

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: 03/10/2022
Time Report Requested: 11:18:12
First Dose M/F: 10/27/08 / 10/28/08
Lab: BAT

Uterine section report with litter -- 0-0, 150-300, 300-1000

NTP Study Number:	C20614		
Lock Date:	01/10/2012		
Cage Range:	ALL		
Date Range:	ALL		
Reasons For Removal:	25021 TSAC 25016 Aborted	25020 NATD	25019 MSAC
Removal Date Range:	ALL		
Treatment Groups:	Include 002 0/0 ppm	Include 006 150/300 ppm	Include 010 300/1000 ppm
Study Gender:	Both		
TDMSE Version:	2.5.0.0_SFH		
PWG Approval Date:	07/25/2018		

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SUMMARY OF STATISTICALLY SIGNIFICANT ($P \leq .05$) RESULTS IN THE ANALYSIS OF PERFLUOROOCCTANOIC ACID

FEMALE RATS

Organ

Uterus, Cervix (Standard or Longitudinal Evaluation)
Uterus, Endometrium (Standard Evaluation)
Uterus, Endometrium (Standard or Longitudinal Evaluation)
Uterus, Endometrium (Standard Evaluation)
Uterus, Endometrium (Longitudinal Evaluation)
Uterus, Endometrium (Standard or Longitudinal Evaluation)
Vagina (Longitudinal Evaluation)
Vagina (Standard or Longitudinal Evaluation)

Morphology

Stromal Hyperplasia
Hyperplasia, Cystic
Hyperplasia, Cystic
Metaplasia
Metaplasia, Squamous
Metaplasia, Squamous or Metaplasia
Hyperplasia, Granular Cell
Hyperplasia, Granular Cell

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Lab: BAT

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

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm
Uterus (Standard Evaluation)			
Adenomyosis			
LESION RATES			
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/50 (0%)
LITTERS (b)	1/32 (3%)	0/29 (0%)	0/30 (0%)
POLY-3 RATE (c)	1/37.11	0/41.44	0/37.22
POLY-3 PERCENT (g)	2.7%	0%	0%
TERMINAL (d)	0/23 (0%)	0/32 (0%)	0/23 (0%)
FIRST INCIDENCE	661	---	---
STATISTICAL TESTS			
POLY 3	P=0.438N	P=0.478N	P=0.499N
POLY 1.5	P=0.430N	P=0.488N	P=0.499N
POLY 6	P=0.448N	P=0.464N	P=0.502N
RAO-SCOTT	P=0.512N	P=0.578N	P=0.575N
LITTER C-A/FISHERS	P=0.429N	P=0.525N	P=0.516N

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TERMINAL SACRIFICE AT 107 WEEKS**

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm
Uterus (Longitudinal Evaluation)			
Adenomyosis			
<hr/>			
LESION RATES			
OVERALL (a)	2/50 (4%)	1/50 (2%)	0/48 (0%)
LITTERS (b)	2/32 (6%)	1/29 (3%)	0/30 (0%)
POLY-3 RATE (c)	2/37.11	1/41.44	0/36.25
POLY-3 PERCENT (g)	5.4%	2.4%	0%
TERMINAL (d)	1/23 (4%)	1/32 (3%)	0/23 (0%)
FIRST INCIDENCE	661	744 (T)	---
<hr/>			
STATISTICAL TESTS			
POLY 3	P=0.196N	P=0.461N	P=0.241N
POLY 1.5	P=0.193N	P=0.479N	P=0.243N
POLY 6	P=0.203N	P=0.438N	P=0.242N
RAO-SCOTT	P=0.221N	P=0.472N	P=0.268N
LITTER C-A/FISHERS	P=0.192N	P=0.537N	P=0.262N

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TERMINAL SACRIFICE AT 107 WEEKS**

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm
Uterus (Standard or Longitudinal Evaluation)			
Adenomyosis			
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LESION RATES			
OVERALL (a)	2/50 (4%)	1/50 (2%)	0/50 (0%)
LITTERS (b)	2/32 (6%)	1/29 (3%)	0/30 (0%)
POLY-3 RATE (c)	2/37.11	1/41.44	0/37.22
POLY-3 PERCENT (g)	5.4%	2.4%	0%
TERMINAL (d)	1/23 (4%)	1/32 (3%)	0/23 (0%)
FIRST INCIDENCE	661	744 (T)	---
<hr/>			
STATISTICAL TESTS			
POLY 3	P=0.192N	P=0.461N	P=0.236N
POLY 1.5	P=0.187N	P=0.479N	P=0.235N
POLY 6	P=0.200N	P=0.438N	P=0.238N
RAO-SCOTT	P=0.216N	P=0.473N	P=0.262N
LITTER C-A/FISHERS	P=0.192N	P=0.537N	P=0.262N

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

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm
Uterus (Standard Evaluation)			
Angiectasis			
LESION RATES			
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)
LITTERS (b)	0/32 (0%)	1/29 (3%)	0/30 (0%)
POLY-3 RATE (c)	0/36.81	1/41.44	0/37.22
POLY-3 PERCENT (g)	0%	2.4%	0%
TERMINAL (d)	0/23 (0%)	1/32 (3%)	0/23 (0%)
FIRST INCIDENCE	---	744 (T)	---
STATISTICAL TESTS			
POLY 3	P=0.697N	P=0.524	(e)
POLY 1.5	P=0.697N	P=0.513	(e)
POLY 6	P=0.700N	P=0.539	(e)
RAO-SCOTT	P=0.719N	P=0.601	(e)
LITTER C-A/FISHERS	P=0.704N	P=0.475	(e)

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DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm
Uterus (Standard or Longitudinal Evaluation)			
Angiectasis			
<hr/>			
LESION RATES			
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)
LITTERS (b)	0/32 (0%)	1/29 (3%)	0/30 (0%)
POLY-3 RATE (c)	0/36.81	1/41.44	0/37.22
POLY-3 PERCENT (g)	0%	2.4%	0%
TERMINAL (d)	0/23 (0%)	1/32 (3%)	0/23 (0%)
FIRST INCIDENCE	---	744 (T)	---
<hr/>			
STATISTICAL TESTS			
POLY 3	P=0.697N	P=0.524	(e)
POLY 1.5	P=0.697N	P=0.513	(e)
POLY 6	P=0.700N	P=0.539	(e)
RAO-SCOTT	P=0.719N	P=0.601	(e)
LITTER C-A/FISHERS	P=0.704N	P=0.475	(e)

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TERMINAL SACRIFICE AT 107 WEEKS**

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm
Uterus (Longitudinal Evaluation)			
Decidual Alteration			
<hr/>			
LESION RATES			
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/48 (0%)
LITTERS (b)	1/32 (3%)	1/29 (3%)	0/30 (0%)
POLY-3 RATE (c)	1/37.59	1/41.44	0/36.25
POLY-3 PERCENT (g)	2.7%	2.4%	0%
TERMINAL (d)	0/23 (0%)	1/32 (3%)	0/23 (0%)
FIRST INCIDENCE	452	744 (T)	---
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STATISTICAL TESTS			
POLY 3	P=0.372N	P=0.739N	P=0.507N
POLY 1.5	P=0.369N	P=0.749N	P=0.507N
POLY 6	P=0.379N	P=0.723N	P=0.508N
RAO-SCOTT	P=0.390N	P=0.723N	P=0.508N
LITTER C-A/FISHERS	P=0.367N	P=0.729	P=0.516N

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TERMINAL SACRIFICE AT 107 WEEKS**

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm
Uterus (Standard or Longitudinal Evaluation)			
Decidual Alteration			
<hr/>			
LESION RATES			
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/50 (0%)
LITTERS (b)	1/32 (3%)	1/29 (3%)	0/30 (0%)
POLY-3 RATE (c)	1/37.59	1/41.44	0/37.22
POLY-3 PERCENT (g)	2.7%	2.4%	0%
TERMINAL (d)	0/23 (0%)	1/32 (3%)	0/23 (0%)
FIRST INCIDENCE	452	744 (T)	---
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STATISTICAL TESTS			
POLY 3	P=0.367N	P=0.739N	P=0.502N
POLY 1.5	P=0.362N	P=0.749N	P=0.501N
POLY 6	P=0.375N	P=0.723N	P=0.504N
RAO-SCOTT	P=0.384N	P=0.723N	P=0.503N
LITTER C-A/FISHERS	P=0.367N	P=0.729	P=0.516N

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

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm
<hr/>			
Uterus (Standard Evaluation)			
Dilation			
<hr/>			
LESION RATES			
OVERALL (a)	2/50 (4%)	0/50 (0%)	3/50 (6%)
LITTERS (b)	2/32 (6%)	0/29 (0%)	3/30 (10%)
POLY-3 RATE (c)	2/37.22	0/41.44	3/37.32
POLY-3 PERCENT (g)	5.4%	0%	8%
TERMINAL (d)	1/23 (4%)	0/32 (0%)	2/23 (9%)
FIRST INCIDENCE	625	---	718
<hr/>			
STATISTICAL TESTS			
POLY 3	P=0.284	P=0.214N	P=0.501
POLY 1.5	P=0.292	P=0.224N	P=0.502
POLY 6	P=0.271	P=0.200N	P=0.497
RAO-SCOTT	P=0.319	P=0.259N	P=0.503
LITTER C-A/FISHERS	P=0.284	P=0.271N	P=0.469

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

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm

Uterus (Longitudinal Evaluation)
Dilation

LESION RATES

OVERALL (a)	2/50 (4%)	0/50 (0%)	2/48 (4%)
LITTERS (b)	2/32 (6%)	0/29 (0%)	2/30 (7%)
POLY-3 RATE (c)	2/37.22	0/41.44	2/36.25
POLY-3 PERCENT (g)	5.4%	0%	5.5%
TERMINAL (d)	1/23 (4%)	0/32 (0%)	2/23 (9%)
FIRST INCIDENCE	625	---	744 (T)

STATISTICAL TESTS

POLY 3	P=0.514	P=0.214N	P=0.686
POLY 1.5	P=0.521	P=0.224N	P=0.684
POLY 6	P=0.502	P=0.200N	P=0.685
RAO-SCOTT	P=0.529	P=0.268N	P=0.667
LITTER C-A/FISHERS	P=0.525	P=0.271N	P=0.669

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TERMINAL SACRIFICE AT 107 WEEKS

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm
Uterus (Standard or Longitudinal Evaluation)			
Dilation			
LESION RATES			
OVERALL (a)	2/50 (4%)	0/50 (0%)	3/50 (6%)
LITTERS (b)	2/32 (6%)	0/29 (0%)	3/30 (10%)
POLY-3 RATE (c)	2/37.22	0/41.44	3/37.32
POLY-3 PERCENT (g)	5.4%	0%	8%
TERMINAL (d)	1/23 (4%)	0/32 (0%)	2/23 (9%)
FIRST INCIDENCE	625	---	718
STATISTICAL TESTS			
POLY 3	P=0.284	P=0.214N	P=0.501
POLY 1.5	P=0.292	P=0.224N	P=0.502
POLY 6	P=0.271	P=0.200N	P=0.497
RAO-SCOTT	P=0.319	P=0.259N	P=0.503
LITTER C-A/FISHERS	P=0.284	P=0.271N	P=0.469

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

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm
Uterus (Longitudinal Evaluation)			
Hyperplasia, Atypical			
LESION RATES			
OVERALL (a)	3/50 (6%)	7/50 (14%)	3/48 (6%)
LITTERS (b)	3/32 (9%)	6/29 (21%)	3/30 (10%)
POLY-3 RATE (c)	3/37.18	7/41.44	3/36.25
POLY-3 PERCENT (g)	8.1%	16.9%	8.3%
TERMINAL (d)	2/23 (9%)	7/32 (22%)	3/23 (13%)
FIRST INCIDENCE	638	744 (T)	744 (T)
STATISTICAL TESTS			
POLY 3	P=0.475N	P=0.202	P=0.652
POLY 1.5	P=0.472N	P=0.181	P=0.650
POLY 6	P=0.487N	P=0.235	P=0.651
RAO-SCOTT	P=0.480N	P=0.224	P=0.628
LITTER C-A/FISHERS	P=0.514N	P=0.189	P=0.633

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TERMINAL SACRIFICE AT 107 WEEKS**

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm
Uterus (Standard or Longitudinal Evaluation)			
Hyperplasia, Atypical			
LESION RATES			
OVERALL (a)	3/50 (6%)	7/50 (14%)	3/50 (6%)
LITTERS (b)	3/32 (9%)	6/29 (21%)	3/30 (10%)
POLY-3 RATE (c)	3/37.18	7/41.44	3/37.22
POLY-3 PERCENT (g)	8.1%	16.9%	8.1%
TERMINAL (d)	2/23 (9%)	7/32 (22%)	3/23 (13%)
FIRST INCIDENCE	638	744 (T)	744 (T)
STATISTICAL TESTS			
POLY 3	P=0.458N	P=0.202	P=0.664N
POLY 1.5	P=0.451N	P=0.181	P=0.661N
POLY 6	P=0.477N	P=0.235	P=0.660
RAO-SCOTT	P=0.464N	P=0.225	P=0.637N
LITTER C-A/FISHERS	P=0.514N	P=0.189	P=0.633

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TERMINAL SACRIFICE AT 107 WEEKS**

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm
Uterus (Standard Evaluation)			
Inflammation			
<hr/>			
LESION RATES			
OVERALL (a)	0/50 (0%)	3/50 (6%)	1/50 (2%)
LITTERS (b)	0/32 (0%)	3/29 (10%)	1/30 (3%)
POLY-3 RATE (c)	0/36.81	3/41.54	1/37.90
POLY-3 PERCENT (g)	0%	7.2%	2.6%
TERMINAL (d)	0/23 (0%)	2/32 (6%)	0/23 (0%)
FIRST INCIDENCE	---	718	508
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STATISTICAL TESTS			
POLY 3	P=0.609	P=0.141	P=0.506
POLY 1.5	P=0.602	P=0.131	P=0.504
POLY 6	P=0.613	P=0.158	P=0.507
RAO-SCOTT	P=0.580	P=0.178	P=0.499
LITTER C-A/FISHERS	P=0.573	P=0.102	P=0.484

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TERMINAL SACRIFICE AT 107 WEEKS**

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm
Uterus (Standard or Longitudinal Evaluation)			
Inflammation			
<hr/>			
LESION RATES			
OVERALL (a)	0/50 (0%)	3/50 (6%)	1/50 (2%)
LITTERS (b)	0/32 (0%)	3/29 (10%)	1/30 (3%)
POLY-3 RATE (c)	0/36.81	3/41.54	1/37.90
POLY-3 PERCENT (g)	0%	7.2%	2.6%
TERMINAL (d)	0/23 (0%)	2/32 (6%)	0/23 (0%)
FIRST INCIDENCE	---	718	508
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STATISTICAL TESTS			
POLY 3	P=0.609	P=0.141	P=0.506
POLY 1.5	P=0.602	P=0.131	P=0.504
POLY 6	P=0.613	P=0.158	P=0.507
RAO-SCOTT	P=0.580	P=0.178	P=0.499
LITTER C-A/FISHERS	P=0.573	P=0.102	P=0.484

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Lab: BAT

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

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm
Uterus (Standard Evaluation)			
Inflammation, Acute			
LESION RATES			
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)
LITTERS (b)	0/32 (0%)	0/29 (0%)	1/30 (3%)
POLY-3 RATE (c)	0/36.81	0/41.44	1/38.08
POLY-3 PERCENT (g)	0%	0%	2.6%
TERMINAL (d)	0/23 (0%)	0/32 (0%)	0/23 (0%)
FIRST INCIDENCE	---	---	391
STATISTICAL TESTS			
POLY 3	P=0.307	(e)	P=0.507
POLY 1.5	P=0.306	(e)	P=0.505
POLY 6	P=0.305	(e)	P=0.507
RAO-SCOTT	P=0.422	(e)	P=0.588
LITTER C-A/FISHERS	P=0.296	(e)	P=0.484

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: 03/10/2022

Time Report Requested: 11:18:12

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**

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm
Uterus (Standard or Longitudinal Evaluation)			
Inflammation, Acute			
LESION RATES			
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)
LITTERS (b)	0/32 (0%)	0/29 (0%)	1/30 (3%)
POLY-3 RATE (c)	0/36.81	0/41.44	1/38.08
POLY-3 PERCENT (g)	0%	0%	2.6%
TERMINAL (d)	0/23 (0%)	0/32 (0%)	0/23 (0%)
FIRST INCIDENCE	---	---	391
STATISTICAL TESTS			
POLY 3	P=0.307	(e)	P=0.507
POLY 1.5	P=0.306	(e)	P=0.505
POLY 6	P=0.305	(e)	P=0.507
RAO-SCOTT	P=0.422	(e)	P=0.588
LITTER C-A/FISHERS	P=0.296	(e)	P=0.484

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: 03/10/2022
Time Report Requested: 11:18:12
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**

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm
Uterus (Standard Evaluation) Inflammation, Chronic Active			
LESION RATES			
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)
LITTERS (b)	2/32 (6%)	0/29 (0%)	0/30 (0%)
POLY-3 RATE (c)	2/37.34	0/41.44	0/37.22
POLY-3 PERCENT (g)	5.4%	0%	0%
TERMINAL (d)	0/23 (0%)	0/32 (0%)	0/23 (0%)
FIRST INCIDENCE	625	---	---
STATISTICAL TESTS			
POLY 3	P=0.202N	P=0.214N	P=0.237N
POLY 1.5	P=0.196N	P=0.224N	P=0.236N
POLY 6	P=0.210N	P=0.201N	P=0.240N
RAO-SCOTT	P=0.295N	P=0.334N	P=0.343N
LITTER C-A/FISHERS	P=0.198N	P=0.271N	P=0.262N

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: 03/10/2022

Time Report Requested: 11:18:12

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**

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm
Uterus (Longitudinal Evaluation)			
Inflammation, Chronic Active			
LESION RATES			
OVERALL (a)	1/50 (2%)	0/50 (0%)	0/48 (0%)
LITTERS (b)	1/32 (3%)	0/29 (0%)	0/30 (0%)
POLY-3 RATE (c)	1/37.22	0/41.44	0/36.25
POLY-3 PERCENT (g)	2.7%	0%	0%
TERMINAL (d)	0/23 (0%)	0/32 (0%)	0/23 (0%)
FIRST INCIDENCE	625	---	---
STATISTICAL TESTS			
POLY 3	P=0.443N	P=0.479N	P=0.505N
POLY 1.5	P=0.436N	P=0.488N	P=0.506N
POLY 6	P=0.453N	P=0.465N	P=0.506N
RAO-SCOTT	P=0.529N	P=0.589N	P=0.592N
LITTER C-A/FISHERS	P=0.429N	P=0.525N	P=0.516N

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: 03/10/2022

Time Report Requested: 11:18:12

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**

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm
Uterus (Standard or Longitudinal Evaluation)			
Inflammation, Chronic Active			
LESION RATES			
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)
LITTERS (b)	2/32 (6%)	0/29 (0%)	0/30 (0%)
POLY-3 RATE (c)	2/37.34	0/41.44	0/37.22
POLY-3 PERCENT (g)	5.4%	0%	0%
TERMINAL (d)	0/23 (0%)	0/32 (0%)	0/23 (0%)
FIRST INCIDENCE	625	---	---
STATISTICAL TESTS			
POLY 3	P=0.202N	P=0.214N	P=0.237N
POLY 1.5	P=0.196N	P=0.224N	P=0.236N
POLY 6	P=0.210N	P=0.201N	P=0.240N
RAO-SCOTT	P=0.295N	P=0.334N	P=0.343N
LITTER C-A/FISHERS	P=0.198N	P=0.271N	P=0.262N

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: 03/10/2022

Time Report Requested: 11:18:12

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**

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm
Uterus, Cervix (Standard Evaluation)			
Hypertrophy			
LESION RATES			
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)
LITTERS (b)	0/32 (0%)	1/29 (3%)	0/30 (0%)
POLY-3 RATE (c)	0/36.81	1/41.44	0/37.22
POLY-3 PERCENT (g)	0%	2.4%	0%
TERMINAL (d)	0/23 (0%)	1/32 (3%)	0/23 (0%)
FIRST INCIDENCE	---	744 (T)	---
STATISTICAL TESTS			
POLY 3	P=0.697N	P=0.524	(e)
POLY 1.5	P=0.697N	P=0.513	(e)
POLY 6	P=0.700N	P=0.539	(e)
RAO-SCOTT	P=0.713N	P=0.591	(e)
LITTER C-A/FISHERS	P=0.704N	P=0.475	(e)

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: 03/10/2022

Time Report Requested: 11:18:12

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**

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm
Uterus, Cervix (Standard or Longitudinal Evaluation)			
Hypertrophy			
LESION RATES			
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)
LITTERS (b)	0/32 (0%)	1/29 (3%)	0/30 (0%)
POLY-3 RATE (c)	0/36.81	1/41.44	0/37.22
POLY-3 PERCENT (g)	0%	2.4%	0%
TERMINAL (d)	0/23 (0%)	1/32 (3%)	0/23 (0%)
FIRST INCIDENCE	---	744 (T)	---
STATISTICAL TESTS			
POLY 3	P=0.697N	P=0.524	(e)
POLY 1.5	P=0.697N	P=0.513	(e)
POLY 6	P=0.700N	P=0.539	(e)
RAO-SCOTT	P=0.713N	P=0.591	(e)
LITTER C-A/FISHERS	P=0.704N	P=0.475	(e)

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: 03/10/2022

Time Report Requested: 11:18:12

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**

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm
Uterus, Cervix (Standard Evaluation)			
Stromal Hyperplasia			
<hr/>			
LESION RATES			
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)
LITTERS (b)	0/32 (0%)	1/29 (3%)	0/30 (0%)
POLY-3 RATE (c)	0/36.81	1/41.54	0/37.22
POLY-3 PERCENT (g)	0%	2.4%	0%
TERMINAL (d)	0/23 (0%)	0/32 (0%)	0/23 (0%)
FIRST INCIDENCE	---	718	---
<hr/>			
STATISTICAL TESTS			
POLY 3	P=0.698N	P=0.524	(e)
POLY 1.5	P=0.697N	P=0.513	(e)
POLY 6	P=0.700N	P=0.540	(e)
RAO-SCOTT	P=0.717N	P=0.598	(e)
LITTER C-A/FISHERS	P=0.704N	P=0.475	(e)

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: 03/10/2022

Time Report Requested: 11:18:12

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**

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm
Uterus, Cervix (Longitudinal Evaluation)			
Stromal Hyperplasia			
LESION RATES			
OVERALL (a)	0/50 (0%)	3/50 (6%)	2/48 (4%)
LITTERS (b)	0/32 (0%)	3/29 (10%)	2/30 (7%)
POLY-3 RATE (c)	0/36.81	3/41.56	2/37.29
POLY-3 PERCENT (g)	0%	7.2%	5.4%
TERMINAL (d)	0/23 (0%)	2/32 (6%)	0/23 (0%)
FIRST INCIDENCE	---	714	391
STATISTICAL TESTS			
POLY 3	P=0.349	P=0.141	P=0.239
POLY 1.5	P=0.340	P=0.131	P=0.235
POLY 6	P=0.356	P=0.158	P=0.242
RAO-SCOTT	P=0.347	P=0.168	P=0.256
LITTER C-A/FISHERS	P=0.322	P=0.102	P=0.230

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: 03/10/2022

Time Report Requested: 11:18:12

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**

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm
Uterus, Cervix (Standard or Longitudinal Evaluation)			
Stromal Hyperplasia			
LESION RATES			
OVERALL (a)	0/50 (0%)	4/50 (8%)	2/50 (4%)
LITTERS (b)	0/32 (0%)	4/29 (14%)	2/30 (7%)
POLY-3 RATE (c)	0/36.81	4/41.66	2/38.26
POLY-3 PERCENT (g)	0%	9.6%	5.2%
TERMINAL (d)	0/23 (0%)	2/32 (6%)	0/23 (0%)
FIRST INCIDENCE	---	714	391
STATISTICAL TESTS			
POLY 3	P=0.427	P=0.077	P=0.245
POLY 1.5	P=0.419	P=0.069	P=0.243
POLY 6	P=0.432	P=0.090	P=0.246
RAO-SCOTT	P=0.408	P=0.098	P=0.252
LITTER C-A/FISHERS	P=0.382	P=0.046*	P=0.230

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: 03/10/2022

Time Report Requested: 11:18:12

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**

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm
Uterus, Cervix, Epithelium (Longitudinal Evaluation)			
Basal Cell Hyperplasia			
LESION RATES			
OVERALL (a)	6/50 (12%)	6/50 (12%)	4/48 (8%)
LITTERS (b)	6/32 (19%)	5/29 (17%)	4/30 (13%)
POLY-3 RATE (c)	6/37.61	6/41.54	4/36.25
POLY-3 PERCENT (g)	16%	14.4%	11%
TERMINAL (d)	4/23 (17%)	5/32 (16%)	4/23 (17%)
FIRST INCIDENCE	589	718	744 (T)
STATISTICAL TESTS			
POLY 3	P=0.350N	P=0.550N	P=0.391N
POLY 1.5	P=0.341N	P=0.582N	P=0.390N
POLY 6	P=0.370N	P=0.504N	P=0.398N
RAO-SCOTT	P=0.341N	P=0.533N	P=0.376N
LITTER C-A/FISHERS	P=0.361N	P=0.573N	P=0.409N

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: 03/10/2022

Time Report Requested: 11:18:12

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

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm

Uterus, Cervix, Epithelium (Standard or Longitudinal Evaluation)

Basal Cell Hyperplasia

LESION RATES

OVERALL (a)	6/50 (12%)	6/50 (12%)	4/48 (8%)
LITTERS (b)	6/32 (19%)	5/29 (17%)	4/30 (13%)
POLY-3 RATE (c)	6/37.61	6/41.54	4/36.25
POLY-3 PERCENT (g)	16%	14.4%	11%
TERMINAL (d)	4/23 (17%)	5/32 (16%)	4/23 (17%)
FIRST INCIDENCE	589	718	744 (T)

STATISTICAL TESTS

POLY 3	P=0.350N	P=0.550N	P=0.391N
POLY 1.5	P=0.341N	P=0.582N	P=0.390N
POLY 6	P=0.370N	P=0.504N	P=0.398N
RAO-SCOTT	P=0.341N	P=0.533N	P=0.376N
LITTER C-A/FISHERS	P=0.361N	P=0.573N	P=0.409N

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: 03/10/2022

Time Report Requested: 11:18:12

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**

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm
Uterus, Endometrium (Standard Evaluation)			
Hyperplasia, Cystic			
LESION RATES			
OVERALL (a)	20/50 (40%)	31/50 (62%)	18/50 (36%)
LITTERS (b)	16/32 (50%)	22/29 (76%)	16/30 (53%)
POLY-3 RATE (c)	20/40.87	31/45.18	18/39.75
POLY-3 PERCENT (g)	48.9%	68.6%	45.3%
TERMINAL (d)	10/23 (44%)	22/32 (69%)	12/23 (52%)
FIRST INCIDENCE	312	322	391
STATISTICAL TESTS			
POLY 3	P=0.233N	P=0.044*	P=0.457N
POLY 1.5	P=0.201N	P=0.029*	P=0.434N
POLY 6	P=0.301N	P=0.077	P=0.504N
RAO-SCOTT	P=0.245N	P=0.054	P=0.447N
LITTER C-A/FISHERS	P=0.497N	P=0.034*	P=0.497

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: 03/10/2022

Time Report Requested: 11:18:12

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**

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm

Uterus, Endometrium (Longitudinal Evaluation)
Hyperplasia, Cystic

LESION RATES

OVERALL (a)	29/50 (58%)	36/50 (72%)	27/48 (56%)
LITTERS (b)	23/32 (72%)	25/29 (86%)	17/30 (57%)
POLY-3 RATE (c)	29/43.04	36/47.07	27/42.82
POLY-3 PERCENT (g)	67.4%	76.5%	63.1%
TERMINAL (d)	15/23 (65%)	24/32 (75%)	14/23 (61%)
FIRST INCIDENCE	274	322	391

STATISTICAL TESTS

POLY 3	P=0.269N	P=0.225	P=0.419N
POLY 1.5	P=0.290N	P=0.161	P=0.454N
POLY 6	P=0.279N	P=0.325	P=0.406N
RAO-SCOTT	P=0.294N	P=0.246	P=0.425N
LITTER C-A/FISHERS	P=0.062N	P=0.146	P=0.162N

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: 03/10/2022

Time Report Requested: 11:18:12

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**

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm
Uterus, Endometrium (Standard or Longitudinal Evaluation)			
Hyperplasia, Cystic			
LESION RATES			
OVERALL (a)	30/50 (60%)	36/50 (72%)	27/50 (54%)
LITTERS (b)	24/32 (75%)	25/29 (86%)	17/30 (57%)
POLY-3 RATE (c)	30/43.96	36/47.07	27/43.79
POLY-3 PERCENT (g)	68.2%	76.5%	61.7%
TERMINAL (d)	15/23 (65%)	24/32 (75%)	14/23 (61%)
FIRST INCIDENCE	274	322	391
STATISTICAL TESTS			
POLY 3	P=0.199N	P=0.252	P=0.329N
POLY 1.5	P=0.195N	P=0.192	P=0.338N
POLY 6	P=0.227N	P=0.351	P=0.338N
RAO-SCOTT	P=0.220N	P=0.270	P=0.341N
LITTER C-A/FISHERS	P=0.036N*	P=0.220	P=0.104N

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: 03/10/2022

Time Report Requested: 11:18:12

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**

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm
Uterus, Endometrium (Standard Evaluation)			
Metaplasia			
LESION RATES			
OVERALL (a)	18/50 (36%)	21/50 (42%)	11/50 (22%)
LITTERS (b)	15/32 (47%)	16/29 (55%)	10/30 (33%)
POLY-3 RATE (c)	18/39.96	21/43.55	11/39.04
POLY-3 PERCENT (g)	45.1%	48.2%	28.2%
TERMINAL (d)	9/23 (39%)	17/32 (53%)	7/23 (30%)
FIRST INCIDENCE	574	322	472
STATISTICAL TESTS			
POLY 3	P=0.051N	P=0.471	P=0.087N
POLY 1.5	P=0.045N*	P=0.419	P=0.084N
POLY 6	P=0.068N	P=0.530	P=0.101N
RAO-SCOTT	P=0.056N	P=0.462	P=0.093N
LITTER C-A/FISHERS	P=0.126N	P=0.348	P=0.204N

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: 03/10/2022
Time Report Requested: 11:18:12
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**

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm
Uterus, Endometrium (Longitudinal Evaluation)			
Metaplasia, Squamous			
LESION RATES			
OVERALL (a)	24/50 (48%)	25/50 (50%)	14/48 (29%)
LITTERS (b)	20/32 (63%)	20/29 (69%)	12/30 (40%)
POLY-3 RATE (c)	24/42.15	25/44.60	14/39.35
POLY-3 PERCENT (g)	56.9%	56.1%	35.6%
TERMINAL (d)	12/23 (52%)	19/32 (59%)	7/23 (30%)
FIRST INCIDENCE	312	322	472
STATISTICAL TESTS			
POLY 3	P=0.023N*	P=0.554N	P=0.037N*
POLY 1.5	P=0.022N*	P=0.564	P=0.038N*
POLY 6	P=0.028N*	P=0.485N	P=0.040N*
RAO-SCOTT	P=0.024N*	P=0.542N	P=0.040N*
LITTER C-A/FISHERS	P=0.029N*	P=0.398	P=0.064N

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: 03/10/2022

Time Report Requested: 11:18:12

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**

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm

Uterus, Endometrium (Standard or Longitudinal Evaluation)
Metaplasia, Squamous or Metaplasia

LESION RATES

OVERALL (a)	24/50 (48%)	25/50 (50%)	14/50 (28%)
LITTERS (b)	20/32 (63%)	20/29 (69%)	12/30 (40%)
POLY-3 RATE (c)	24/42.15	25/44.60	14/40.32
POLY-3 PERCENT (g)	56.9%	56.1%	34.7%
TERMINAL (d)	12/23 (52%)	19/32 (59%)	7/23 (30%)
FIRST INCIDENCE	312	322	472

STATISTICAL TESTS

POLY 3	P=0.018N*	P=0.554N	P=0.030N*
POLY 1.5	P=0.015N*	P=0.564	P=0.029N*
POLY 6	P=0.024N*	P=0.485N	P=0.034N*
RAO-SCOTT	P=0.019N*	P=0.542N	P=0.033N*
LITTER C-A/FISHERS	P=0.029N*	P=0.398	P=0.064N

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: 03/10/2022

Time Report Requested: 11:18:12

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**

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm
Uterus, Endometrial Glands (Longitudinal Evaluation)			
Hyperplasia			
LESION RATES			
OVERALL (a)	1/50 (2%)	5/50 (10%)	0/48 (0%)
LITTERS (b)	1/32 (3%)	5/29 (17%)	0/30 (0%)
POLY-3 RATE (c)	1/36.81	5/41.44	0/36.25
POLY-3 PERCENT (g)	2.7%	12.1%	0%
TERMINAL (d)	1/23 (4%)	5/32 (16%)	0/23 (0%)
FIRST INCIDENCE	744 (T)	744 (T)	---
STATISTICAL TESTS			
POLY 3	P=0.224N	P=0.130	P=0.503N
POLY 1.5	P=0.228N	P=0.116	P=0.505N
POLY 6	P=0.223N	P=0.151	P=0.502N
RAO-SCOTT	P=0.279N	P=0.178	P=0.516N
LITTER C-A/FISHERS	P=0.241N	P=0.077	P=0.516N

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: 03/10/2022

Time Report Requested: 11:18:12

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**

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm

Uterus, Endometrial Glands (Standard or Longitudinal Evaluation)
Hyperplasia

LESION RATES

OVERALL (a)	1/50 (2%)	5/50 (10%)	0/50 (0%)
LITTERS (b)	1/32 (3%)	5/29 (17%)	0/30 (0%)
POLY-3 RATE (c)	1/36.81	5/41.44	0/37.22
POLY-3 PERCENT (g)	2.7%	12.1%	0%
TERMINAL (d)	1/23 (4%)	5/32 (16%)	0/23 (0%)
FIRST INCIDENCE	744 (T)	744 (T)	---

STATISTICAL TESTS

POLY 3	P=0.217N	P=0.130	P=0.498N
POLY 1.5	P=0.219N	P=0.116	P=0.498N
POLY 6	P=0.220N	P=0.151	P=0.499N
RAO-SCOTT	P=0.271N	P=0.179	P=0.511N
LITTER C-A/FISHERS	P=0.241N	P=0.077	P=0.516N

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: 03/10/2022

Time Report Requested: 11:18:12

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**

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm

Vagina (Longitudinal Evaluation)
Hyperplasia, Granular Cell

LESION RATES

OVERALL (a)	4/50 (8%)	0/50 (0%)	1/48 (2%)
LITTERS (b)	4/32 (13%)	0/29 (0%)	1/30 (3%)
POLY-3 RATE (c)	4/37.72	0/41.44	1/36.25
POLY-3 PERCENT (g)	10.6%	0%	2.8%
TERMINAL (d)	2/23 (9%)	0/32 (0%)	1/23 (4%)
FIRST INCIDENCE	543	---	744 (T)

STATISTICAL TESTS

POLY 3	P=0.209N	P=0.048N*	P=0.188N
POLY 1.5	P=0.202N	P=0.053N	P=0.188N
POLY 6	P=0.220N	P=0.042N*	P=0.191N
RAO-SCOTT	P=0.234N	P=0.081N	P=0.223N
LITTER C-A/FISHERS	P=0.198N	P=0.069N	P=0.198N

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: 03/10/2022

Time Report Requested: 11:18:12

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**

DOSE	Females		
	0/0 ppm	150/300 ppm	300/1000 ppm

Vagina (Standard or Longitudinal Evaluation)
Hyperplasia, Granular Cell

LESION RATES

OVERALL (a)	4/50 (8%)	0/50 (0%)	1/50 (2%)
LITTERS (b)	4/32 (13%)	0/29 (0%)	1/30 (3%)
POLY-3 RATE (c)	4/37.72	0/41.44	1/37.22
POLY-3 PERCENT (g)	10.6%	0%	2.7%
TERMINAL (d)	2/23 (9%)	0/32 (0%)	1/23 (4%)
FIRST INCIDENCE	543	---	744 (T)

STATISTICAL TESTS

POLY 3	P=0.201N	P=0.048N*	P=0.180N
POLY 1.5	P=0.193N	P=0.053N	P=0.179N
POLY 6	P=0.213N	P=0.042N*	P=0.186N
RAO-SCOTT	P=0.228N	P=0.082N	P=0.216N
LITTER C-A/FISHERS	P=0.198N	P=0.069N	P=0.198N

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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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 ***