

Experiment Number: 20614 - 01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 09/17/2018

Time Report Requested: 14:32:29

First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 107 WEEKS**

Females

DOSE	0/1000 ppm	300/1000 ppm
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Uterus (Longitudinal Evaluation)

Adenomyosis

LESION RATES

OVERALL (a)	1/48 (2%)	0/48 (0%)
LITTERS (b)	1/30 (3%)	0/30 (0%)
POLY-3 RATE (c)	1/36.85	0/36.25
POLY-3 PERCENT (g)	2.7%	0%
TERMINAL (d)	1/23 (4%)	0/23 (0%)
FIRST INCIDENCE	744 (T)	---

STATISTICAL TESTS

POLY 3	P=0.503N
POLY 1.5	P=0.500N
POLY 6	P=0.511N
RAO-SCOTT	P=0.555N
LITTER C-A/FISHERS	P=0.500N

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Females

DOSE	0/1000 ppm	300/1000 ppm
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Uterus (Standard or Longitudinal Evaluation)

Adenomyosis

LESION RATES

OVERALL (a)	1/48 (2%)	0/48 (0%)
LITTERS (b)	1/30 (3%)	0/30 (0%)
POLY-3 RATE (c)	1/36.85	0/36.25
POLY-3 PERCENT (g)	2.7%	0%
TERMINAL (d)	1/23 (4%)	0/23 (0%)
FIRST INCIDENCE	744 (T)	---

STATISTICAL TESTS

POLY 3	P=0.503N
POLY 1.5	P=0.500N
POLY 6	P=0.511N
RAO-SCOTT	P=0.555N
LITTER C-A/FISHERS	P=0.500N

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TERMINAL SACRIFICE AT 107 WEEKS**

Females

DOSE	0/1000 ppm	300/1000 ppm
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**Uterus (Standard Evaluation)
Dilation**

LESION RATES

OVERALL (a)	3/49 (6%)	3/50 (6%)
LITTERS (b)	3/31 (10%)	3/30 (10%)
POLY-3 RATE (c)	3/37.39	3/37.32
POLY-3 PERCENT (g)	8%	8%
TERMINAL (d)	1/23 (4%)	2/23 (9%)
FIRST INCIDENCE	652	718

STATISTICAL TESTS

POLY 3	P=0.663
POLY 1.5	P=0.652N
POLY 6	P=0.638
RAO-SCOTT	P=0.626
LITTER C-A/FISHERS	P=0.648

Experiment Number: 20614 - 01

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TERMINAL SACRIFICE AT 107 WEEKS**

Females

DOSE	0/1000 ppm	300/1000 ppm
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Uterus (Longitudinal Evaluation)

Dilation

LESION RATES

OVERALL (a)	3/48 (6%)	2/48 (4%)
LITTERS (b)	3/30 (10%)	2/30 (7%)
POLY-3 RATE (c)	3/37.36	2/36.25
POLY-3 PERCENT (g)	8%	5.5%
TERMINAL (d)	1/23 (4%)	2/23 (9%)
FIRST INCIDENCE	652	744 (T)

STATISTICAL TESTS

POLY 3	P=0.514N
POLY 1.5	P=0.503N
POLY 6	P=0.537N
RAO-SCOTT	P=0.483N
LITTER C-A/FISHERS	P=0.500N

Experiment Number: 20614 - 01

Test Type: CHRONIC

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Species/Strain: RATS/HSD

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TERMINAL SACRIFICE AT 107 WEEKS**

Females

DOSE	0/1000 ppm	300/1000 ppm
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Uterus (Standard or Longitudinal Evaluation)

Dilation

LESION RATES

OVERALL (a)	3/48 (6%)	3/48 (6%)
LITTERS (b)	3/30 (10%)	3/30 (10%)
POLY-3 RATE (c)	3/37.36	3/36.35
POLY-3 PERCENT (g)	8%	8.3%
TERMINAL (d)	1/23 (4%)	2/23 (9%)
FIRST INCIDENCE	652	718

STATISTICAL TESTS

POLY 3	P=0.651
POLY 1.5	P=0.661
POLY 6	P=0.629
RAO-SCOTT	P=0.616
LITTER C-A/FISHERS	P=0.665

Experiment Number: 20614 - 01

Test Type: CHRONIC

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Species/Strain: RATS/HSD

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TERMINAL SACRIFICE AT 107 WEEKS**

Females

DOSE	0/1000 ppm	300/1000 ppm
-------------	-------------------	---------------------

**Uterus (Standard Evaluation)
Hemorrhage**

LESION RATES

OVERALL (a)	1/49 (2%)	0/50 (0%)
LITTERS (b)	1/31 (3%)	0/30 (0%)
POLY-3 RATE (c)	1/37.06	0/37.22
POLY-3 PERCENT (g)	2.7%	0%
TERMINAL (d)	0/23 (0%)	0/23 (0%)
FIRST INCIDENCE	695	---

STATISTICAL TESTS

POLY 3	P=0.499N
POLY 1.5	P=0.495N
POLY 6	P=0.509N
RAO-SCOTT	P=0.539N
LITTER C-A/FISHERS	P=0.508N

Experiment Number: 20614 - 01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 107 WEEKS**

Females

DOSE	0/1000 ppm	300/1000 ppm
-------------	-------------------	---------------------

Uterus (Longitudinal Evaluation)
Hemorrhage

LESION RATES

OVERALL (a)	1/48 (2%)	0/48 (0%)
LITTERS (b)	1/30 (3%)	0/30 (0%)
POLY-3 RATE (c)	1/37.04	0/36.25
POLY-3 PERCENT (g)	2.7%	0%
TERMINAL (d)	0/23 (0%)	0/23 (0%)
FIRST INCIDENCE	695	---

STATISTICAL TESTS

POLY 3	P=0.504N
POLY 1.5	P=0.500N
POLY 6	P=0.513N
RAO-SCOTT	P=0.547N
LITTER C-A/FISHERS	P=0.500N

Experiment Number: 20614 - 01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 107 WEEKS**

Females

DOSE	0/1000 ppm	300/1000 ppm
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Uterus (Standard or Longitudinal Evaluation)
Hemorrhage

LESION RATES

OVERALL (a)	1/48 (2%)	0/48 (0%)
LITTERS (b)	1/30 (3%)	0/30 (0%)
POLY-3 RATE (c)	1/37.04	0/36.25
POLY-3 PERCENT (g)	2.7%	0%
TERMINAL (d)	0/23 (0%)	0/23 (0%)
FIRST INCIDENCE	695	---

STATISTICAL TESTS

POLY 3	P=0.504N
POLY 1.5	P=0.500N
POLY 6	P=0.513N
RAO-SCOTT	P=0.547N
LITTER C-A/FISHERS	P=0.500N

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Route: DOSED FEED
Species/Strain: RATS/HSD

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CAS Number: 335-67-1

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Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 107 WEEKS**

Females

DOSE	0/1000 ppm	300/1000 ppm
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Uterus (Longitudinal Evaluation)
Hyperplasia, Atypical

LESION RATES

OVERALL (a)	3/48 (6%)	3/48 (6%)
LITTERS (b)	3/30 (10%)	3/30 (10%)
POLY-3 RATE (c)	3/36.97	3/36.25
POLY-3 PERCENT (g)	8.1%	8.3%
TERMINAL (d)	2/23 (9%)	3/23 (13%)
FIRST INCIDENCE	714	744 (T)

STATISTICAL TESTS

POLY 3	P=0.655
POLY 1.5	P=0.663
POLY 6	P=0.636
RAO-SCOTT	P=0.618
LITTER C-A/FISHERS	P=0.665

Experiment Number: 20614 - 01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 107 WEEKS**

Females

DOSE	0/1000 ppm	300/1000 ppm
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Uterus (Standard or Longitudinal Evaluation)
Hyperplasia, Atypical

LESION RATES

OVERALL (a)	3/48 (6%)	3/48 (6%)
LITTERS (b)	3/30 (10%)	3/30 (10%)
POLY-3 RATE (c)	3/36.97	3/36.25
POLY-3 PERCENT (g)	8.1%	8.3%
TERMINAL (d)	2/23 (9%)	3/23 (13%)
FIRST INCIDENCE	714	744 (T)

STATISTICAL TESTS

POLY 3	P=0.655
POLY 1.5	P=0.663
POLY 6	P=0.636
RAO-SCOTT	P=0.618
LITTER C-A/FISHERS	P=0.665

Experiment Number: 20614 - 01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/HSD

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TERMINAL SACRIFICE AT 107 WEEKS**

Females

DOSE	0/1000 ppm	300/1000 ppm
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Uterus (Standard Evaluation)
Inflammation

LESION RATES

OVERALL (a)	4/49 (8%)	1/50 (2%)
LITTERS (b)	3/31 (10%)	1/30 (3%)
POLY-3 RATE (c)	4/37.71	1/37.90
POLY-3 PERCENT (g)	10.6%	2.6%
TERMINAL (d)	0/23 (0%)	0/23 (0%)
FIRST INCIDENCE	669	508

STATISTICAL TESTS

POLY 3	P=0.175N
POLY 1.5	P=0.169N
POLY 6	P=0.192N
RAO-SCOTT	P=0.266N
LITTER C-A/FISHERS	P=0.319N

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Species/Strain: RATS/HSD

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Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 107 WEEKS**

Females

DOSE	0/1000 ppm	300/1000 ppm
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Uterus (Longitudinal Evaluation)

Inflammation

LESION RATES

OVERALL (a)	3/48 (6%)	0/48 (0%)
LITTERS (b)	2/30 (7%)	0/30 (0%)
POLY-3 RATE (c)	3/37.58	0/36.25
POLY-3 PERCENT (g)	8%	0%
TERMINAL (d)	0/23 (0%)	0/23 (0%)
FIRST INCIDENCE	669	---

STATISTICAL TESTS

POLY 3	P=0.124N
POLY 1.5	P=0.120N
POLY 6	P=0.134N
RAO-SCOTT	P=0.291N
LITTER C-A/FISHERS	P=0.246N

Experiment Number: 20614 - 01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: RATS/HSD

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TERMINAL SACRIFICE AT 107 WEEKS**

Females

DOSE	0/1000 ppm	300/1000 ppm
------	------------	--------------

**Uterus (Standard or Longitudinal Evaluation)
Inflammation**

LESION RATES

OVERALL (a)	4/48 (8%)	1/48 (2%)
LITTERS (b)	3/30 (10%)	1/30 (3%)
POLY-3 RATE (c)	4/37.68	1/36.93
POLY-3 PERCENT (g)	10.6%	2.7%
TERMINAL (d)	0/23 (0%)	0/23 (0%)
FIRST INCIDENCE	669	508

STATISTICAL TESTS

POLY 3	P=0.183N
POLY 1.5	P=0.177N
POLY 6	P=0.198N
RAO-SCOTT	P=0.274N
LITTER C-A/FISHERS	P=0.306N

Experiment Number: 20614 - 01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: RATS/HSD

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TERMINAL SACRIFICE AT 107 WEEKS**

Females

DOSE	0/1000 ppm	300/1000 ppm
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Uterus (Standard Evaluation)
Inflammation, Acute

LESION RATES

OVERALL (a)	1/49 (2%)	1/50 (2%)
LITTERS (b)	1/31 (3%)	1/30 (3%)
POLY-3 RATE (c)	1/36.88	1/38.08
POLY-3 PERCENT (g)	2.7%	2.6%
TERMINAL (d)	1/23 (4%)	0/23 (0%)
FIRST INCIDENCE	744 (T)	391

STATISTICAL TESTS

POLY 3	P=0.754N
POLY 1.5	P=0.751N
POLY 6	P=0.760
RAO-SCOTT	P=0.702N
LITTER C-A/FISHERS	P=0.746

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TERMINAL SACRIFICE AT 107 WEEKS**

Females

DOSE	0/1000 ppm	300/1000 ppm
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Uterus (Longitudinal Evaluation)
Inflammation, Acute

LESION RATES

OVERALL (a)	1/48 (2%)	0/48 (0%)
LITTERS (b)	1/30 (3%)	0/30 (0%)
POLY-3 RATE (c)	1/36.85	0/36.25
POLY-3 PERCENT (g)	2.7%	0%
TERMINAL (d)	1/23 (4%)	0/23 (0%)
FIRST INCIDENCE	744 (T)	---

STATISTICAL TESTS

POLY 3	P=0.503N
POLY 1.5	P=0.500N
POLY 6	P=0.511N
RAO-SCOTT	P=0.555N
LITTER C-A/FISHERS	P=0.500N

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Species/Strain: RATS/HSD

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TERMINAL SACRIFICE AT 107 WEEKS**

Females

DOSE	0/1000 ppm	300/1000 ppm
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Uterus (Standard or Longitudinal Evaluation)
Inflammation, Acute

LESION RATES

OVERALL (a)	1/48 (2%)	1/48 (2%)
LITTERS (b)	1/30 (3%)	1/30 (3%)
POLY-3 RATE (c)	1/36.85	1/37.10
POLY-3 PERCENT (g)	2.7%	2.7%
TERMINAL (d)	1/23 (4%)	0/23 (0%)
FIRST INCIDENCE	744 (T)	391

STATISTICAL TESTS

POLY 3	P=0.760N
POLY 1.5	P=0.757N
POLY 6	P=0.756
RAO-SCOTT	P=0.712N
LITTER C-A/FISHERS	P=0.754

Experiment Number: 20614 - 01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: RATS/HSD

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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 107 WEEKS

Females

DOSE	0/1000 ppm	300/1000 ppm
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Uterus, Cervix (Standard Evaluation)
Inflammation

LESION RATES

OVERALL (a)	1/49 (2%)	0/50 (0%)
LITTERS (b)	1/31 (3%)	0/30 (0%)
POLY-3 RATE (c)	1/36.88	0/37.22
POLY-3 PERCENT (g)	2.7%	0%
TERMINAL (d)	1/23 (4%)	0/23 (0%)
FIRST INCIDENCE	744 (T)	---

STATISTICAL TESTS

POLY 3	P=0.498N
POLY 1.5	P=0.494N
POLY 6	P=0.507N
RAO-SCOTT	P=0.534N
LITTER C-A/FISHERS	P=0.508N

Experiment Number: 20614 - 01

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Species/Strain: RATS/HSD

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Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 107 WEEKS**

Females

DOSE	0/1000 ppm	300/1000 ppm
------	------------	--------------

**Uterus, Cervix (Longitudinal Evaluation)
Inflammation**

LESION RATES

OVERALL (a)	1/48 (2%)	0/48 (0%)
LITTERS (b)	1/30 (3%)	0/30 (0%)
POLY-3 RATE (c)	1/36.85	0/36.25
POLY-3 PERCENT (g)	2.7%	0%
TERMINAL (d)	1/23 (4%)	0/23 (0%)
FIRST INCIDENCE	744 (T)	---

STATISTICAL TESTS

POLY 3	P=0.503N
POLY 1.5	P=0.500N
POLY 6	P=0.511N
RAO-SCOTT	P=0.542N
LITTER C-A/FISHERS	P=0.500N

Experiment Number: 20614 - 01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorooctanoic Acid

CAS Number: 335-67-1

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First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 107 WEEKS**

Females

DOSE	0/1000 ppm	300/1000 ppm
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**Uterus, Cervix (Standard or Longitudinal Evaluation)
Inflammation**

LESION RATES

OVERALL (a)	1/48 (2%)	0/48 (0%)
LITTERS (b)	1/30 (3%)	0/30 (0%)
POLY-3 RATE (c)	1/36.85	0/36.25
POLY-3 PERCENT (g)	2.7%	0%
TERMINAL (d)	1/23 (4%)	0/23 (0%)
FIRST INCIDENCE	744 (T)	---

STATISTICAL TESTS

POLY 3	P=0.503N
POLY 1.5	P=0.500N
POLY 6	P=0.511N
RAO-SCOTT	P=0.542N
LITTER C-A/FISHERS	P=0.500N

Experiment Number: 20614 - 01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorooctanoic Acid

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First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 107 WEEKS**

Females

DOSE	0/1000 ppm	300/1000 ppm
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Uterus, Cervix (Longitudinal Evaluation)

Stromal Hyperplasia

LESION RATES

OVERALL (a)	0/48 (0%)	2/48 (4%)
LITTERS (b)	0/30 (0%)	2/30 (7%)
POLY-3 RATE (c)	0/36.85	2/37.29
POLY-3 PERCENT (g)	0%	5.4%
TERMINAL (d)	0/23 (0%)	0/23 (0%)
FIRST INCIDENCE	---	391

STATISTICAL TESTS

POLY 3	P=0.239
POLY 1.5	P=0.241
POLY 6	P=0.233
RAO-SCOTT	P=0.318
LITTER C-A/FISHERS	P=0.246

Experiment Number: 20614 - 01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 09/17/2018

Time Report Requested: 14:32:29

First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 107 WEEKS**

Females

DOSE	0/1000 ppm	300/1000 ppm
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Uterus, Cervix (Standard or Longitudinal Evaluation)
Stromal Hyperplasia

LESION RATES

OVERALL (a)	0/48 (0%)	2/48 (4%)
LITTERS (b)	0/30 (0%)	2/30 (7%)
POLY-3 RATE (c)	0/36.85	2/37.29
POLY-3 PERCENT (g)	0%	5.4%
TERMINAL (d)	0/23 (0%)	0/23 (0%)
FIRST INCIDENCE	---	391

STATISTICAL TESTS

POLY 3	P=0.239
POLY 1.5	P=0.241
POLY 6	P=0.233
RAO-SCOTT	P=0.318
LITTER C-A/FISHERS	P=0.246

Experiment Number: 20614 - 01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 09/17/2018

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First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 107 WEEKS**

Females

DOSE	0/1000 ppm	300/1000 ppm
------	------------	--------------

Uterus, Cervix, Epithelium (Longitudinal Evaluation)

Basal Cell Hyperplasia

LESION RATES

OVERALL (a)	2/50 (4%)	4/50 (8%)
LITTERS (b)	2/31 (6%)	4/30 (13%)
POLY-3 RATE (c)	2/37.00	4/37.22
POLY-3 PERCENT (g)	5.4%	10.8%
TERMINAL (d)	0/23 (0%)	4/23 (17%)
FIRST INCIDENCE	721	744 (T)

STATISTICAL TESTS

POLY 3	P=0.338
POLY 1.5	P=0.349
POLY 6	P=0.315
RAO-SCOTT	P=0.326
LITTER C-A/FISHERS	P=0.320

Experiment Number: 20614 - 01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 09/17/2018

Time Report Requested: 14:32:29

First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 107 WEEKS**

Females

DOSE	0/1000 ppm	300/1000 ppm
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Uterus, Cervix, Epithelium (Standard or Longitudinal Evaluation)

Basal Cell Hyperplasia

LESION RATES

OVERALL (a)	2/50 (4%)	4/50 (8%)
LITTERS (b)	2/31 (6%)	4/30 (13%)
POLY-3 RATE (c)	2/37.00	4/37.22
POLY-3 PERCENT (g)	5.4%	10.8%
TERMINAL (d)	0/23 (0%)	4/23 (17%)
FIRST INCIDENCE	721	744 (T)

STATISTICAL TESTS

POLY 3	P=0.338
POLY 1.5	P=0.349
POLY 6	P=0.315
RAO-SCOTT	P=0.326
LITTER C-A/FISHERS	P=0.320

Experiment Number: 20614 - 01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 09/17/2018

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First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 107 WEEKS**

Females

DOSE	0/1000 ppm	300/1000 ppm
------	------------	--------------

Uterus, Endometrium (Longitudinal Evaluation)
Hyperplasia

LESION RATES

OVERALL (a)	1/48 (2%)	0/48 (0%)
LITTERS (b)	1/30 (3%)	0/30 (0%)
POLY-3 RATE (c)	1/36.85	0/36.25
POLY-3 PERCENT (g)	2.7%	0%
TERMINAL (d)	1/23 (4%)	0/23 (0%)
FIRST INCIDENCE	744 (T)	---

STATISTICAL TESTS

POLY 3	P=0.503N
POLY 1.5	P=0.500N
POLY 6	P=0.511N
RAO-SCOTT	P=0.554N
LITTER C-A/FISHERS	P=0.500N

Experiment Number: 20614 - 01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 09/17/2018

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First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 107 WEEKS**

Females

DOSE	0/1000 ppm	300/1000 ppm
------	------------	--------------

Uterus, Endometrium (Standard or Longitudinal Evaluation)

Hyperplasia

LESION RATES

OVERALL (a)	1/48 (2%)	0/48 (0%)
LITTERS (b)	1/30 (3%)	0/30 (0%)
POLY-3 RATE (c)	1/36.85	0/36.25
POLY-3 PERCENT (g)	2.7%	0%
TERMINAL (d)	1/23 (4%)	0/23 (0%)
FIRST INCIDENCE	744 (T)	---

STATISTICAL TESTS

POLY 3	P=0.503N
POLY 1.5	P=0.500N
POLY 6	P=0.511N
RAO-SCOTT	P=0.554N
LITTER C-A/FISHERS	P=0.500N

Experiment Number: 20614 - 01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 09/17/2018

Time Report Requested: 14:32:29

First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 107 WEEKS**

Females

DOSE	0/1000 ppm	300/1000 ppm
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Uterus, Endometrium (Standard Evaluation)
Hyperplasia, Cystic

LESION RATES

OVERALL (a)	18/49 (37%)	18/50 (36%)
LITTERS (b)	15/31 (48%)	16/30 (53%)
POLY-3 RATE (c)	18/39.69	18/39.75
POLY-3 PERCENT (g)	45.4%	45.3%
TERMINAL (d)	11/23 (48%)	12/23 (52%)
FIRST INCIDENCE	379	391

STATISTICAL TESTS

POLY 3	P=0.589N
POLY 1.5	P=0.556N
POLY 6	P=0.540
RAO-SCOTT	P=0.569N
LITTER C-A/FISHERS	P=0.448

Experiment Number: 20614 - 01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 09/17/2018

Time Report Requested: 14:32:29

First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 107 WEEKS**

Females

DOSE	0/1000 ppm	300/1000 ppm
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Uterus, Endometrium (Longitudinal Evaluation)
Hyperplasia, Cystic

LESION RATES

OVERALL (a)	27/48 (56%)	27/48 (56%)
LITTERS (b)	20/30 (67%)	17/30 (57%)
POLY-3 RATE (c)	27/43.82	27/42.82
POLY-3 PERCENT (g)	61.6%	63.1%
TERMINAL (d)	13/23 (57%)	14/23 (61%)
FIRST INCIDENCE	253	391

STATISTICAL TESTS

POLY 3	P=0.534
POLY 1.5	P=0.549
POLY 6	P=0.508
RAO-SCOTT	P=0.532
LITTER C-A/FISHERS	P=0.298N

Experiment Number: 20614 - 01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 09/17/2018

Time Report Requested: 14:32:29

First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 107 WEEKS**

Females

DOSE	0/1000 ppm	300/1000 ppm
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Uterus, Endometrium (Standard or Longitudinal Evaluation)
Hyperplasia, Cystic

LESION RATES

OVERALL (a)	27/48 (56%)	27/48 (56%)
LITTERS (b)	20/30 (67%)	17/30 (57%)
POLY-3 RATE (c)	27/43.82	27/42.82
POLY-3 PERCENT (g)	61.6%	63.1%
TERMINAL (d)	13/23 (57%)	14/23 (61%)
FIRST INCIDENCE	253	391

STATISTICAL TESTS

POLY 3	P=0.534
POLY 1.5	P=0.549
POLY 6	P=0.508
RAO-SCOTT	P=0.532
LITTER C-A/FISHERS	P=0.298N

Experiment Number: 20614 - 01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 09/17/2018

Time Report Requested: 14:32:29

First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 107 WEEKS**

Females

DOSE	0/1000 ppm	300/1000 ppm
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Uterus, Endometrium (Standard Evaluation)

Metaplasia

LESION RATES

OVERALL (a)	10/49 (20%)	11/50 (22%)
LITTERS (b)	10/31 (32%)	10/30 (33%)
POLY-3 RATE (c)	10/38.86	11/39.04
POLY-3 PERCENT (g)	25.7%	28.2%
TERMINAL (d)	6/23 (26%)	7/23 (30%)
FIRST INCIDENCE	379	472

STATISTICAL TESTS

POLY 3	P=0.505
POLY 1.5	P=0.524
POLY 6	P=0.466
RAO-SCOTT	P=0.487
LITTER C-A/FISHERS	P=0.572

Experiment Number: 20614 - 01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 09/17/2018

Time Report Requested: 14:32:29

First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 107 WEEKS**

Females

DOSE	0/1000 ppm	300/1000 ppm
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Uterus, Endometrium (Longitudinal Evaluation)
Metaplasia, Squamous

LESION RATES

OVERALL (a)	11/48 (23%)	14/48 (29%)
LITTERS (b)	10/30 (33%)	12/30 (40%)
POLY-3 RATE (c)	11/38.92	14/39.35
POLY-3 PERCENT (g)	28.3%	35.6%
TERMINAL (d)	6/23 (26%)	7/23 (30%)
FIRST INCIDENCE	379	472

STATISTICAL TESTS

POLY 3	P=0.324
POLY 1.5	P=0.329
POLY 6	P=0.309
RAO-SCOTT	P=0.319
LITTER C-A/FISHERS	P=0.395

Experiment Number: 20614 - 01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 09/17/2018

Time Report Requested: 14:32:29

First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 107 WEEKS**

Females

DOSE	0/1000 ppm	300/1000 ppm
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Uterus, Endometrium (Standard or Longitudinal Evaluation)

Metaplasia, Squamous or Metaplasia

LESION RATES

OVERALL (a)	11/48 (23%)	14/48 (29%)
LITTERS (b)	10/30 (33%)	12/30 (40%)
POLY-3 RATE (c)	11/38.92	14/39.35
POLY-3 PERCENT (g)	28.3%	35.6%
TERMINAL (d)	6/23 (26%)	7/23 (30%)
FIRST INCIDENCE	379	472

STATISTICAL TESTS

POLY 3	P=0.324
POLY 1.5	P=0.329
POLY 6	P=0.309
RAO-SCOTT	P=0.319
LITTER C-A/FISHERS	P=0.395

Experiment Number: 20614 - 01
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
Perfluorooctanoic Acid
CAS Number: 335-67-1

Date Report Requested: 09/17/2018
Time Report Requested: 14:32:29
First Dose M/F: 10/27/08 / 10/28/08
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 107 WEEKS**

Females

DOSE	0/1000 ppm	300/1000 ppm
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Uterus, Endometrial Glands (Longitudinal Evaluation)
Hyperplasia

LESION RATES

OVERALL (a)	1/48 (2%)	0/48 (0%)
LITTERS (b)	1/30 (3%)	0/30 (0%)
POLY-3 RATE (c)	1/36.95	0/36.25
POLY-3 PERCENT (g)	2.7%	0%
TERMINAL (d)	0/23 (0%)	0/23 (0%)
FIRST INCIDENCE	718	---

STATISTICAL TESTS

POLY 3	P=0.504N
POLY 1.5	P=0.500N
POLY 6	P=0.512N
RAO-SCOTT	P=0.556N
LITTER C-A/FISHERS	P=0.500N

Experiment Number: 20614 - 01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 09/17/2018

Time Report Requested: 14:32:29

First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 107 WEEKS**

Females

DOSE **0/1000 ppm** **300/1000 ppm**

Uterus, Endometrial Glands (Standard or Longitudinal Evaluation)
Hyperplasia

LESION RATES

OVERALL (a)	1/48 (2%)	0/48 (0%)
LITTERS (b)	1/30 (3%)	0/30 (0%)
POLY-3 RATE (c)	1/36.95	0/36.25
POLY-3 PERCENT (g)	2.7%	0%
TERMINAL (d)	0/23 (0%)	0/23 (0%)
FIRST INCIDENCE	718	---

STATISTICAL TESTS

POLY 3	P=0.504N
POLY 1.5	P=0.500N
POLY 6	P=0.512N
RAO-SCOTT	P=0.556N
LITTER C-A/FISHERS	P=0.500N

Experiment Number: 20614 - 01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 09/17/2018

Time Report Requested: 14:32:29

First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 107 WEEKS**

Females

DOSE	0/1000 ppm	300/1000 ppm
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Vagina (Longitudinal Evaluation)
Hyperplasia, Granular Cell

LESION RATES

OVERALL (a)	2/48 (4%)	1/48 (2%)
LITTERS (b)	2/30 (7%)	1/30 (3%)
POLY-3 RATE (c)	2/37.04	1/36.25
POLY-3 PERCENT (g)	5.4%	2.8%
TERMINAL (d)	1/23 (4%)	1/23 (4%)
FIRST INCIDENCE	695	744 (T)

STATISTICAL TESTS

POLY 3	P=0.508N
POLY 1.5	P=0.501N
POLY 6	P=0.523N
RAO-SCOTT	P=0.485N
LITTER C-A/FISHERS	P=0.500N

Experiment Number: 20614 - 01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 09/17/2018

Time Report Requested: 14:32:29

First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 107 WEEKS**

Females

DOSE	0/1000 ppm	300/1000 ppm
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Vagina (Standard or Longitudinal Evaluation)
Hyperplasia, Granular Cell

LESION RATES

OVERALL (a)	2/48 (4%)	1/48 (2%)
LITTERS (b)	2/30 (7%)	1/30 (3%)
POLY-3 RATE (c)	2/37.04	1/36.25
POLY-3 PERCENT (g)	5.4%	2.8%
TERMINAL (d)	1/23 (4%)	1/23 (4%)
FIRST INCIDENCE	695	744 (T)

STATISTICAL TESTS

POLY 3	P=0.508N
POLY 1.5	P=0.501N
POLY 6	P=0.523N
RAO-SCOTT	P=0.485N
LITTER C-A/FISHERS	P=0.500N

Experiment Number: 20614 - 01

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 09/17/2018

Time Report Requested: 14:32:29

First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

LEGEND

- (a) Number of tumor-bearing animals/number of animals examined at site.
- (b) Number of litters with tumor-bearing animals/number of litters examined at site
- (c) Number of tumor-bearing animals/Poly-3 number
- (d) Observed incidence at terminal kill.
- (e) Value of statistic cannot be computed.
- (f) Beneath the control incidence are the P-values associated with the trend test. Beneath the dosed group incidence are the P-values corresponding to pairwise comparisons between the controls and that dosed group.
- (g) Poly-3 adjusted lifetime tumor incidence.
- (I) Interim sacrifice
- (T) Terminal sacrifice
- # Tumor rates based on numbers of animals necropsied.
- * To the right of any statistical result, indicates significance at ($P \leq 0.05$).
- ** To the right of any statistical result, indicates significance at ($P \leq 0.01$).
- N Indicates a negative trend for all tests
The Rao-Scott statistic performs the Poly-3 test with an adjustment for within-litter correlation.
The Litter C-A/Fishers statistic compares directly the litter incidence rates.

*** END OF REPORT ***