	7.6
	134263	3.4	68.0	6.1	134307	6.5	39.0	6.5
0	134266	5.3	90.1	4.9	134308	7.4	74.0	10.3
	134267	5.6	61.6	3.9	134309	5.8	75.4	9.1
	134268	9.4	65.8	4.4	134310	3.0	60.0	8.3
	134269	6.4	64.0	4.4	134311	6.0	36.0	6.4
	134270	5.6	72.8	5.0	134314	4.9	58.8	7.2
	134271	8.3	74.7	5.5	134315	4.3	68.8	6.5
	134360	5.4	108.0	5.9	134404	4.9	58.8	6.6
	134361	3.6	64.8	4.1	134405	4.3	55.9	7.7
	134362	5.3	90.1	4.8	134406	8.4	75.6	8.9
	134363	7.5	75.0	5.7	134407	7.3	36.5	6.6
0	134364	5.5	77.0	5.2	134408	9.8	58.8	8.9
	134365	5.6	56.0	3.7	134409	5.4	64.8	8.4
	134366	5.8	75.4	5.3	134412	5.9	47.2	6.9
	134367	3.6	82.8	4.9	134413	5.0	15.0	3.3
	134368	6.5	91.0	5.3	134414	10.0	40.0	6.0
	134369	10.5	63.0	4.3	134415	13.0	52.0	7.4
	134460	4.9	83.3	5.7	134504	6.3	63.0	9.3
	134461	6.0	60.0	4.1	134505	7.4	59.2	7.0
	134462	3.7	40.7	3.4	134506	2.8	36.4	2.8
	134463	2.1	33.6	2.6	134507	4.3	17.2	4.0
Low	134464	6.3	50.4	4.7	134508	3.9	58.5	7.8
Level	134465	5.4	43.2	3.8	134509	4.5	72.0	9.0
	134466	6.2	111.6	7.9	134510	5.1	35.7	5.3
	134467	6.2	68.2	4.4	134511	3.7	40.7	7.4
	134470	7.2	79.2	6.2	134512	5.1	76.5	8.8
	134471	4.8	76.8	5.0	134513	3.2	44.8	5.2
	134560	6.8	68.0	5.5	134604	2.7	21.6	3.6
	134561	5.0	70.0	4.5	134605	4.5	36.0	6.1
	134562	4.5	67.5	3.8	134606	2.8	33.6	5.4
	134563	7.4	74.0	4.7	134607	4.4	57.2	7.3
High	134564	4.5	58.5	3.9	134608	3.9	42.9	7.5
Level	134565	5.5	71.5	4.7	134609	9.2	36.8	6.3
	134566	4.8	67.2	5.2	134610	7.3	43.8	5.9
	134567	4.6	46.0	4.0	134611	5.0	45.0	6.8
	134568	7.8	39.0	4.3	134612	3.8	49.4	6.1
	134569	5.8	63.8	4.3	134613	3.7	51.8	7.4

APPENDIX II (6)

URINARY FLUORIDE DATA ON RATS
FED FREON® 12 FOR NINE MONTHS

	MALES				FEMALES			
% in Diet	Rat No.	µg F-ml	µg F-day	µg F-mg Creat.	Rat No.	µg F-ml	µg F-day	µg F-mg Creat.
	134272	5.4	81.0	4.5	134322	2.4	60.0	4.9
	134273	6.0	72.0	4.4	134323	2.9	43.5	4.6
	134276	6.7	73.7	4.6	134326	1.2	22.8	2.4
	134277	8.0	72.0	4.4	134327	3.0	51.0	4.3
0	134280	7.8	70.2	5.0	134330	5.1	45.9	5.2
	134281	4.8	91.2	5.0	134331	7.8	85.8	7.7
	134284	7.5	67.5	4.2	134336	3.1	43.4	4.0
	134285	9.5	57.0	3.8	134337	4.7	70.5	7.5
	134288	8.4	67.2	4.5	134340	4.3	34.4	3.9
	134289	4.6	82.8	4.8	134341	2.6	33.8	3.8
	134372	5.4	70.2	3.8	134420	2.9	26.1	4.1
	134373	5.5	55.0	3.2	134421	4.9	29.4	4.6
	134376	3.0	60.0	3.5	134426	2.1	65.1	5.0
	134377	7.2	57.6	3.9	134427	3.4	40.8	4.5
0	134380	5.1	71.4	4.3	134430	5.4	32.4	5.1
	134381	11.5	92.0	6.4	134431	6.2	68.2	8.6
	134384	6.4	83.2	4.9	134436	3.6	39.6	5.3
	134385	2.2	41.8	2.5	134437	4.5	31.5	4.2
	134388	6.8	74.8	5.7	134440	4.2	29.4	4.5
	134389	6.0	72.0	4.8	134441	3.3	66.0	5.8
	134472	7.3	87.6	5.2	134522	5.7	34.2	5.0
	134473	9.5	57.0	4.2	134523	4.4	48.4	5.6
	134476	7.0	98.0	5.6	134526	3.6	54.0	5.3
	134477	5.1	66.3	4.4	134527	3.3	46.2	4.3
Low	134480	5.8	87.0	5.0	134530	2.2	35.2	4.1
Level	134481	5.9	112.1	6.5	134531	4.9	49.0	5.3
	134484	6.2	124.0	6.6	134536	7.4	44.4	7.2
	134485	8.9	89.0	5.2	134537	5.5	60.5	7.0
	134488	3.7	33.3	2.4	134540	6.6	39.6	5.6
	134489	4.3	55.9	3.8	134541	6.8	54.4	6.4
	134572	6.4	89.6	5.0	134622	5.0	70.0	6.7
	134573	4.0	60.0	2.9	134623	5.6	67.2	6.4
	134576	7.1	99.4	6.0	134626	2.9	49.3	5.3
	134577	5.0	65.0	4.0	134627	2.1	60.9	5.3
High	134580	5.4	102.6	6.4	134630	4.8	43.2	5.7
Level	134581	7.6	76.0	5.8	134631	4.1	57.4	6.5
	134584	6.8	95.2	5.6	134636	-	-	-
	134585	6.3	81.9	4.3	134637	-	-	-
	134588	9.0	81.0	5.2	134640	2.6	33.8	3.9
	134589	6.1	103.7	5.4	134641	6.2	74.4	7.2

APPENDIX II (7)

URINARY FLUORIDE DATA ON RATS
FED FREON® 12 FOR TWELVE MONTHS

	MALES				FEMALES			
% in Diet	Rat No.	µg F-ml	µg F-day	µg F-mg Creat.	Rat No.	µg F-ml	µg F-day	µg F-mg Creat.
	134250	5.8	34.8	2.3	134294	4.0	28.0	3.0
	134251	7.6	38.0	3.0	134295	10.2	40.8	4.1
	134254	7.6	45.6	3.3	134296	4.2	29.4	4.3
	134255	7.1	49.7	3.6	134297	3.5	52.5	4.0
0	134256	6.8	54.4	3.2	134300	7.8	31.2	4.6
	134257	7.6	38.0	3.0	134301	9.6	67.2	8.4
	134260	2.9	52.2	2.8	134302	6.2	37.2	4.5
	134261	7.6	76.0	4.5	134303	4.4	44.0	4.8
	134262	6.8	61.2	4.4	134304	4.8	62.4	5.8
	134263	2.7	37.8	3.1	134305	5.4	32.4	3.8
	134358	3.1	52.7	2.6	134398	5.6	67.2	6.7
	134359	2.4	40.8	2.1	134399	6.2	49.6	6.3
	134360	2.9	49.3	2.3	134396	1.3	6.5	1.1
	134361	2.8	36.4	2.0	134397	4.6	55.2	6.3
0	134362	7.1	49.7	2.8	134400	5.0	55.0	5.6
	134363	6.8	54.4	3.3	134401	7.0	49.0	5.5
	134364	7.6	68.4	3.9	134402	9.0	45.0	4.9
	134365	2.9	52.2	2.5	134403	6.6	39.6	4.5
	134368	4.3	94.6	4.2	134406	7.4	59.2	6.4
	134369	6.0	48.0	3.4	134407	9.5	28.5	4.5
	134454	6.2	43.4	3.4	134494	5.4	37.8	4.5
	134455	3.9	58.5	3.2	134495	7.8	46.8	4.5
	134456	5.9	64.9	4.2	134496	8.2	82.0	7.1
	134457	3.1	46.5	2.6	134497	7.8	85.8	6.0
Low	134458	2.0	34.0	2.1	134500	3.5	35.0	3.9
Level	134459	4.1	45.1	3.1	134501	1.6	46.4	3.3
	134464	3.3	42.9	3.2	134502	2.4	60.0	4.8
	134465	2.9	34.8	2.3	134503	3.2	76.8	5.2
	134466	4.3	60.2	3.7	134504	6.2	62.0	6.1
	134467	4.8	67.2	4.0	134505	4.0	36.0	3.8
	134554	3.8	41.8	2.9	134594	5.6	67.2	5.3
	134555	2.9	66.7	3.9	134595	3.9	46.8	4.5
	134556	2.2	26.4	1.9	134596	4.8	33.6	3.6
	134557	3.8	45.6	2.9	134597	6.6	99.0	7.7
High	134562	4.8	57.6	3.2	134598	3.9	39.0	3.7
Level	134563	6.6	66.0	3.6	134599	3.5	56.0	4.5
	134564	4.3	55.9	3.6	134600	4.8	76.8	5.2
	134565	4.0	56.0	3.3	134601	2.2	33.0	2.2
	134566	4.0	60.0	3.8	134602	4.8	24.0	2.4
	134567	4.6	41.4	3.1	134603	3.2	32.0	3.5

APPENDIX II (8)

URINARY FLUORIDE DATA ON RATS
FED FREON® 12 FOR FIFTEEN MONTHS

	MALES				FEMALES			
% in Diet	Rat No.	µg F-ml	µg F-day	µg F-mg Creat.	Rat No.	µg F-ml	µg F-day	µg F-mg Creat.
	134244	6.9	62.1	3.0	134320	7.6	15.2	2.8
	134245	8.2	114.8	5.8	134321	6.4	83.2	6.1
	134270	6.9	96.6	5.8	134322	3.3	66.0	6.2
	134271	10.1	121.2	7.5	134323	4.0	60.0	5.4
0	134272	1.9	76.0	3.8	134324	5.6	50.4	6.7
	134273	7.8	78.0	5.2	134325	3.5	35.0	4.0
	134276	9.6	124.8	6.7	134326	2.4	55.2	5.0
	134277	10.2	112.2	6.4	134327	5.8	29.0	3.7
	134280	4.4	149.6	8.0	134328	4.4	44.0	5.1
	134281	6.8	142.8	7.7	134329	4.3	55.9	6.5
	134354	8.8	114.4	5.5	134428	2.3	23.0	3.0
	134355	8.6	163.4	9.2	134429	3.7	37.0	4.9
	134358	6.8	156.4	8.0	134430	4.5	54.0	5.4
	134359	6.9	96.6	5.2	134431	4.7	70.5	8.0
0	134360	8.6	120.4	6.9	134434	7.0	49.0	6.2
	134361	7.2	115.2	5.9	134435	5.7	62.7	7.4
	134366	8.0	104.0	6.0	134436	4.0	52.0	6.7
	134367	4.9	98.0	4.7	134437	6.4	44.8	5.9
	134374	7.2	115.2	6.7	134438	8.0	16.0	3.9
	134375	7.0	98.0	5.5	134439	5.3	47.7	5.5
	134470	9.4	122.2	7.6	134520	5.6	56.0	5.8
	134471	5.9	106.2	7.2	134521	7.2	28.8	4.2
	134472	9.9	138.6	7.1	134522	7.0	70.0	8.3
	134473	8.8	79.2	5.4	134523	7.6	60.8	7.8
	134474	10.0	100.0	6.3	134524	5.3	68.9	7.7
Low	134475	8.0	80.0	5.7	134525	2.0	52.0	5.3
Level	134476	7.8	78.0	5.0	134526	5.4	91.8	9.5
	134477	9.0	108.0	6.8	134527	5.1	117.3	10.0
	134480	7.7	100.1	6.1	134532	3.7	62.9	5.3
	134481	7.8	156.0	8.6	134533	4.2	21.0	3.3
	134572	5.0	115.0	5.9	134620	5.5	55.0	6.6
	134573	4.7	103.4	4.8	134621	7.2	57.6	7.3
	134574	10.1	101.0	6.0	134622	6.2	80.6	6.7
	134575	6.9	110.4	6.6	134623	4.6	59.8	5.6
High	134576	10.1	171.7	10.0	134624	2.6	101.4	8.1
Level	134577	9.4	103.4	7.7	134625	5.5	33.0	5.0
	134580	4.8	105.6	7.2	134628	4.2	37.8	5.7
	134581	9.9	49.5	5.1	134629	4.9	68.6	6.4
	134584	10.3	133.9	8.7	134630	5.5	55.0	8.3
	134585	7.0	98.0	5.7	134631	3.5	70.0	7.6

APPENDIX II (9)

URINARY FLUORIDE DATA ON RATS
FED FREON® 12 FOR EIGHTEEN MONTHS

	MALES				FEMALES			
% in Diet	Rat No.	µg F-ml	µg F-day	µg F-mg Creat.	Rat No.	µg F-ml	µg F-day	µg F-mg Creat.
	134244	4.0	56.0	2.9	134304	3.0	51.0	3.6
	134245	3.6	61.2	3.1	134305	4.8	43.2	4.4
	134250	4.9	44.1	2.8	134322	2.4	12.0	1.5
	134251	4.7	42.3	2.6	134323	3.9	58.5	4.9
0	134262	4.5	67.5	4.2	134324	6.0	72.0	7.1
	134263	4.9	88.2	6.6	134325	3.9	93.6	7.0
	134270	3.7	70.3	4.2	134328	3.5	42.0	4.1
	134271	5.6	84.0	4.7	134329	3.7	81.4	7.0
	134288	-	-	-	134330	5.3	74.2	5.7
	134289	3.7	55.5	2.8	134331	5.5	71.5	6.3
	134358	4.7	70.5	4.0	134428	4.3	34.4	3.9
	134359	3.7	59.2	2.9	134429	3.0	48.0	4.8
	134360	3.6	57.6	3.0	134430	4.2	25.2	3.1
	134361	2.6	46.8	2.5	134431	2.8	39.2	4.4
0	134362	4.2	33.6	2.7	134434	-	-	-
	134363	3.7	70.3	3.6	134435	-	-	-
	134364	3.8	53.2	3.4	134436	5.8	46.4	5.1
	134365	4.0	48.0	2.5	134437	5.7	34.2	3.4
	134368	3.0	87.0	4.2	134438	5.7	28.5	4.6
	134369	6.0	84.0	5.0	134439	5.0	50.0	6.1
	134448	4.8	43.2	2.9	134514	5.8	63.8	5.9
	134449	6.6	46.2	3.7	134515	3.9	35.1	4.3
	134454	5.8	34.8	2.8	134516	6.0	66.0	5.9
	134455	5.5	44.0	3.8	134517	1.7	17.0	1.7
Low	134456	4.2	46.2	3.8	134518	4.2	58.8	7.9
Level	134457	4.5	58.5	3.6	134519	-	-	-
	134458	3.6	50.4	3.3	134522	-	-	-
	134459	5.0	35.0	2.9	134523	6.2	74.4	8.3
	134464	5.4	59.4	4.7	134524	6.6	59.4	7.2
	134465	7.8	62.4	5.1	134525	1.8	46.8	3.8
	134572	3.9	54.6	3.0	134616	-	-	-
	134573	3.7	44.4	2.5	134617	6.4	57.6	5.7
	134574	9.8	58.8	3.5	134618	8.0	48.0	5.7
	134575	5.6	39.2	2.4	134619	5.7	45.6	5.5
High	134576	4.4	74.8	4.4	134620	-	-	-
Level	134577	6.0	54.0	3.8	134621	-	-	-
	134580	4.9	73.5	4.9	134622	4.2	84.0	5.8
	134581	6.3	44.1	3.6	134623	4.1	28.7	3.9
	134584	2.5	45.0	2.7	134624	2.5	67.5	5.7
	134585	4.0	52.0	2.7	134625	2.9	43.5	3.8

APPENDIX II (10)

URINARY FLUORIDE DATA ON RATS
FED FREON® 12 FOR TWENTY-ONE MONTHS

	MALES				FEMALES			
% in Diet	Rat No.	µg F-ml	µg F-day	µg F-mg Creat.	Rat No.	µg F-ml	µg F-day	µg F-mg Creat.
	134246	9.4	103.4	7.2	134294	5.4	75.6	6.6
	134247	8.2	164.0	10.1	134295	-	-	-
	134252	6.6	99.0	6.7	134296	2.9	58.0	5.7
	134253	9.7	67.9	5.8	134297	3.9	74.1	6.0
0	134258	9.6	153.6	12.0	134304	3.1	71.3	5.5
	134259	9.4	65.8	4.8	134305	4.0	60.0	5.4
	134272	0.9	36.9	2.4	134306	4.2	37.8	4.2
	134273	10.1	101.0	7.7	134307	6.3	63.0	7.2
	134282	6.0	90.0	6.9	134316	2.8	56.0	6.1
	134283	6.6	118.8	7.1	134317	5.0	55.0	4.8
	134358	7.7	184.8	10.5	134400	2.9	43.5	4.2
	134359	4.7	108.1	6.4	134401	3.2	57.6	5.5
	134360	7.5	127.5	7.1	134411	4.2	37.8	3.5
	134361	5.0	105.0	5.8	134412	4.5	54.0	4.9
0	134362	1.8	90.0	4.6	134420	4.4	74.8	7.6
	134363	9.8	107.8	7.9	134421	4.1	57.4	5.3
	134366	5.6	100.8	6.0	134424	4.2	84.0	7.0
	134367	6.0	114.0	7.4	134425	5.2	57.2	5.4
	134374	10.1	121.2	7.7	134442	3.4	81.6	7.7
	134375	7.8	85.8	5.5	134443	4.2	63.0	6.0
	134446	9.7	106.7	8.2	134506	1.6	51.2	5.2
	134447	7.9	86.9	6.5	134507	2.9	60.9	7.3
	134462	6.5	149.5	13.5	134512	7.3	87.6	16.6
	134463	5.6	123.2	8.2	134513	6.2	86.8	7.9
Low	134472	6.8	115.6	7.9	134532	1.8	72.0	5.0
Level	134473	10.4	52.0	4.6	134533	5.7	68.4	7.5
	134476	5.8	69.6	5.1	134536	6.6	39.6	5.3
	134477	9.1	127.4	8.7	134537	5.0	55.0	7.1
	134480	9.8	88.2	6.3	134542	4.1	61.5	5.6
	134481	10.0	110.0	9.5	134543	5.2	72.8	6.2
	134544	10.1	121.2	8.1	134602	6.0	48.0	5.3
	134545	10.3	113.3	7.5	134603	2.8	75.6	5.7
	134546	8.6	154.8	8.3	134608	0.9	59.4	4.7
	134547	10.4	72.8	6.6	134609	7.0	42.0	6.1
High	134554	10.6	53.0	5.1	134622	5.0	85.0	6.9
Level	134555	10.5	84.0	6.8	134623	4.1	77.9	5.8
	134562	10.2	91.8	6.1	134632	7.0	105.0	9.7
	134563	9.7	174.6	11.7	134633	6.4	76.8	7.9
	134568	10.3	82.4	7.3	134636	10.0	60.0	6.8
	134569	7.5	135.0	8.4	134637	8.4	42.0	6.3

APPENDIX II (11)

URINARY FLUORIDE DATA ON RATS FED FREON® 12 FOR TWENTY-FOUR MONTHS

% in Diet	MALES Rat No.	µg F-ml	µg F-day	µg F-mg Creat.	FEMALES Rat No.	µg F-ml	µg F-day	µg F-mg Creat.
	134244	4.0	100.0	5.6	134294	5.0	95.0	6.9
	134245	8.4	50.4	4.1	134296	6.0	120.0	12.5
	134246	8.2	16.4	3.5	134297	2.6	70.2	4.6
	134247	7.0	56.0	5.1	134300	10.1	101.0	10.4
0	134249	6.0	60.0	4.2	134304	4.0	104.0	7.4
	134250	8.2	41.0	3.9	134305	5.6	89.6	8.2
	134251	-	-	-	134306	6.2	93.0	9.7
	134252	4.7	75.2	4.9	134307	6.4	70.4	8.0
	134253	7.0	77.0	6.0	134308	7.7	77.0	10.4
	134255	8.8	96.8	9.2	134311	10.2	81.6	8.2
	134349	3.1	37.2	3.0	134397	4.7	98.7	10.0
	134350	-	-	-	134400	5.2	67.6	7.4
	134355	7.5	22.5	4.6	134401	-	-	-
	134357	8.8	70.4	6.8	134402	Not enough sample		
0	134358	4.7	37.6	3.7	134403	7.7	53.9	7.4
	134359	4.8	67.2	4.4	134404	4.7	47.0	5.9
	134360	4.6	87.4	5.0	134411	6.0	78.0	7.0
	134361	4.5	54.0	3.8	134414	7.0	56.0	6.3
	134362	0.8	22.4	1.4	134415	9.2	147.2	12.4
	134363	7.1	35.5	3.8	134419	5.1	86.7	8.2
	134446	4.7	89.3	6.0	134502	4.5	94.5	10.2
	134447	7.4	29.6	4.1	134504	6.0	48.0	7.0
	134448	7.1	92.3	7.4	134505	2.8	42.0	5.0
	134449	5.9	70.8	6.0	134506	Not enough sample		
Low	134454	9.0	72.0	7.6	134507	7.7	123.2	14.8
Level	134455	10.0	50.0	6.7	134511	4.2	46.2	6.8
	134456	9.3	83.7	8.0	134513	8.0	112.0	10.8
	134458	5.6	123.2	8.5	134514	10.2	71.4	8.2
	134459	5.5	88.0	9.8	134515	6.2	86.8	9.1
	134468	1.3	13.0	1.2	134517	6.2	74.4	7.8
	134545	6.5	110.5	7.2	134602	3.5	28.0	3.6
	134546	6.1	140.3	8.0	134603	-	-	-
	134547	7.1	63.9	6.5	134604	7.0	63.0	7.4
	134548	4.2	33.6	4.3	134605	5.2	57.2	7.6
High	134550	10.1	40.4	4.7	134606	5.3	47.7	5.6
Level	134551	7.1	63.9	5.6	134607	6.2	80.6	7.8
	134552	9.0	153.0	11.0	134608	3.0	72.0	7.9
	134554	10.1	50.5	8.0	134609	7.4	88.8	9.0
	134555	5.9	112.1	7.6	134610	5.5	38.5	4.7
	134561	6.2	62.0	5.1	134611	Not enough sample		

APPENDIX III

APPENDIX III (1)

ORGAN WEIGHTS IN GRAMS OF INDIVIDUAL MALE RATS
SACRIFICED AT ONE YEAR

Group	Rat Number	Days on Test	Body Weight	Brain	Heart	Lungs	Liver	Spleen	Kidneys	Pituitary	Stomach	Adrenals	Testes
	134260	371	714	2.50	2.49	3.94	19.07	0.69	4.30	0.013	0.09	0.070	4.92
I	134261	371	763	3.16	2.68	4.04	19.56	1.76	4.97	0.015	3.36	0.075	5.20
(Control)	134264	371	537	2.88	2.03	3.08	13.58	0.93	3.71	0.013	2.54	0.046	4.21
	134274	371	751	2.48	1.94	3.92	18.90	0.91	4.21	0.013	2.31	0.064	3.69
	134278	371	679	2.35	1.53	2.97	16.47	0.93	3.24	0.013	2.57	0.062	4.05
	134279	371	662	2.23	1.29	2.95	13.44	0.90	3.41	0.012	2.89	0.070	3.62
	134347	372	646	2.26	1.63	5.06	14.49	0.72	3.31	0.015	2.59	0.069	2.95
III	134352	372	566	2.31	1.51	4.12	15.03	1.25	3.63	0.016	2.05	0.066	3.37
(Control)	134353	372	808	2.29	1.61	3.40	19.98	1.09	3.88	0.014	2.69	0.062	3.86
	134382	372	682	2.20	1.61	2.57	21.04	1.05	5.51	0.015	2.51	0.070	3.35
	134384	372	723	2.28	1.63	2.52	17.58	0.71	3.44	0.013	2.33	0.055	3.40
	134386	372	797	2.42	1.54	2.94	20.44	0.93	3.56	0.013	2.41	0.056	3.44
	134450	372	972	2.25	1.87	2.92	22.13	1.31	4.13	0.016	2.78	0.057	4.02
V	134452	372	463	2.13	2.06	3.57	61.23	18.20	3.66	0.011	2.10	0.140	1.47
Low Level	134453	372	776	2.25	2.12	2.95	19.75	1.24	4.12	0.015	2.73	0.068	4.39
Freon® 12	134479	372	715	2.42	1.52	2.61	16.98	0.84	3.18	0.012	2.63	0.062	3.42
	134492	372	572	2.21	1.28	2.61	12.15	1.08	2.79	0.012	1.91	0.059	3.53
	134493	372	498	2.25	1.32	2.32	10.27	0.79	2.73	0.012	1.91	0.048	3.44
	134570	371	760	2.37	1.90	8.32	19.70	0.86	4.76	0.017	2.21	0.070	3.97
VII	134578	371	649	2.47	1.60	3.66	16.40	1.18	3.63	0.011	2.75	0.045	3.90
High Level	134579	371	733	2.37	1.66	3.36	19.72	1.17	3.27	0.011	2.55	0.054	3.40
Freon® 12	134582	371	712	2.42	1.68	2.73	17.98	1.05	3.77	0.009	2.69	0.061	4.04
	134592	371	728	2.18	1.49	2.88	17.87	0.85	3.30	0.013	2.42	0.048	3.62
	134593	371	859	1.92	1.48	2.86	19.16	0.71	4.00	0.018	2.36	0.060	3.96

APPENDIX III (2)

ORGAN WEIGHTS IN GRAMS OF INDIVIDUAL MALE RATS
SACRIFICED AT TWO YEARS

Group	Rat Number	Days on Test	Body Weight	Brain	Heart	Lungs	Liver	Spleen	Kidneys	Pituitary	Stomach	Adrenals	Thymus	Testes
	134244	744	1072	2.38	2.11	2.97	29.57	1.24	7.20	0.018	3.18	0.098	0.95	3.67
I	134245	744	746	2.35	1.70	3.13	13.21	0.70	4.50	0.017	2.14	0.112	0.44	2.98
(Control)	134246	744	662	2.42	1.90	3.40	19.01	0.61	4.63	0.018	2.17	0.076	0.28	3.20
	134249	744	667	2.32	2.38	3.08	17.03	1.26	4.60	0.016	2.65	0.070	0.70	2.73
	134250	744	792	2.37	2.10	3.09	20.61	1.34	5.67	0.018	2.50	0.068	0.66	3.76
	134251	744	894	2.28	1.61	2.44	19.21	0.88	4.04	0.012	2.77	0.060	0.71	3.91
	134252	744	798	2.48	2.14	3.05	23.10	0.81	5.00	0.018	2.53	0.078	0.60	3.35
	134253	744	843	2.62	1.82	2.97	21.90	1.12	4.89	0.018	2.85	0.084	0.75	4.04
	134255	744	661	2.39	1.97	2.96	19.44	1.21	4.88	0.015	2.31	0.080	0.86	3.48
	134257	744	795	2.39	2.27	2.95	19.75	1.04	4.47	0.015	2.88	0.090	0.69	2.97
	134258	744	833	2.23	1.89	2.95	21.69	1.05	5.02	0.052	2.60	0.082	0.79	2.80
	134259	744	1077	2.18	2.28	3.05	27.31	1.59	5.94	0.018	3.14	0.074	0.85	4.35
	134262	744	743	2.50	1.85	3.16	20.76	1.07	4.25	0.018	2.84	0.060	0.83	4.13
	134263	744	854	2.23	1.77	3.05	24.76	1.01	4.33	0.019	2.93	0.072	0.83	3.70
	134273	744	636	2.22	1.73	4.59	17.84	0.76	4.67	0.031	2.61	0.072	0.62	3.58
	134276	744	819	2.42	2.06	3.32	19.08	1.28	5.02	0.018	2.59	0.120	1.04	3.04
	134281	744	824	2.50	1.94	3.07	32.11	1.37	7.69	0.020	3.25	0.079	0.69	4.04
	134283	744	812	2.49	2.46	2.94	28.25	1.75	5.69	0.017	11.26	0.080	0.96	4.23
	134284	744	867	2.46	2.19	3.25	23.70	1.62	5.16	0.020	11.12	0.088	0.75	3.67
	134289	744	730	2.53	1.92	2.87	19.76	1.12	6.13	0.017	3.11	0.065	0.57	3.80

APPENDIX III (3)

ORGAN WEIGHTS IN GRAMS OF INDIVIDUAL MALE RATS SACRIFICED AT TWO YEARS

Group	Rat Number	Days on Test	Body Weight	Brain	Heart	Lungs	Liver	Spleen	Kidneys	Pituitary	Stomach	Adrenals	Thymus	Testes
	134349	738	673	2.43	2.32	3.34	24.59	1.19	11.89	0.019	3.02	0.096	0.71	3.92
III	134358	738	941	2.34	1.98	3.32	19.61	1.13	4.29	0.018	2.61	0.074	0.82	3.07
(Control)	134359	738	982	2.35	1.94	3.22	21.92	1.19	4.30	0.017	2.82	0.072	0.71	3.55
	134360	738	938	2.32	2.11	3.66	19.94	0.97	4.43	0.019	2.89	0.074	0.66	3.99
	134362	738	862	2.38	2.86	3.67	31.78	1.72	18.69	0.019	3.80	0.192	1.05	4.49
	134363	738	745	2.46	1.77	3.34	22.76	0.94	4.61	0.017	3.06	0.072	0.78	4.19
	134365	738	1012	2.49	2.38	3.24	29.31	1.41	6.32	0.022	3.50	0.102	0.92	4.61
	134366	738	690	2.47	1.97	3.86	17.84	1.00	11.74	0.017	2.76	0.072	0.79	4.32
	134367	738	955	2.53	2.40	3.82	25.42	1.22	5.21	0.015	3.09	0.090	1.41	4.25
	134374	738	626	2.30	1.73	3.48	13.91	0.80	3.62	0.018	2.47	0.052	1.85	3.15
	134375	738	805	2.40	2.01	3.16	22.14	1.34	4.75	0.018	2.49	0.082	0.88	3.35
	134377	738	829	2.41	2.00	3.05	18.33	0.90	4.64	0.018	2.77	0.070	0.72	3.35
	134379	738	912	2.54	1.80	3.24	18.90	0.99	4.77	0.032	2.81	0.074	0.71	3.65
	134380	738	895	2.65	1.89	3.62	22.88	1.15	5.24	0.019	2.99	0.072	0.62	3.79
	134388	738	900	2.50	1.73	3.49	19.80	0.67	4.39	0.022	3.34	0.070	0.68	3.31
	134390	738	579	2.33	1.77	10.23	11.98	0.83	3.55	0.017	2.37	0.081	0.59	3.25
	134392	738	750	2.47	1.71	3.66	23.09	1.11	4.39	0.019	3.01	0.072	0.84	2.85

APPENDIX III (4)

ORGAN WEIGHTS IN GRAMS OF INDIVIDUAL MALE RATS
SACRIFICED AT TWO YEARS

Group	Rat Number	Days on Test	Body Weight	Brain	Heart	Lungs	Liver	Spleen	Kidneys	Pituitary	Stomach	Adrenals	Thymus	Testes
	134447	749	731	2.34	1.82	5.53	18.48	0.77	4.05	0.018	2.40	0.090	1.00	4.08
V	134448	749	694	2.44	1.97	3.54	23.29	0.82	4.29	0.017	2.94	0.070	0.59	3.03
Low Level	134449	749	794	2.40	1.69	2.92	20.58	0.72	3.85	0.018	2.70	0.077	0.70	3.53
Freon® 12	134454	749	788	2.39	1.56	2.75	20.62	0.89	3.70	0.008	2.56	0.075	0.75	3.77
	134455	749	1074	2.33	1.76	3.32	21.71	0.90	4.26	0.017	3.15	0.081	1.03	4.54
	134456	749	963	2.43	1.90	3.08	21.59	0.94	4.60	0.014	2.86	0.075	0.84	3.86
	134458	749	832	2.32	1.73	3.11	19.61	0.99	3.66	0.018	3.06	0.058	1.10	3.85
	134459	749	745	2.38	1.81	3.13	17.51	0.96	3.95	0.016	2.70	0.063	0.58	3.95
	134460	749	794	2.27	1.62	2.78	17.18	0.87	3.28	0.015	2.89	0.	0.86	3.49
	134461	749	759	2.43	1.69	2.86	21.05	0.97	4.10	0.016	2.67	0.058	0.79	3.63
	134462	749	861	2.42	2.06	3.85	20.85	1.09	4.35	0.014	2.90	0.059	1.18	4.01
	134463	749	807	2.45	1.75	3.06	19.58	1.10	3.76	0.015	2.56	0.075	0.75	3.66
	134464	749	688	2.35	1.60	2.81	18.98	0.91	4.06	0.012	2.97	0.061	0.67	3.34
	134465	749	1100	2.50	1.88	3.14	24.37	0.88	4.72	0.011	3.10	0.119	0.89	3.86
	134466	749	951	2.34	1.80	3.37	25.94	1.18	4.82	0.018	3.33	0.105	0.86	4.32
	134467	749	857	2.46	1.98	3.21	21.29	0.89	4.60	0.015	3.16	0.072	0.69	3.83
	134468	749	817	2.55	1.86	3.12	23.48	1.06	5.20	0.030	2.92	0.085	0.70	3.81
	134472	749	985	2.45	1.77	3.40	18.78	0.77	4.32	0.019	3.30	0.075	0.70	2.96
	134473	749	999	2.35	1.62	2.67	15.65	0.99	3.54	0.016	3.19	0.077	0.48	4.48
	134474	750	880	2.34	1.87	2.98	21.00	1.06	4.39	0.017	2.81	0.068	0.76	3.87
	134475	750	904	2.49	1.98	3.04	20.38	0.94	4.62	0.020	2.95	0.086	0.61	2.83
	134476	750	963	2.46	2.08	3.17	21.56	1.09	5.00	0.027	3.20	0.073	0.86	3.56
	134480	750	1164	2.36	2.17	3.23	29.07	1.34	4.80	0.013	3.42	0.083	1.02	3.80
	134481	750	1160	2.36	1.90	3.24	26.91	1.32	4.91	0.014	3.03	0.069	0.93	3.63
	134482	750	1090	2.38	2.05	3.78	24.68	1.39	4.70	0.015	3.45	0.080	0.77	4.01
	134483	750	983	2.63	1.95	3.48	25.13	1.18	4.76	0.017	3.06	0.074	0.72	3.98
	134488	750	930	2.36	2.44	2.77	23.91	0.82	5.25	0.016	2.67	0.080	0.95	3.55
	134491	750	616	2.37	1.53	2.75	18.78	0.81	3.37	0.014	2.38	0.074	0.60	3.39

APPENDIX III (5)

ORGAN WEIGHTS IN GRAMS OF INDIVIDUAL MALE RATS
SACRIFICED AT TWO YEARS

Group	Rat Number	Days on Test	Body Weight	Brain	Heart	Lungs	Liver	Spleen	Kidneys	Pituitary	Stomach	Adrenals	Thymus	Testes
	134545	742	731	2.47	1.94	3.11	18.76	1.35	6.65	0.022	2.55	0.102	0.75	3.40
VII	134548	742	633	2.49	2.39	4.75	19.93	0.99	5.50	0.020	2.75	0.074	1.29	3.75
High Level	134550	742	862	2.51	2.04	3.51	23.89	1.26	5.36	0.019	2.88	0.060	1.21	2.69
Freon® 12	134551	742	821	2.51	1.90	3.34	20.50	0.84	5.48	0.031	3.02	0.072	0.68	3.43
	134552	742	774	2.41	1.94	2.97	24.90	0.89	5.48	0.049	2.96	0.097	0.69	3.74
	134554	742	728	2.40	1.74	2.76	21.95	0.85	4.31	0.019	2.82	0.058	0.85	3.39
	134555	742	874	2.70	2.21	3.26	25.79	1.49	5.46	0.022	2.87	0.068	0.91	3.41
	134556	742	956	2.58	1.71	3.03	21.30	1.10	4.57	0.028	2.87	0.080	0.68	4.48
	134557	742	904	2.49	2.08	2.82	24.09	1.75	5.31	0.016	3.11	0.078	0.82	4.02
	134561	742	865	2.72	2.07	3.30	23.19	1.35	5.90	0.020	3.05	0.098	0.62	4.49
	134562	742	682	2.58	1.92	3.36	20.43	0.92	5.74	0.018	2.88	0.080	0.41	3.69
	134563	742	656	2.60	2.52	3.67	23.78	3.20	6.12	0.060	3.41	0.111	0.67	3.48
	134564	742	952	2.52	2.01	3.08	25.22	1.19	4.96	0.030	3.27	0.096	0.78	3.70
	134566	742	878	3.10	2.09	3.19	24.06	1.06	4.36	0.018	3.16	0.044	0.99	3.69
	134567	742	882	2.40	1.90	3.01	26.81	1.17	4.52	0.018	3.25	0.070	1.19	3.72
	134568	742	803	2.53	1.86	3.09	22.72	0.96	4.11	0.018	2.82	0.068	0.98	3.16
	134572	742	932	2.45	2.79	3.52	26.66	1.58	7.52	0.022	3.10	0.464	0.88	2.90
	134573	742	637	2.20	3.28	3.78	14.46	0.75	3.57	0.012	3.00	0.056	1.12	3.62
	134574	742	747	2.49	1.95	2.91	23.89	1.00	5.34	0.018	2.70	0.064	0.54	4.07
	134576	742	792	2.38	1.89	3.22	19.54	1.22	3.92	0.022	2.89	0.054	0.57	3.78
	134577	742	673	2.43	1.66	3.45	19.74	1.23	4.93	0.029	3.11	0.068	0.52	3.59
	134580	742	712	2.42	1.77	4.56	20.37	1.34	4.65	0.018	3.60	0.084	1.14	3.48
	134586	742	675	2.46	1.93	3.39	14.92	0.77	4.28	0.250	2.70	0.072	0.68	3.68
	134587	742	914	2.44	1.92	3.24	19.33	1.21	4.97	0.020	3.25	0.084	0.70	3.71

APPENDIX III (6)

ORGAN WEIGHTS IN GRAMS OF INDIVIDUAL FEMALE RATS
SACRIFICED AT ONE YEAR

Group	Rat Number	Days on Test	Body Weight	Brain	Heart	Lungs	Liver	Spleen	Kidneys	Pituitary	Stomach	Adrenals
	134302	371	426	2.07	1.22	2.06	10.87	0.80	2.48	0.013	1.96	0.056
	134303	371	400	2.06	1.04	1.62	9.64	0.74	2.19	0.013	2.10	0.046
II	134298	371	420	2.14	1.08	1.97	12.54	0.70	2.30	0.020	1.79	0.060
(Control)	134314	371	382	2.17	0.95	2.61	11.48	0.67	2.59	0.018	1.29	0.071
	134342	371	523	2.34	1.36	2.45	14.29	0.83	2.60	0.031	2.19	0.059
	134343	371	416	2.16	1.24	1.99	12.82	0.97	2.64	0.025	2.20	0.067
	134394	374	505	2.09	1.14	2.39	15.74	0.85	2.66	0.014	1.69	0.062
	134395	374	441	1.99	1.10	1.84	13.12	0.52	2.72	0.016	2.06	0.043
IV	134406	374	614	1.98	1.37	2.29	18.42	0.88	2.74	0.018	1.99	0.059
(Control)	134407	374	518	2.10	1.19	2.25	12.77	0.84	2.31	0.015	2.01	0.066
	134416	374	451	2.16	1.19	1.89	10.66	0.47	2.19	0.217	1.77	0.076
	134417	374	573	2.10	1.28	2.07	16.04	0.85	2.49	0.016	2.23	0.072
	134496	374	495	2.20	1.36	2.02	14.37	0.70	2.71	0.020	2.12	0.063
VI	134497	374	601	2.08	1.50	2.04	14.69	0.95	2.99	0.011	2.42	0.069
Low Level	134498	374	692	2.14	1.61	2.36	16.44	0.98	3.04	0.018	2.30	0.068
Freon® 12	134499	374	640	2.14	1.43	2.20	19.53	1.54	3.07	0.026	2.68	0.080
	134530	374	468	2.04	1.09	2.45	12.40	0.68	1.95	0.022	2.01	0.072
	134531	374	555	2.07	1.28	2.26	12.02	0.85	2.37	0.019	2.42	0.052
VIII	134598	371	347	2.16	0.94	2.03	9.73	0.73	2.13	0.015	1.90	0.053
High Level	134599	371	382	2.07	1.04	1.84	11.30	0.70	2.04	0.014	1.94	0.070
Freon® 12	134600	371	507	2.19	1.17	2.34	13.92	0.83	2.47	0.017	2.07	0.070
	134601	371	424	2.15	1.00	1.90	11.92	0.53	2.53	0.024	2.14	0.060
	134626	371	423	2.18	1.10	2.50	13.92	0.71	2.46	0.018	2.06	0.067
	134627	371	480	2.11	1.60	1.88	12.36	0.78	2.20	0.031	2.28	0.072

APPENDIX III (7)

ORGAN WEIGHTS IN GRAMS OF INDIVIDUAL FEMALE RATS
SACRIFICED AT TWO YEARS

Group	Rat Number	Days on Test	Body Weight	Brain	Heart	Lungs	Liver	Spleen	Kidneys	Pituitary	Stomach	Adrenals	Thymus
	134294	745	519	2.27	1.27	2.17	16.11	0.86	3.59	0.021	2.00	0.070	0.39
	134296	745	358	2.08	1.12	1.92	11.41	0.69	2.84	0.418	2.02	0.102	0.36
	134297	745	602	2.32	1.66	2.44	17.76	2.56	3.94	0.060	2.56	0.096	0.43
	134300	745	602	2.13	1.45	2.12	17.00	0.84	3.41	0.022	1.98	0.072	0.63
	134304	745	661	2.04	1.64	2.37	19.86	0.97	4.06	0.042	2.49	0.081	0.87
	134305	745	602	2.27	1.82	2.49	19.78	0.90	5.04	0.022	2.48	0.102	0.57
	134306	745	663	2.19	1.34	2.24	22.04	0.75	3.48	0.022	1.98	0.114	0.56
II	134307	745	415	2.05	1.26	1.94	11.96	0.76	2.69	0.019	1.95	0.062	0.45
(Control)	134308	745	593	2.11	1.32	2.35	22.78	0.80	3.49	0.118	2.52	0.080	0.57
	134320	745	702	2.12	1.59	2.68	19.72	0.88	3.44	0.068	2.09	0.135	0.80
	134323	745	494	2.21	1.80	2.67	21.28	1.87	6.39	0.037	2.69	0.184	0.61
	134324	745	641	2.09	1.55	2.14	16.82	1.00	3.35	0.019	2.27	0.082	0.91
	134325	745	754	2.16	1.92	2.38	21.70	1.29	4.17	0.020	2.86	0.178	0.74
	134329	745	505	2.12	1.29	2.25	19.12	0.77	2.93	0.058	2.26	0.090	0.42
	134331	745	624	2.12	1.46	2.40	19.26	0.84	3.42	0.042	2.48	0.817	0.77
	134334	745	678	2.26	1.73	2.68	20.73	1.40	4.16	0.022	2.98	0.078	0.94
	134335	745	508	2.26	1.81	2.47	19.48	1.20	4.55	0.019	2.52	0.092	0.54
	134341	745	625	2.16	1.35	2.43	18.96	0.88	3.51	0.025	2.67	0.087	0.47

APPENDIX III (8)

ORGAN WEIGHTS IN GRAMS OF INDIVIDUAL FEMALE RATS SACRIFICED AT TWO YEARS

Group	Rat Number	Days on Test	Body Weight	Brain	Heart	Lungs	Liver	Spleen	Kidneys	Pituitary	Stomach	Adrenals	Thymus
	134397	741	612	2.18	1.61	2.49	20.95	0.93	4.46	0.019	2.54	0.072	0.86
	134400	741	469	2.19	1.28	1.88	14.08	0.83	2.98	0.184	1.87	0.079	0.52
	134402	741	514	2.50	1.20	2.48	18.08	0.94	3.39	0.021	1.82	0.082	0.47
	134403	741	502	2.39	1.54	2.30	15.25	0.77	3.49	0.042	2.39	0.079	0.77
	134404	741	423	2.13	1.84	2.71	16.05	1.43	3.68	0.024	2.46	0.551	1.31
	134411	741	638	2.20	1.44	2.19	14.92	0.76	2.84	0.026	2.55	0.056	0.75
IV	134414	741	670	2.41	1.66	2.85	22.40	1.38	4.25	0.100	2.65	0.122	0.64
(Control)	134415	741	634	2.30	1.82	3.00	20.94	4.07	4.14	0.468	2.57	0.198	0.49
	134419	741	416	2.30	1.36	2.39	12.74	0.69	3.05	0.024	2.13	0.082	0.52
	134420	741	483	2.20	1.20	1.94	12.58	0.68	3.10	0.017	1.84	0.068	0.63
	134421	741	645	2.34	1.55	2.47	18.00	0.93	3.99	0.023	2.49	0.082	0.82
	134423	741	592	2.29	1.36	2.11	23.97	0.81	3.48	0.022	2.04	0.102	0.42
	134425	741	587	2.28	1.74	2.34	16.05	1.61	3.58	0.021	1.92	0.098	0.51
	134430	741	587	2.17	1.48	2.26	21.42	1.20	3.93	0.260	2.27	0.100	0.55
	134431	741	479	2.29	1.40	2.20	14.70	0.67	3.46	0.022	2.43	0.160	0.60
	134433	741	743	2.18	1.48	2.50	21.82	1.21	3.45	0.020	2.12	0.100	0.69
	134434	741	465	2.20	1.42	2.22	17.54	0.95	7.82	0.084	2.59	0.074	0.72
	134436	741	461	2.18	1.56	2.38	15.53	0.95	3.21	0.200	2.97	0.087	0.71
	134437	741	578	2.17	1.81	2.46	19.96	4.09	3.68	0.031	2.47	0.099	0.48
	134438	741	543	2.28	1.60	2.68	20.17	1.76	3.54	0.018	2.26	0.062	0.75
	134440	741	538	2.29	1.41	2.54	21.20	1.06	3.10	0.018	2.29	0.199	0.67
	134441	741	656	2.26	1.32	2.34	23.83	1.44	4.24	0.048	2.98	0.054	1.32
	134442	741	315	2.21	1.27	2.26	10.01	0.69	2.90	0.064	2.15	0.120	0.62
	134443	741	637	2.45	1.59	2.27	21.60	0.96	4.16	0.081	2.46	0.110	0.88

APPENDIX III (9)

ORGAN WEIGHTS IN GRAMS OF INDIVIDUAL FEMALE RATS SACRIFICED AT TWO YEARS

Group	Rat Number	Days on Test	Body Weight	Brain	Heart	Lungs	Liver	Spleen	Kidneys	Pituitary	Stomach	Adrenals	Thymus
	134502	748	491	2.07	1.23	2.35	16.28	0.60	2.87	0.076	2.53	0.070	0.58
	134504	748	569	2.11	1.23	2.22	14.32	0.69	2.67	0.033	2.40	0.078	0.69
	134505	748	591	2.11	1.24	2.47	12.96	0.84	3.55	0.034	2.41	0.065	0.69
	134511	748	546	2.14	1.19	1.87	14.63	0.70	2.99	0.013	2.02	0.062	0.72
	134513	748	502	2.29	1.47	2.20	16.68	0.94	3.36	0.016	2.89	0.096	0.72
VI	134514	748	490	2.10	1.41	1.94	16.52	1.19	3.17	0.063	2.20	0.049	0.28
Low Level	134515	748	375	2.33	0.99	1.82	14.60	0.67	2.73	0.131	1.97	0.103	0.41
Freon® 12	134517	748	634	2.16	1.27	1.99	21.04	0.71	3.40	0.157	2.02	0.073	0.52
	134519	748	680	2.05	1.39	3.12	23.08	0.71	3.58	0.121	2.94	0.085	0.54
	134523	748	656	2.22	1.33	2.34	22.53	1.03	3.40	0.073	2.50	0.580	0.72
	134524	748	389	2.12	1.13	2.37	16.63	0.81	3.19	0.047	2.72	0.066	0.57
	134527	748	473	2.50	1.93	2.68	23.34	1.09	8.36	0.084	2.91	0.260	0.40
	134532	748	909	2.15	1.48	2.52	18.92	0.85	3.50	0.044	2.96	0.080	0.91
	134533	748	588	2.20	1.34	3.02	13.47	0.68	2.97	0.049	2.44	0.059	0.55
	134535	748	517	2.14	1.25	2.27	14.28	0.96	2.91	0.082	3.06	0.099	0.47
	134536	748	546	2.17	1.20	2.14	14.51	0.72	2.74	0.019	2.24	0.100	0.69
	134538	748	512	2.12	1.38	2.14	15.41	0.80	3.07	0.029	3.17	0.100	0.68
	134539	748	395	2.25	1.36	2.18	13.86	0.68	3.15	0.018	2.38	0.075	0.35
	134540	748	446	2.08	1.20	2.10	13.87	0.66	2.82	0.033	2.56	0.068	0.64
	134541	748	501	2.21	1.24	2.22	14.50	0.58	3.07	0.022	2.52	0.060	0.43
	134542	748	694	2.09	1.62	2.71	21.65	0.94	3.68	0.034	2.33	0.079	0.60
	134543	748	701	2.23	1.54	2.74	21.16	0.94	3.59	0.090	2.50	0.080	0.89

APPENDIX III (10)

ORGAN WEIGHTS IN GRAMS OF INDIVIDUAL FEMALE RATS
SACRIFICED AT TWO YEARS

Group	Rat Number	Days on Test	Body Weight	Brain	Heart	Lungs	Liver	Spleen	Kidneys	Pituitary	Stomach	Adrenals	Thymus
	134597	743	512	2.16	1.50	2.81	19.96	0.83	3.99	0.060	2.55	0.096	0.66
	134604	743	384	2.24	1.34	3.11	11.77	0.59	2.87	0.020	1.89	0.066	0.52
	134605	743	455	2.07	1.27	3.28	20.45	0.58	2.89	0.038	1.96	0.081	0.64
	134606	743	593	2.12	1.26	2.10	21.30	0.64	3.14	0.122	1.94	0.114	0.41
	134607	743	552	2.23	1.23	2.00	19.01	0.59	3.48	0.018	2.36	0.070	0.50
	134608	743	348	2.15	1.07	1.65	10.43	0.44	2.32	0.044	1.86	0.072	0.44
	134609	743	414	2.22	1.10	1.88	12.98	0.52	2.90	0.017	1.98	0.054	0.42
	134610	743	512	2.12	1.28	2.26	18.85	0.78	3.05	0.021	1.88	0.106	0.46
	134612	743	363	2.20	1.22	2.13	12.31	0.67	3.13	0.024	2.15	0.102	0.47
VIII	134617	743	472	2.25	1.44	2.38	14.70	0.93	3.30	0.020	2.11	0.076	0.50
High Level	134618	743	544	2.17	1.36	2.23	18.65	0.82	2.61	0.018	2.15	0.052	0.66
Freon® 12	134619	743	595	2.19	1.18	2.76	22.13	0.64	3.37	0.019	2.15	0.112	0.78
	134621	743	541	2.29	1.26	2.37	17.31	0.66	2.89	0.018	2.65	0.064	0.73
	134624	743	520	2.22	1.24	2.52	18.30	0.74	3.46	0.022	2.40	0.110	0.49
	134630	743	245	2.02	0.98	1.84	12.18	0.35	3.07	0.202	2.19	0.132	0.31
	134632	743	446	2.20	1.34	2.78	13.30	0.86	3.08	0.022	2.47	0.076	0.60
	134633	743	478	2.23	1.29	2.23	16.27	0.66	3.13	0.020	2.58	0.120	0.56
	134634	743	582	2.37	1.74	2.75	20.15	1.08	4.69	0.018	2.44	0.082	0.54
	134635	743	465	2.21	1.29	2.57	13.07	0.67	3.03	0.016	2.25	0.200	0.49
	134638	743	406	2.21	1.53	2.43	12.65	0.65	2.97	0.066	2.07	0.130	0.67

APPENDIX IV

APPENDIX IV (1)

BODY WEIGHTS OF INDIVIDUAL MALE DOGS FED FREON® 12 (VIA GAINESBURGERS)

Group	Dog No.	Weekly Weight in Kilograms												
		0	1	2	3	4	5	6	7	8	9	10	11	12
	1101	11.0	10.5	9.9	9.9	10.0	9.8	10.0	9.9	9.9	9.9	10.1	10.0	9.9
I	1104	12.6	12.1	11.8	11.5	11.4	11.4	11.5	11.4	11.8	11.9	11.9	12.0	12.3
Control	1107	13.6	13.8	13.4	13.0	13.3	13.0	13.0	13.0	13.1	13.4	13.4	13.3	13.5
	1110	11.7	12.0	12.0	11.9	11.6	11.2	11.3	11.3	11.4	11.2	11.3	11.4	11.5
	1099	12.9	12.6	12.2	11.7	11.6	11.8	11.6	11.7	11.7	11.7	11.7	11.8	11.9
II	1103	10.9	11.0	10.7	10.1	10.3	9.9	10.0	10.1	10.1	10.2	9.8	9.9	10.2
Low Level	1106	13.0	13.0	12.8	12.5	12.8	12.9	12.8	13.0	13.2	13.2	13.1	13.2	13.4
Freon® 12	1109	9.9	9.6	9.4	9.0	9.2	9.3	9.3	9.4	9.4	9.5	9.5	9.6	9.9
	1100	12.8	12.1	11.8	11.5	11.7	11.6	11.8	11.8	12.0	12.0	12.0	12.2	12.0
III	1191	9.8	9.7	9.4	9.7	10.0	10.2	10.3	10.6	10.6	10.7	10.8	10.9	11.1
High Level	1105	15.8	14.6	14.4	14.2	14.4	14.2	14.1	14.0	14.4	14.6	14.6	14.7	14.9
Freon® 12	1108	12.1	12.3	12.2	12.0	11.9	11.7	11.6	11.6	11.5	11.6	11.6	11.5	11.6

APPENDIX IV (2)

BODY WEIGHTS OF INDIVIDUAL MALE DOGS FED FREON® 12 (VIA GAINESBURGERS)

Group	Dog No.	Weekly Weights in Kilograms													
		13	14	15	16	17	18	19	20	21	22	23	24	25	26
I Control	1101	10.0	10.0	10.1	10.2	10.1	9.8	10.1	9.8	9.8	9.4	9.8	9.6	9.6	9.6
	1104	12.2	12.4	12.3	12.2	12.1	12.1	12.2	12.1	12.4	12.4	12.2	12.2	12.3	12.2
	1107	13.4	13.4	13.3	13.3	13.3	13.2	13.0	12.9	12.8	12.8	12.8	12.8	12.8	12.8
	1110	11.4	11.4	11.4	11.3	11.4	11.4	11.4	11.3	11.2	11.2	11.2	11.2	11.1	10.9
II Low Level Freon® 12	1099	11.3	11.2	11.2	10.9	11.0	11.0	11.1	10.9	11.1	10.8	10.9	10.8	10.8	10.8
	1103	9.7	9.7	10.0	9.9	10.1	9.8	9.8	9.6	9.8	9.6	9.8	9.4	9.3	9.4
	1106	13.2	13.3	13.3	13.3	13.2	13.4	13.4	13.3	13.4	13.3	13.2	13.4	13.2	13.3
	1109	9.6	9.7	9.6	9.6	9.3	9.4	9.6	9.4	9.4	9.4	9.3	9.6	9.4	9.3
III High Level Freon® 12	1100	12.0	12.1	12.2	12.1	12.1	12.0	12.0	12.0	12.0	11.7	11.7	11.7	11.6	11.7
	1191	11.2	11.4	11.4	11.4	11.6	11.8	11.6	12.0	12.0	12.0	11.8	11.9	11.8	12.0
	1105	14.9	14.8	14.8	14.7	14.8	14.6	14.4	14.4	14.6	14.4	14.4	14.6	14.5	14.5
	1108	11.4	11.2	11.3	11.1	11.2	10.9	10.8	10.8	10.8	10.8	10.6	10.8	10.6	10.4

APPENDIX IV (3)

BODY WEIGHTS OF INDIVIDUAL MALE DOGS FED FREON® 12 (VIA GAINESBURGERS)

Group	Dog No.	Weekly Weights in Kilograms													
		27	28	29	30	31	32	33	34	35	36	37	38	39	40
	1101	9.5	9.6	9.6	9.6	9.5	9.6	9.4	9.6	9.3	9.2	9.5	9.3	9.6	9.5
I	1104	12.4	12.6	12.6	12.6	12.6	12.8	12.8	12.6	12.4	12.2	12.8	13.0	12.7	12.8
Control	1107	12.6	12.8	13.1	13.1	12.8	13.0	13.0	13.0	13.1	13.1	13.1	13.4	13.0	13.2
	1110	10.8	11.0	11.0	11.1	11.1	11.1	11.0	11.0	11.0	10.7	11.0	11.0	11.0	11.0
	1099	10.8	10.8	10.7	10.9	10.6	10.8	10.6	10.7	10.8	10.6	10.8	11.1	10.9	11.0
II	1103	9.3	9.4	9.3	9.6	9.5	9.7	9.8	9.6	9.5	9.3	9.7	9.6	9.5	9.6
Low Level	1106	13.4	13.4	13.4	13.6	13.5	13.6	13.6	9.7	9.8	13.8	13.9	14.1	14.1	14.0
Freon® 12	1109	9.4	9.6	10.1	9.7	9.6	9.8	9.9	13.6	13.8	9.8	10.0	10.1	10.1	10.1
	1100	11.8	11.8	12.0	12.0	12.1	12.1	11.9	11.9	11.9	12.0	12.0	12.0	12.1	12.3
III	1191	12.2	12.2	12.2	12.3	12.4	12.6	12.6	12.7	12.8	13.0	13.1	13.1	13.2	13.2
High Level	1105	14.5	14.4	14.3	14.2	14.2	14.3	14.2	14.1	14.0	13.9	13.9	14.0	14.0	13.8
Freon® 12	1108	10.4	10.8	10.4	10.6	11.3	11.7	11.8	12.2	12.4	12.3	12.5	12.6	12.6	12.9

APPENDIX IV (4)

BODY WEIGHTS OF INDIVIDUAL MALE DOGS FED FREON® 12 (VIA GAINESBURGERS)

Group	Dog No.	Weekly Weights in Kilograms												
		41	42	43	44	45	46	47	48	49	50	51	52	
	1101	9.6	9.6	9.6	9.6	9.8	9.8	9.8	10.0	9.6	9.8	9.8	9.8	(Sacrificed)
I	1104	12.9	13.2	13.1	13.0	13.2	13.2	13.5	13.4	13.2	12.8	13.3	13.4	
Control	1107	13.1	13.4	13.2	13.0	13.2	13.1	13.2	13.5	13.6	13.2	13.4	13.4	
	1110	11.0	11.2	11.0	10.8	10.8	10.9	10.8	10.8	10.8	10.6	10.6	10.7	
	1099	10.9	11.0	11.2	11.2	11.3	11.2	11.4	11.4	11.2	11.1	11.2	11.0	
II	1103	9.5	9.7	10.0	9.9	10.1	10.1	10.2	10.2	10.3	10.4	10.2	10.2	
Low Level	1106	13.9	14.2	14.2	14.4	14.5	14.4	14.4	14.6	14.6	14.4	14.4	14.6	
Freon® 12	1109	10.1	10.2	10.2	10.8	10.4	10.4	10.5	10.6	10.6	10.6	10.6	10.7	
	1100	12.4	12.4	12.4	12.4	12.8	12.8	13.0	13.0	12.8	12.6	12.8	12.7	(Sacrificed)
III	1191	13.1	13.3	12.8	12.8	12.8	12.9	12.8	13.0	12.8	12.8	12.8	12.8	
High Level	1105	13.8	14.3	14.4	14.2	14.1	13.8	13.8	14.0	13.6	13.9	13.8	13.8	
Freon® 12	1108	12.6	12.8	12.6	12.5	12.6	12.6	12.6	12.7	12.5	12.6	12.9	12.7	

APPENDIX IV (5)

BODY WEIGHTS OF INDIVIDUAL MALE DOGS FED FREON® 12 (VIA GAINESBURGERS)

Group	Dog No.	Weekly Weight in Kilograms												
		53	54	55	56	57	58	59	60	61	62	63	64	65
I Control	1101	-	-	-	-	-	-	-	-	-	-	-	-	-
	1104	13.2	13.5	13.7	13.2	13.2	13.3	13.4	13.6	13.6	13.6	13.8	13.8	13.8
	1107	13.6	13.8	13.6	13.6	14.0	14.0	14.2	13.8	13.9	13.8	14.1	14.1	14.4
	1110	10.4	10.1	10.6	10.8	10.8	10.8	10.3	10.8	11.0	11.1	11.1	11.1	11.2
II Low Level Freon® 12	1099	11.0	11.2	11.4	11.4	11.4	11.5	11.6	11.6	11.8	11.9	12.0	11.8	11.9
	1103	10.2	10.2	10.2	10.4	10.4	10.6	10.4	10.8	10.8	10.8	10.8	10.7	11.0
	1106	14.6	14.6	14.9	14.8	14.9	15.0	15.0	15.1	15.4	15.3	15.6	15.4	15.5
	1109	10.6	10.6	10.6	10.8	10.8	10.9	10.8	10.9	11.0	11.1	11.2	11.2	11.2
III High Level Freon® 12	1100	-	-	-	-	-	-	-	-	-	-	-	-	-
	1191	12.9	12.9	12.9	12.8	12.7	12.7	12.8	12.8	12.8	12.8	12.9	13.0	13.1
	1105	13.8	14.2	14.4	14.2	14.3	14.5	14.6	14.7	14.8	14.8	15.0	14.8	15.0
	1108	12.6	13.0	13.2	13.4	13.4	13.2	13.4	13.6	13.8	13.6	13.8	13.8	14.1

APPENDIX IV (6)

BODY WEIGHTS OF INDIVIDUAL MALE DOGS FED FREON® 12 (VIA GAINESBURGERS)

Group	Dog No.	Weekly Weights in Kilograms													
		66	67	68	69	70	71	72	73	74	75	76	77	78	79
I Control	1101	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1104	13.5	13.4	13.6	13.8	13.8	13.8	13.8	13.6	13.5	13.6	13.6	14.0	13.6	13.6
	1107	14.3	13.9	14.2	14.4	14.2	14.3	14.1	14.3	14.1	14.1	13.8	14.1	14.0	14.0
	1110	11.2	11.3	11.2	11.3	11.5	11.2	11.1	10.9	11.0	10.0	10.8	10.5	10.6	10.7
II Low Level Freon® 12	1099	11.9	11.8	11.8	11.8	11.8	11.9	11.5	11.8	11.9	11.7	11.9	12.0	12.0	12.0
	1103	10.8	10.9	10.8	10.9	10.9	11.1	10.8	10.9	10.9	11.3	10.9	10.8	10.9	10.9
	1106	15.3	15.2	15.1	15.4	15.2	15.3	15.2	15.4	15.3	15.4	15.4	15.4	15.4	15.4
	1109	10.9	10.5	10.8	10.7	10.4	10.8	10.6	10.7	10.6	10.6	10.7	10.8	10.6	10.8
III High Level Freon® 12	1100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1191	13.3	13.2	13.3	13.2	13.2	13.2	13.2	13.4	13.1	13.0	13.0	13.2	13.3	13.4
	1105	14.6	14.7	14.6	14.8	14.6	14.6	14.4	14.5	14.4	14.4	14.6	14.4	14.5	14.4
	1108	13.8	13.8	13.6	13.8	13.5	13.8	13.2	13.4	13.4	13.4	13.3	13.5	13.2	13.2

APPENDIX IV (7)

BODY WEIGHTS OF INDIVIDUAL MALE DOGS FED FREON® 12 (VIA GAINESBURGERS)

Group	Dog No.	Weekly Weights in Kilograms													
		80	81	82	83	84	85	86	87	88	89	90	91	92	93
	1101	-	-	-	-	-	-	-	-	-	-	-	-	-	-
I	1104	13.6	13.6	13.6	13.6	13.6	13.7	13.3	13.5	13.4	13.8	13.8	13.6	13.6	13.5
Control	1107	14.4	14.2	14.4	14.2	13.8	14.0	13.8	13.9	13.6	13.8	13.8	13.8	13.7	13.4
	1110	10.5	10.4	10.6	10.4	10.3	10.1	10.0	9.8	10.1	10.0	10.4	10.5	10.8	10.7
	1099	11.9	12.2	12.1	12.1	12.2	12.1	12.1	12.1	11.9	12.2	12.3	12.2	12.4	12.3
II	1103	10.8	10.9	10.6	10.9	10.6	10.5	10.8	10.8	11.2	10.9	11.0	11.2	11.2	11.0
Low Level	1106	15.4	15.5	15.5	15.6	15.2	15.4	15.3	15.4	15.2	15.2	15.5	15.4	15.5	15.6
Freon® 12	1109	10.6	10.6	10.7	10.8	10.8	10.8	10.8	11.2	11.0	11.0	11.2	11.2	11.0	11.1
	1100	-	-	-	-	-	-	-	-	-	-	-	-	-	-
III	1191	13.4	13.6	13.5	13.5	13.2	13.5	13.2	13.2	13.4	13.6	13.6	13.6	13.8	13.8
High Level	1105	14.5	14.4	14.4	14.7	14.4	14.2	14.5	14.3	14.4	14.2	14.5	14.7	14.2	14.0
Freon® 12	1108	13.0	13.3	13.2	13.4	13.4	13.0	12.8	12.6	12.6	12.8	13.1	13.0	12.8	12.9

APPENDIX IV (8)

BODY WEIGHTS OF INDIVIDUAL MALE DOGS FED FREON® 12 (VIA GAINESBURGERS)

Group	Dog No.	Weekly Weights in Kilograms										
		94	95	96	97	98	99	100	101	102	103	104
I Control	1101	-	-	-	-	-	-	-	-	-	-	-
	1104	13.6	13.7	13.7	13.5	13.3	13.4	13.7	13.6	13.6	13.6	13.7
	1107	13.4	13.8	13.9	13.6	13.6	13.8	13.8	14.0	13.8	13.8	14.2
	1110	11.0	11.3	11.4	11.3	11.5	11.6	11.6	11.8	12.1	12.1	12.2
II Low Level Freon® 12	1099	12.2	12.2	12.5	12.5	12.4	12.4	12.6	12.7	12.8	12.7	12.8
	1103	11.0	10.8	11.0	10.9	11.0	11.1	11.2	11.3	11.1	11.1	11.5
	1106	15.7	15.8	15.7	15.6	15.8	15.8	16.1	16.0	16.1	16.1	16.1
	1109	11.0	11.2	11.2	11.2	11.1	11.3	11.1	11.4	11.5	11.7	11.6
III High Level Freon® 12	1100	-	-	-	-	-	-	-	-	-	-	-
	1191	13.6	13.6	13.4	13.5	13.2	-	-	-	-	-	-
	1105	14.4	14.4	14.6	14.8	14.2	14.2	14.6	14.8	14.5	14.7	14.7
	1108	12.8	12.8	12.9	13.0	12.8	12.8	13.3	13.3	13.5	13.2	13.0

APPENDIX IV (9)

BODY WEIGHTS OF INDIVIDUAL FEMALE DOGS FED FREON® 12 (VIA GAINESBURGERS)

Group	Dog No.	Weekly Weights in Kilograms												
		0	1	2	3	4	5	6	7	8	9	10	11	12
	1113	11.2	10.7	10.4	10.1	10.2	10.0	10.2	10.3	10.2	10.2	10.3	10.4	10.6
I	1116	12.6	12.1	12.0	12.0	12.1	12.4	12.4	12.5	12.6	12.8	13.1	13.3	13.6
Control	1119	10.9	10.3	10.2	9.7	9.9	9.8	9.9	10.0	10.0	10.0	10.1	10.2	10.3
	1122	10.2	9.5	9.1	8.8	8.9	8.8	8.8	8.9	8.8	8.8	8.9	8.9	9.0
	1112	9.8	9.2	8.9	8.6	8.9	9.0	9.1	9.2	9.2	9.4	9.6	9.5	9.6
II	1115	11.2	10.9	10.5	10.2	10.3	10.3	10.0	10.1	9.9	9.9	9.9	9.9	10.1
Low Level	1118	9.9	9.6	9.4	9.1	9.3	9.4	9.3	9.4	9.5	9.5	9.6	9.8	10.0
Freon® 12	1121	10.1	9.6	9.3	8.9	8.9	8.9	8.6	8.8	9.0	9.1	9.3	9.4	9.4
	1111	12.2	12.1	12.0	11.8	11.8	11.8	11.8	12.0	12.2	12.3	12.3	12.4	12.5
III	1114	8.8	8.7	8.5	8.4	8.5	8.7	8.7	8.7	8.7	8.7	8.5	8.5	8.7
High Level	1117	10.2	9.8	9.4	9.1	9.2	9.2	9.2	9.1	9.2	9.0	9.1	9.0	9.2
Freon® 12	1120	9.6	9.4	9.2	8.9	9.0	9.0	8.8	9.1	8.8	8.9	9.1	8.9	8.9

APPENDIX IV (10)

BODY WEIGHTS OF INDIVIDUAL FEMALE DOGS FED FREON® 12 (VIA GAINESBURGERS)

Group	Dog No.	Weekly Weights in Kilograms													
		13	14	15	16	17	18	19	20	21	22	23	24	25	26
I Control	1113	10.4	10.4	10.4	10.4	10.4	10.4	10.2	10.2	10.2	10.1	10.0	10.2	10.2	10.0
	1116	13.2	12.8	12.8	12.8	12.8	12.6	12.4	12.8	12.7	12.1	12.6	12.6	12.4	12.4
	1119	10.3	10.4	10.4	10.4	10.4	10.4	10.5	10.4	10.5	10.3	10.4	10.6	10.3	10.2
	1122	8.7	8.6	8.6	8.5	8.6	8.6	8.6	8.6	8.5	8.6	8.6	8.4	8.6	8.4
II Low Level Freon® 12	1112	9.8	9.8	10.2	10.1	9.9	9.9	10.0	9.9	9.8	10.0	9.8	9.8	9.8	9.9
	1115	9.8	9.8	9.7	9.7	9.6	9.7	9.8	9.6	9.8	9.2	9.4	9.4	9.4	9.3
	1118	9.9	10.1	10.0	10.1	10.0	9.9	10.0	9.8	9.9	9.8	9.5	9.8	9.9	10.1
	1121	9.3	9.5	9.4	9.3	9.2	9.4	9.3	9.2	9.4	9.4	9.6	9.8	9.7	9.7
III High Level Freon® 12	1111	12.6	12.6	12.5	12.7	12.7	12.6	12.4	12.6	12.6	12.5	12.6	12.6	12.6	12.4
	1114	8.4	8.4	8.3	8.5	8.6	8.6	8.7	8.8	8.6	8.6	8.6	8.8	8.7	8.5
	1117	9.1	9.1	8.8	8.6	8.5	8.6	8.4	8.5	8.4	8.4	8.1	8.6	9.1	9.5
	1120	8.6	8.7	8.5	8.6	8.4	8.4	8.5	8.4	8.4	8.4	8.3	8.3	8.2	8.1

APPENDIX IV (11)

BODY WEIGHTS OF INDIVIDUAL FEMALE DOGS FED FREON® 12 (VIA GAINESBURGERS)

Group	Dog No.	Weekly Weights in Kilograms													
		27	28	29	30	31	32	33	34	35	36	37	38	39	40
I Control	1113	10.1	10.2	10.0	10.2	10.1	10.2	10.1	10.1	9.9	9.8	10.2	10.2	10.3	10.1
	1116	12.4	12.2	12.2	12.5	12.6	12.5	12.5	12.5	12.4	12.3	12.2	12.5	12.4	12.4
	1119	10.1	10.2	10.1	10.0	10.0	9.9	9.9	9.9	9.8	9.8	9.9	10.0	10.0	10.0
	1122	8.4	8.5	8.6	8.6	8.6	8.7	8.6	8.8	8.6	8.5	8.6	8.4	8.3	8.4
II Low Level Freon® 12	1112	9.9	9.8	10.0	9.8	9.7	9.7	9.8	9.9	9.8	9.7	9.9	9.8	10.0	10.2
	1115	9.3	9.3	9.5	9.3	9.5	9.6	9.4	9.6	9.6	9.5	9.7	9.8	9.7	9.7
	1118	10.0	10.2	10.5	10.2	10.4	10.2	10.4	10.4	10.6	10.1	10.4	10.6	10.6	10.9
	1121	9.9	9.8	10.1	10.2	10.2	10.2	10.1	10.2	10.2	10.2	10.3	10.3	10.3	10.4
III High Level Freon® 12	1111	12.6	12.2	12.4	12.3	12.4	12.4	12.3	12.4	12.4	12.4	12.4	12.8	12.6	13.0
	1114	8.5	8.5	8.8	8.6	8.7	8.8	8.8	8.8	8.9	9.0	9.1	9.3	9.2	9.4
	1117	9.9	10.1	10.2	10.4	10.5	10.7	10.6	10.8	10.6	10.8	11.0	11.2	11.2	11.3
	1120	8.4	8.3	8.7	8.4	8.4	8.2	8.2	8.2	8.3	8.3	8.4	8.4	8.6	8.6

APPENDIX IV (12)

BODY WEIGHTS OF INDIVIDUAL FEMALE DOGS FED FREON® 12 (VIA GAINESBURGERS)

Group	Dog No.	Weekly Weights in Kilograms												
		41	42	43	44	45	46	47	48	49	50	51	52	
	1113	10.2	10.2	10.2	10.2	10.4	10.4	10.2	10.2	10.1	10.2	10.2	10.2	
I	1116	12.4	12.6	12.6	12.7	12.6	12.5	12.2	12.4	12.3	12.2	12.2	12.2	(Sacrificed)
Control	1119	9.9	10.0	10.1	10.0	10.0	10.1	10.0	10.0	10.2	10.2	10.2	10.3	
	1122	8.4	8.4	8.4	8.4	8.2	8.0	8.0	7.7	7.9	7.9	8.0	8.1	
	1112	10.2	10.2	10.5	10.4	10.5	10.6	10.4	10.4	10.4	10.2	10.4	10.4	
II	1115	9.8	9.6	9.9	9.9	9.9	9.9	9.9	9.8	9.8	10.0	10.0	9.9	
Low Level	1118	10.6	10.8	10.8	10.7	10.8	10.6	10.6	10.6	10.6	10.6	10.7	10.9	
Freon® 12	1121	10.6	10.2	10.5	10.7	10.8	10.8	10.8	10.8	10.8	11.0	11.2	11.0	
	1111	13.2	13.1	13.4	13.6	13.9	13.8	13.6	13.9	13.8	14.2	14.2	14.6	
III	1114	9.4	9.5	9.8	9.7	10.0	10.0	10.0	10.1	10.2	9.9	9.6	9.6	
High Level	1117	11.1	11.0	11.2	11.1	11.1	10.9	10.9	11.0	10.9	11.0	11.2	11.5	(Sacrificed)
Freon® 12	1120	8.5	8.6	8.6	8.6	8.9	8.8	8.7	8.9	8.9	8.8	8.9	9.0	

APPENDIX IV (13)

BODY WEIGHTS OF INDIVIDUAL FEMALE DOGS FED FREON® 12 (VIA GAINESBURGERS)

Group	Dog No.	Weekly Weights in Kilograms												
		53	54	55	56	57	58	59	60	61	62	63	64	65
	1113	10.2	10.3	10.4	10.5	10.7	10.8	11.0	10.8	11.0	11.0	11.2	11.2	11.6
I	1116	-	-	-	-	-	-	-	-	-	-	-	-	-
Control	1119	10.4	10.4	10.5	10.6	10.6	10.7	10.9	10.8	10.9	11.1	11.2	11.3	11.2
	1122	8.1	8.0	7.9	8.0	8.3	8.5	8.6	8.7	8.8	8.8	8.8	8.8	8.9
	1112	10.5	10.2	10.5	10.8	10.8	10.9	10.8	11.0	11.0	11.3	11.0	11.0	11.0
II	1115	10.1	10.1	10.2	10.2	10.4	10.4	10.5	10.6	10.7	10.6	10.6	10.9	10.8
Low Level	1118	10.9	10.8	11.1	11.2	11.3	11.4	11.4	11.4	11.2	10.6	10.8	10.7	11.2
Freon® 12	1121	11.2	11.3	11.3	11.5	11.5	11.8	11.9	12.2	12.2	12.1	12.4	12.3	12.4
	1111	14.6	15.0	15.2	15.4	15.4	15.7	16.0	16.0	16.2	16.3	16.5	16.6	16.6
III	1114	9.3	9.8	9.8	9.4	9.2	9.0	8.9	8.8	8.8	8.6	8.6	8.6	8.6
High Level	1117	-	-	-	-	-	-	-	-	-	-	-	-	-
Freon® 12	1120	9.1	9.0	9.4	9.4	9.4	9.8	9.6	9.6	9.8	9.8	9.9	10.0	9.8

APPENDIX IV (14)

BODY WEIGHTS OF INDIVIDUAL FEMALE DOGS FED FREON® 12 (VIA GAINESBURGERS)

Group	Dog No.	Weekly Weights in Kilograms													
		66	67	68	69	70	71	72	73	74	75	76	77	78	79
I Control	1113	11.1	11.2	11.2	11.2	11.1	11.0	10.9	10.9	11.0	11.0	11.3	11.4	11.2	11.2
	1116	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1119	11.1	11.2	11.2	11.2	11.1	11.1	11.1	11.2	11.0	11.1	11.1	11.2	11.3	11.4
	1122	8.8	8.7	8.8	8.8	8.8	9.0	9.1	9.0	8.9	8.9	9.0	9.1	9.0	9.2
II Low Level Freon® 12	1112	11.0	11.0	11.0	11.1	11.3	11.4	10.5	10.6	11.6	11.5	11.7	11.5	11.6	11.4
	1115	10.0	10.6	10.5	10.9	10.7	11.0	11.0	10.8	10.7	10.7	10.8	10.9	11.0	11.0
	1118	10.8	10.5	10.6	10.6	10.6	10.6	10.5	10.5	10.4	10.6	10.5	10.8	10.6	10.8
	1121	12.2	12.1	12.1	12.3	12.3	12.5	12.4	12.3	12.3	12.3	12.6	12.4	12.3	12.2
III High Level Freon® 12	1111	16.6	16.2	16.4	16.5	16.6	16.6	16.5	16.5	16.6	16.5	16.6	16.6	16.5	16.4
	1114	8.6	8.6	8.4	8.4	8.5	8.6	8.5	8.4	8.3	8.4	8.2	8.3	8.2	8.2
	1117	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1120	9.6	9.7	9.4	9.4	9.4	9.3	9.1	9.3	9.3	9.2	9.5	9.1	9.2	9.2

APPENDIX IV (15)

BODY WEIGHTS OF INDIVIDUAL FEMALE DOGS FED FREON® 12 (VIA GAINESBURGERS)

Group	Dog No.	Weekly Weights in Kilograms													
		80	81	82	83	84	85	86	87	88	89	90	91	92	93
I Control	1113	11.1	11.2	11.1	11.2	11.0	11.1	11.0	11.2	10.9	11.0	11.2	11.2	11.0	11.1
	1116	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1119	11.3	11.3	11.3	11.4	11.3	11.3	11.3	11.4	11.3	11.7	11.4	11.5	11.2	11.2
	1122	9.1	9.2	9.2	9.2	9.2	9.0	8.9	9.1	9.2	9.6	9.4	9.3	9.4	9.3
II Low Level Freon® 12	1112	11.4	11.6	11.5	11.7	11.8	11.9	12.2	12.2	12.1	12.4	12.6	12.8	12.9	13.2
	1115	10.8	10.8	10.7	10.7	10.7	10.8	10.8	10.8	11.0	11.0	10.9	11.3	11.1	11.2
	1118	10.7	10.7	10.8	10.9	10.9	10.9	11.1	10.9	11.1	11.2	10.9	10.8	10.8	10.9
	1121	12.0	12.2	12.2	12.2	12.4	12.2	13.3	12.3	12.2	12.4	12.6	12.4	12.4	12.5
III High Level Freon® 12	1111	16.4	16.4	16.4	16.8	16.6	16.6	16.8	16.8	16.8	16.9	17.0	17.2	16.7	16.8
	1114	8.3	8.4	8.4	8.4	8.7	8.3	8.3	8.4	8.4	8.4	8.6	8.4	8.4	8.7
	1117	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	1120	9.3	9.2	9.2	9.4	9.6	9.5	9.4	9.4	9.5	9.3	9.3	9.4	9.4	9.6

APPENDIX IV (16)

BODY WEIGHTS OF INDIVIDUAL FEMALE DOGS FED FREON® 12 (VIA GAINESBURGERS)

Group	Dog No.	94	95	96	97	98	99	100	101	102	103	104
	1113	11.0	10.8	10.9	11.0	10.9	10.8	10.9	10.6	10.9	10.9	10.8
I	1116	-	-	-	-	-	-	-	-	-	-	-
Control	1119	11.4	11.3	11.4	11.4	11.4	11.5	11.6	11.8	11.7	11.6	11.7
	1122	9.1	9.3	9.4	9.4	9.4	9.4	9.5	9.6	9.6	9.4	9.8
	1112	13.2	13.2	13.5	13.6	13.7	13.8	13.8	14.2	14.2	14.2	14.2
II	1115	11.2	10.9	11.1	11.1	11.4	11.1	11.0	11.2	11.4	11.4	11.3
Low Level	1118	10.7	10.7	10.9	10.8	10.9	11.1	11.2	11.2	11.3	11.2	11.4
Freon® 12	1121	12.6	12.6	12.9	12.9	12.8	12.9	13.1	13.3	12.8	13.4	13.5
	1111	17.0	16.8	16.8	16.8	16.7	17.0	17.2	17.2	16.9	16.8	17.2
III	1114	8.5	8.3	8.4	8.6	8.4	8.6	8.6	8.4	8.6	8.6	8.4
High Level	-	-	-	-	-	-	-	-	-	-	-	-
Freon® 12	1120	9.5	9.5	9.8	9.9	9.8	9.9	10.0	10.0	9.8	10.1	10.2