

Experiment Number: **G06100**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Gavage**

Species/Strain: **Rat/Harlan Sprague Dawley**

**G04: In Vivo Micronucleus Summary Data**

Test Compound: **Perfluorohexane sulfonate potassium salt (PFHSKslt)**

CAS Number: **3871-99-6**

Date Report Requested: **09/23/2018**

Time Report Requested: **12:29:08**

**NTP Study Number:**

G06100

**Study Duration:**

28 Days

**Study Methodology:**

Flow Cytometry

**Male Study Result:**

Negative

**Female Study Result:**

Negative

Experiment Number: G06100

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Rat/Harlan Sprague Dawley

**G04: In Vivo Micronucleus Summary Data**

Test Compound: Perfluorohexane sulfonate potassium salt (PFHSKslt)

CAS Number: 3871-99-6

Date Report Requested: 09/23/2018

Time Report Requested: 12:29:08

Tissue: Blood; Sex: Male; Number of Treatments: 28; Time interval between final treatment and cell sampling: 24 h

Dose (mg/kg)	N	MN PCE/1000		N	MN NCE/1000		% PCE	
		Mean ± SEM	p-Value		Mean ± SEM	p-Value	Mean ± SEM	p-Value
Vehicle Control <sup>1</sup>	5	0.525 ± 0.062		5	0.054 ± 0.008		0.981 ± 0.068	
0.625	5	0.620 ± 0.087	0.5210	5	0.059 ± 0.015	1.0000	0.784 ± 0.078	0.0381
1.25	5	0.480 ± 0.098	0.6026	5	0.034 ± 0.005	1.0000	0.740 ± 0.029	0.0449
2.5	5	0.650 ± 0.069	0.6376	5	0.038 ± 0.005	1.0000	0.814 ± 0.046	0.0468
5.0	5	0.369 ± 0.108	0.6574	5	0.030 ± 0.002	1.0000	0.691 ± 0.061	0.0029 *
10.0	5	0.470 ± 0.060	0.6699	5	0.038 ± 0.005	1.0000	0.670 ± 0.054	0.0017 *
Trend p-Value		0.8872			0.9738		0.0069 *	

Trial Summary: Negative

Experiment Number: G06100

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Route: Gavage

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Test Compound: Perfluorohexane sulfonate potassium salt (PFHSKslt)

CAS Number: 3871-99-6

Date Report Requested: 09/23/2018

Time Report Requested: 12:29:08

Tissue: Blood; Sex: Female; Number of Treatments: 28; Time interval between final treatment and cell sampling: 24 h

Dose (mg/kg)	N	MN PCE/1000		N	MN NCE/1000		% PCE	
		Mean ± SEM	p-Value		Mean ± SEM	p-Value	Mean ± SEM	p-Value
Vehicle Control <sup>1</sup>	5	0.750 ± 0.076		5	0.115 ± 0.025		0.908 ± 0.124	
3.12	5	0.670 ± 0.085	0.7642	5	0.077 ± 0.015	0.8284	1.274 ± 0.136	0.3522
6.25	5	0.540 ± 0.073	0.8431	5	0.088 ± 0.014	0.8967	0.939 ± 0.124	0.4232
12.5	5	0.760 ± 0.093	0.8715	5	0.087 ± 0.015	0.9178	1.026 ± 0.112	0.4531
25.0	5	0.610 ± 0.111	0.8839	5	0.080 ± 0.009	0.9283	0.984 ± 0.059	0.4663
50.0	5	0.587 ± 0.117	0.8937	5	0.102 ± 0.027	0.8360	1.012 ± 0.111	0.4743
Trend p-Value		0.8213			0.4449		0.9749	

Trial Summary: Negative

Experiment Number: **G06100**

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Species/Strain: **Rat/Harlan Sprague Dawley**

**G04: In Vivo Micronucleus Summary Data**

Test Compound: **Perfluorohexane sulfonate potassium salt (PFHSKslt)**

CAS Number: **3871-99-6**

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LEGEND

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MN = micronucleated, PCE = polychromatic erythrocyte, NCE = normochromatic erythrocyte

CAS Number = Chemical Abstracts Service registry number

N = Number of subjects

Values given as Mean or Mean  $\pm$  Standard Error Mean

Pairwise comparison with the control group; values are significant at  $P \leq 0.025$  by Williams or Dunn's test

Dose-related trend; significant at  $P \leq 0.025$  by linear regression or Jonckheere's test

\* Statistically significant pairwise or trend test

1: Vehicle Control: Deionized Water with 2% Tween 80

**\*\* END OF REPORT \*\***