

Experiment Number: **G04006**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Gavage**

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

G04: In Vivo Micronucleus Summary Data

Test Compound: **Perfluorobutane sulfonate (PFBS)**

CAS Number: **375-73-5**

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

Time Report Requested: **11:32:07**

NTP Study Number:

G04006

Study Duration:

28 Days

Study Methodology:

Flow Cytometry

Male Study Result:

Negative

Female Study Result:

Negative

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G04: In Vivo Micronucleus Summary Data

Test Compound: Perfluorobutane sulfonate (PFBS)

CAS Number: 375-73-5

Date Report Requested: 09/23/2018

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Tissue: Blood; Sex: Male; Number of Treatments: 56; 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 ¹	5	0.590 ± 0.114		5	0.333 ± 0.110		1.012 ± 0.063	
31.3	5	0.500 ± 0.112	0.6166	5	0.120 ± 0.011	1.0000	0.930 ± 0.063	1.0000
62.5	5	0.620 ± 0.046	0.5740	5	0.131 ± 0.028	1.0000	0.909 ± 0.060	1.0000
125.0	5	0.590 ± 0.121	0.6080	5	0.126 ± 0.019	1.0000	0.830 ± 0.078	0.3752
250.0	5	0.570 ± 0.115	0.6262	5	0.115 ± 0.021	1.0000	0.553 ± 0.098	0.0038 *
Trend p-Value		0.4689			0.9843		< 0.001 *	

Trial Summary: Negative

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 Test Compound: **Perfluorobutane sulfonate (PFBS)**
 CAS Number: **375-73-5**

Date Report Requested: **09/23/2018**
 Time Report Requested: **11:32:07**

Tissue: Blood; Sex: Female; Number of Treatments: 56; 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 ¹	5	0.620 ± 0.118		5	0.059 ± 0.012		1.225 ± 0.161	
31.3	5	0.510 ± 0.091	0.6305	5	0.086 ± 0.016	0.1591	0.781 ± 0.100	0.0463
62.5	5	0.630 ± 0.178	0.5575	5	0.080 ± 0.017	0.1919	0.799 ± 0.042	0.0532
125.0	5	0.740 ± 0.073	0.3491	5	0.087 ± 0.012	0.2060	0.701 ± 0.128	0.0089 *
250.0	5	0.700 ± 0.082	0.3619	5	0.061 ± 0.011	0.2127	0.553 ± 0.098	< 0.001 *
Trend p-Value		0.1540			0.6473		0.0010 *	

Trial Summary: Negative

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LEGEND

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 ****