

Experiment Number: 06100 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorohexane sulfonate potassium salt (PFHSKslt)

CAS Number: 3871-99-6

Date Report Requested: 02/06/2018

Time Report Requested: 12:34:33

First Dose M/F: 02/09/12 / 02/10/12

Lab: BAT

PFHSKslt_Final 1

NTP Study Number: C06100
Lock Date: 01/22/2016
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 3.0.2.3_002
PWG Approval Date: NONE

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SUMMARY OF STATISTICALLY SIGNIFICANT ($P \leq .05$) RESULTS IN THE ANALYSIS OF PERFLUOROHEXANE SULFONATE POTASSIUM SALT (PFHSKSLT)

MALE RATS

Organ

Heart

Kidney

Liver: Hepatocyte

Nose: Respiratory Epithelium

Morphology

Cardiomyopathy

Nephropathy Chronic Progressive

Hypertrophy

Hyperplasia

Inflammation Chronic

FEMALE RATS

Organ

Nose: Olfactory Epithelium

Uterus

Uterus: Bilateral

Morphology

Degeneration

Hyperplasia

Inflammation

Dilation

Dilation

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Males					
	0mg/kg/d M	.625mg/kg/d M	1.25mg/kg/d M	2.5mg/kg/d M	5mg/kg/d M	10mg/kg/d M
Epididymis: Duct Exfoliated Germ Cell						
LESION RATES						
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	29 (T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500N
COCH-ARM / FISHERS	P=0.304N	(e)	(e)	(e)	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.158N

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DOSE	Males					
	0mg/kg/d M	.625mg/kg/d M	1.25mg/kg/d M	2.5mg/kg/d M	5mg/kg/d M	10mg/kg/d M
Heart						
Cardiomyopathy						
LESION RATES						
OVERALL (a)	3/10 (30%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	3/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	30%	0%	0%	0%	0%	0%
TERMINAL (d)	3/10 (30%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	29 (T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.095N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.095N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.095N
COCH-ARM / FISHERS	P=0.059N	(e)	(e)	(e)	(e)	P=0.105N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.025N*

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DOSE	Males					
	0mg/kg/d M	.625mg/kg/d M	1.25mg/kg/d M	2.5mg/kg/d M	5mg/kg/d M	10mg/kg/d M
Kidney						
Nephropathy Chronic Progressive						
LESION RATES						
OVERALL (a)	8/10 (80%)	6/10 (60%)	8/10 (80%)	7/10 (70%)	5/10 (50%)	3/10 (30%)
POLY-3 RATE (b)	8/10.00	6/10.00	8/10.00	7/10.00	5/10.00	3/10.00
POLY-3 PERCENT (g)	80%	60%	80%	70%	50%	30%
TERMINAL (d)	8/10 (80%)	6/10 (60%)	8/10 (80%)	7/10 (70%)	5/10 (50%)	3/10 (30%)
FIRST INCIDENCE	29 (T)	29 (T)	29 (T)	29 (T)	29 (T)	29 (T)
STATISTICAL TESTS						
POLY 3	P=0.008N**	P=0.318N	P=0.702	P=0.500N	P=0.174N	P=0.024N*
POLY 1.5	P=0.008N**	P=0.318N	P=0.702	P=0.500N	P=0.174N	P=0.024N*
POLY 6	P=0.008N**	P=0.318N	P=0.702	P=0.500N	P=0.174N	P=0.024N*
COCH-ARM / FISHERS	P=0.009N**	P=0.314N	P=0.709N	P=0.500N	P=0.175N	P=0.035N*
MAX-ISO-POLY-3	P=0.008N**	P=0.172N	P=1.000	P=0.310N	P=0.079N	P=0.007N**

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TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Males					
	0mg/kg/d M	.625mg/kg/d M	1.25mg/kg/d M	2.5mg/kg/d M	5mg/kg/d M	10mg/kg/d M
Liver: Hepatocyte Hypertrophy						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	4/10 (40%)	9/10 (90%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	4/10.00	9/10.00	10/10.00
POLY-3 PERCENT (g)	0%	0%	0%	40%	90%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	4/10 (40%)	9/10 (90%)	10/10 (100%)
FIRST INCIDENCE	---	---	---	29 (T)	29 (T)	29 (T)
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	P=0.033*	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	(e)	(e)	P=0.033*	P<0.001**	P<0.001**
POLY 6	P<0.001**	(e)	(e)	P=0.033*	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	P=0.043*	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	P=0.007**	P<0.001**	(e)

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DOSE	Males					
	0mg/kg/d M	.625mg/kg/d M	1.25mg/kg/d M	2.5mg/kg/d M	5mg/kg/d M	10mg/kg/d M
Lung						
Infiltration Cellular						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

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DOSE	Males					
	0mg/kg/d M	.625mg/kg/d M	1.25mg/kg/d M	2.5mg/kg/d M	5mg/kg/d M	10mg/kg/d M
Lung						
Inflammation Granulomatous						
LESION RATES						
OVERALL (a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	29 (T)	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500N
COCH-ARM / FISHERS	P=0.304N	(e)	(e)	(e)	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.158N

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DOSE	Males					
	0mg/kg/d M	.625mg/kg/d M	1.25mg/kg/d M	2.5mg/kg/d M	5mg/kg/d M	10mg/kg/d M
Nose: Olfactory Epithelium Degeneration						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

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DOSE	Males					
	0mg/kg/d M	.625mg/kg/d M	1.25mg/kg/d M	2.5mg/kg/d M	5mg/kg/d M	10mg/kg/d M
Nose: Olfactory Epithelium Hyperplasia						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

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DOSE	Males					
	0mg/kg/d M	.625mg/kg/d M	1.25mg/kg/d M	2.5mg/kg/d M	5mg/kg/d M	10mg/kg/d M
Nose: Olfactory Epithelium Inflammation						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

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DOSE	Males					
	0mg/kg/d M	.625mg/kg/d M	1.25mg/kg/d M	2.5mg/kg/d M	5mg/kg/d M	10mg/kg/d M
Nose: Respiratory Epithelium Hyperplasia						
LESION RATES						
OVERALL (a)	3/10 (30%)	0/10 (0%)	1/10 (10%)	4/10 (40%)	0/10 (0%)	4/10 (40%)
POLY-3 RATE (b)	3/10.00	0/10.00	1/10.00	4/10.00	0/10.00	4/10.00
POLY-3 PERCENT (g)	30%	0%	10%	40%	0%	40%
TERMINAL (d)	3/10 (30%)	0/10 (0%)	1/10 (10%)	4/10 (40%)	0/10 (0%)	4/10 (40%)
FIRST INCIDENCE	29 (T)	---	29 (T)	29 (T)	---	29 (T)
STATISTICAL TESTS						
POLY 3	P=0.161	P=0.095N	P=0.292N	P=0.500	P=0.095N	P=0.500
POLY 1.5	P=0.161	P=0.095N	P=0.292N	P=0.500	P=0.095N	P=0.500
POLY 6	P=0.161	P=0.095N	P=0.292N	P=0.500	P=0.095N	P=0.500
COCH-ARM / FISHERS	P=0.173	P=0.105N	P=0.291N	P=0.500	P=0.105N	P=0.500
MAX-ISO-POLY-3	P=0.058	P=0.025N*	P=0.136N	P=0.325	P=0.025N*	P=0.325

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DOSE	Males					
	0mg/kg/d M	.625mg/kg/d M	1.25mg/kg/d M	2.5mg/kg/d M	5mg/kg/d M	10mg/kg/d M
Nose: Respiratory Epithelium Inflammation Chronic						
LESION RATES						
OVERALL (a)	5/10 (50%)	0/10 (0%)	1/10 (10%)	5/10 (50%)	4/10 (40%)	8/10 (80%)
POLY-3 RATE (b)	5/10.00	0/10.00	1/10.00	5/10.00	4/10.00	8/10.00
POLY-3 PERCENT (g)	50%	0%	10%	50%	40%	80%
TERMINAL (d)	5/10 (50%)	0/10 (0%)	1/10 (10%)	5/10 (50%)	4/10 (40%)	8/10 (80%)
FIRST INCIDENCE	29 (T)	---	29 (T)	29 (T)	29 (T)	29 (T)
STATISTICAL TESTS						
POLY 3	P<0.001**	P=0.008N**	P=0.061N	P=0.664	P=0.500N	P=0.174
POLY 1.5	P<0.001**	P=0.008N**	P=0.061N	P=0.664	P=0.500N	P=0.174
POLY 6	P<0.001**	P=0.008N**	P=0.061N	P=0.664	P=0.500N	P=0.174
COCH-ARM / FISHERS	P=0.002**	P=0.016N*	P=0.070N	P=0.672N	P=0.500N	P=0.175
MAX-ISO-POLY-3	P<0.001**	P<0.001N**	P=0.020N*	P=1.000	P=0.332N	P=0.079

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DOSE	Males					
	0mg/kg/d M	.625mg/kg/d M	1.25mg/kg/d M	2.5mg/kg/d M	5mg/kg/d M	10mg/kg/d M
Pancreas Atrophy						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	1/10 (10%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	1/10.00	1/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	10%	10%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)	1/10 (10%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	29 (T)	29 (T)	---
STATISTICAL TESTS						
POLY 3	P=0.618	(e)	(e)	P=0.500	P=0.500	(e)
POLY 1.5	P=0.618	(e)	(e)	P=0.500	P=0.500	(e)
POLY 6	P=0.618	(e)	(e)	P=0.500	P=0.500	(e)
COCH-ARM / FISHERS	P=0.620	(e)	(e)	P=0.500	P=0.500	(e)
MAX-ISO-POLY-3	P=0.206	(e)	(e)	P=0.158	P=0.158	(e)

Experiment Number: 06100 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorohexane sulfonate potassium salt (PFHSKslt)

CAS Number: 3871-99-6

Date Report Requested: 02/06/2018

Time Report Requested: 12:34:33

First Dose M/F: 02/09/12 / 02/10/12

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Females					
	0mg/kg/d F	3.12mg/kg/d F	6.25mg/kg/d F	12.5mg/kg/d F	25mg/kg/d F	50mg/kg/d F
Heart						
Cardiomyopathy						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 06100 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorohexane sulfonate potassium salt (PFHSKslt)

CAS Number: 3871-99-6

Date Report Requested: 02/06/2018

Time Report Requested: 12:34:33

First Dose M/F: 02/09/12 / 02/10/12

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Females					
	0mg/kg/d F	3.12mg/kg/d F	6.25mg/kg/d F	12.5mg/kg/d F	25mg/kg/d F	50mg/kg/d F
Kidney						
Nephropathy Chronic Progressive						
LESION RATES						
OVERALL (a)	3/10 (30%)	5/10 (50%)	5/10 (50%)	4/10 (40%)	6/10 (60%)	3/10 (30%)
POLY-3 RATE (b)	3/10.00	5/10.00	5/10.00	4/10.00	6/10.00	3/10.00
POLY-3 PERCENT (g)	30%	50%	50%	40%	60%	30%
TERMINAL (d)	3/10 (30%)	5/10 (50%)	5/10 (50%)	4/10 (40%)	6/10 (60%)	3/10 (30%)
FIRST INCIDENCE	29 (T)	29 (T)	29 (T)	29 (T)	29 (T)	29 (T)
STATISTICAL TESTS						
POLY 3	P=0.439N	P=0.329	P=0.329	P=0.500	P=0.186	P=0.678
POLY 1.5	P=0.439N	P=0.329	P=0.329	P=0.500	P=0.186	P=0.678
POLY 6	P=0.439N	P=0.329	P=0.329	P=0.500	P=0.186	P=0.678
COCH-ARM / FISHERS	P=0.437N	P=0.325	P=0.325	P=0.500	P=0.185	P=0.686N
MAX-ISO-POLY-3	P=0.240	P=0.188	P=0.188	P=0.325	P=0.089	P=1.000

Experiment Number: 06100 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorohexane sulfonate potassium salt (PFHSKslt)

CAS Number: 3871-99-6

Date Report Requested: 02/06/2018

Time Report Requested: 12:34:33

First Dose M/F: 02/09/12 / 02/10/12

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Females					
	0mg/kg/d F	3.12mg/kg/d F	6.25mg/kg/d F	12.5mg/kg/d F	25mg/kg/d F	50mg/kg/d F
Liver: Hepatocyte Hypertrophy						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 06100 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorohexane sulfonate potassium salt (PFHSKslt)

CAS Number: 3871-99-6

Date Report Requested: 02/06/2018

Time Report Requested: 12:34:33

First Dose M/F: 02/09/12 / 02/10/12

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Females					
	0mg/kg/d F	3.12mg/kg/d F	6.25mg/kg/d F	12.5mg/kg/d F	25mg/kg/d F	50mg/kg/d F
Lung						
Infiltration Cellular						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	10%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	---	---	29 (T)
STATISTICAL TESTS						
POLY 3	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	(e)	(e)	(e)	P=0.500
POLY 6	(e)	(e)	(e)	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.304	(e)	(e)	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)	(e)	P=0.158

Experiment Number: 06100 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorohexane sulfonate potassium salt (PFHSKslt)

CAS Number: 3871-99-6

Date Report Requested: 02/06/2018

Time Report Requested: 12:34:33

First Dose M/F: 02/09/12 / 02/10/12

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Females					
	0mg/kg/d F	3.12mg/kg/d F	6.25mg/kg/d F	12.5mg/kg/d F	25mg/kg/d F	50mg/kg/d F
Lung						
Inflammation Granulomatous						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 06100 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorohexane sulfonate potassium salt (PFHSKslt)

CAS Number: 3871-99-6

Date Report Requested: 02/06/2018

Time Report Requested: 12:34:33

First Dose M/F: 02/09/12 / 02/10/12

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Females					
	0mg/kg/d F	3.12mg/kg/d F	6.25mg/kg/d F	12.5mg/kg/d F	25mg/kg/d F	50mg/kg/d F
Nose: Olfactory Epithelium Degeneration						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	8/10 (80%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00	8/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	80%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	8/10 (80%)
FIRST INCIDENCE	---	---	---	---	---	29 (T)
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
POLY 1.5	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
POLY 6	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**

Experiment Number: 06100 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorohexane sulfonate potassium salt (PFHSKslt)

CAS Number: 3871-99-6

Date Report Requested: 02/06/2018

Time Report Requested: 12:34:33

First Dose M/F: 02/09/12 / 02/10/12

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Females					
	0mg/kg/d F	3.12mg/kg/d F	6.25mg/kg/d F	12.5mg/kg/d F	25mg/kg/d F	50mg/kg/d F
Nose: Olfactory Epithelium Hyperplasia						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	5/10 (50%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00	5/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	50%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	5/10 (50%)
FIRST INCIDENCE	---	---	---	---	---	29 (T)
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	(e)	(e)	P=0.008**
POLY 1.5	P<0.001**	(e)	(e)	(e)	(e)	P=0.008**
POLY 6	P<0.001**	(e)	(e)	(e)	(e)	P=0.008**
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	(e)	P=0.016*
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)	P<0.001**

Experiment Number: 06100 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorohexane sulfonate potassium salt (PFHSKslt)

CAS Number: 3871-99-6

Date Report Requested: 02/06/2018

Time Report Requested: 12:34:33

First Dose M/F: 02/09/12 / 02/10/12

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Females					
	0mg/kg/d F	3.12mg/kg/d F	6.25mg/kg/d F	12.5mg/kg/d F	25mg/kg/d F	50mg/kg/d F
Nose: Olfactory Epithelium Inflammation						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	3/10 (30%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00	3/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	30%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	3/10 (30%)
FIRST INCIDENCE	---	---	---	---	---	29 (T)
STATISTICAL TESTS						
POLY 3	P<0.001**	(e)	(e)	(e)	(e)	P=0.095
POLY 1.5	P<0.001**	(e)	(e)	(e)	(e)	P=0.095
POLY 6	P<0.001**	(e)	(e)	(e)	(e)	P=0.095
COCH-ARM / FISHERS	P<0.001**	(e)	(e)	(e)	(e)	P=0.105
MAX-ISO-POLY-3	P<0.001**	(e)	(e)	(e)	(e)	P=0.025*

Experiment Number: 06100 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorohexane sulfonate potassium salt (PFHSKslt)

CAS Number: 3871-99-6

Date Report Requested: 02/06/2018

Time Report Requested: 12:34:33

First Dose M/F: 02/09/12 / 02/10/12

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Females					
	0mg/kg/d F	3.12mg/kg/d F	6.25mg/kg/d F	12.5mg/kg/d F	25mg/kg/d F	50mg/kg/d F
Nose: Respiratory Epithelium Hyperplasia						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 06100 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorohexane sulfonate potassium salt (PFHSKslt)

CAS Number: 3871-99-6

Date Report Requested: 02/06/2018

Time Report Requested: 12:34:33

First Dose M/F: 02/09/12 / 02/10/12

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Females					
	0mg/kg/d F	3.12mg/kg/d F	6.25mg/kg/d F	12.5mg/kg/d F	25mg/kg/d F	50mg/kg/d F
Nose: Respiratory Epithelium Inflammation Chronic						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	2/10 (20%)	2/10 (20%)	2/10 (20%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	2/10.00	2/10.00	2/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	20%	20%	20%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	2/10 (20%)	2/10 (20%)	2/10 (20%)	0/10 (0%)
FIRST INCIDENCE	---	---	29 (T)	29 (T)	29 (T)	---
STATISTICAL TESTS						
POLY 3	P=0.531N	(e)	P=0.227	P=0.227	P=0.227	(e)
POLY 1.5	P=0.531N	(e)	P=0.227	P=0.227	P=0.227	(e)
POLY 6	P=0.531N	(e)	P=0.227	P=0.227	P=0.227	(e)
COCH-ARM / FISHERS	P=0.531N	(e)	P=0.237	P=0.237	P=0.237	(e)
MAX-ISO-POLY-3	P=0.130	(e)	P=0.066	P=0.066	P=0.066	(e)

Experiment Number: 06100 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorohexane sulfonate potassium salt (PFHSKslt)

CAS Number: 3871-99-6

Date Report Requested: 02/06/2018

Time Report Requested: 12:34:33

First Dose M/F: 02/09/12 / 02/10/12

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Females					
	0mg/kg/d F	3.12mg/kg/d F	6.25mg/kg/d F	12.5mg/kg/d F	25mg/kg/d F	50mg/kg/d F
Pancreas						
Atrophy						
LESION RATES						
OVERALL (a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---	---	---
STATISTICAL TESTS						
POLY 3	(n)	(n)	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)	(n)	(n)

Experiment Number: 06100 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorohexane sulfonate potassium salt (PFHSKslt)

CAS Number: 3871-99-6

Date Report Requested: 02/06/2018

Time Report Requested: 12:34:33

First Dose M/F: 02/09/12 / 02/10/12

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Females					
	0mg/kg/d F	3.12mg/kg/d F	6.25mg/kg/d F	12.5mg/kg/d F	25mg/kg/d F	50mg/kg/d F
Uterus Dilation						
LESION RATES						
OVERALL (a)	1/10 (10%)	1/1 (100%)	1/1 (100%)	3/3 (100%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	1/10.00	1/1.00	1/1.00	3/3.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	10%	100%	100%	100%	0%	10%
TERMINAL (d)	1/10 (10%)	1/1 (100%)	1/1 (100%)	3/3 (100%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	29 (T)	29 (T)	29 (T)	29 (T)	---	29 (T)
STATISTICAL TESTS						
POLY 3	(e)	P=0.146	P=0.146	P<0.001**	(e)	P=0.760
POLY 1.5	(e)	P=0.146	P=0.146	P<0.001**	(e)	P=0.760
POLY 6	(e)	P=0.146	P=0.146	P<0.001**	(e)	P=0.760
COCH-ARM / FISHERS	P=0.201N	P=0.182	P=0.182	P=0.014*	(e)	P=0.763N
MAX-ISO-POLY-3	(e)	P=0.022*	P=0.022*	P<0.001**	(e)	P=1.000

Experiment Number: 06100 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Perfluorohexane sulfonate potassium salt (PFHSKslt)

CAS Number: 3871-99-6

Date Report Requested: 02/06/2018

Time Report Requested: 12:34:33

First Dose M/F: 02/09/12 / 02/10/12

Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RATS(HSD)
TERMINAL SACRIFICE AT 5 WEEKS**

DOSE	Females					
	0mg/kg/d F	3.12mg/kg/d F	6.25mg/kg/d F	12.5mg/kg/d F	25mg/kg/d F	50mg/kg/d F
Uterus: Bilateral Dilation						
LESION RATES						
OVERALL (a)	1/10 (10%)	1/1 (100%)	1/1 (100%)	3/3 (100%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	1/10.00	1/1.00	1/1.00	3/3.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	10%	100%	100%	100%	0%	10%
TERMINAL (d)	1/10 (10%)	1/1 (100%)	1/1 (100%)	3/3 (100%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	29 (T)	29 (T)	29 (T)	29 (T)	---	29 (T)
STATISTICAL TESTS						
POLY 3	(e)	P=0.146	P=0.146	P<0.001**	(e)	P=0.760
POLY 1.5	(e)	P=0.146	P=0.146	P<0.001**	(e)	P=0.760
POLY 6	(e)	P=0.146	P=0.146	P<0.001**	(e)	P=0.760
COCH-ARM / FISHERS	P=0.201N	P=0.182	P=0.182	P=0.014*	(e)	P=0.763N
MAX-ISO-POLY-3	(e)	P=0.022*	P=0.022*	P<0.001**	(e)	P=1.000

Experiment Number: 06100 - 01

Test Type: 28-DAY

Route: GAVAGE

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LEGEND

- (a) Number of tumor-bearing animals/number of animals examined at site.
 - (b) 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.
 - (n) No statistics are calculated if all dose groups have fewer than two tumors.
 - (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 Cochran-Armitage and Fishers exact tests compare directly the overall incidence rates.

*** END OF REPORT ***