

Experiment Number: **G04049**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Gavage**

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

G04: In Vivo Micronucleus Summary Data

Test Compound: **Perfluorononanoic Acid**

CAS Number: **375-95-1**

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

Time Report Requested: **11:41:41**

NTP Study Number:

G04049

Study Duration:

28 Days

Study Methodology:

Flow Cytometry

Male Study Result:

Negative

Female Study Result:

Negative

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Test Compound: **Perfluorononanoic Acid**
CAS Number: **375-95-1**

Date Report Requested: **09/23/2018**
Time Report Requested: **11:41:41**

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 ¹	5	0.990 ± 0.073		5	0.294 ± 0.049		1.081 ± 0.034	
0.625	5	0.870 ± 0.099	0.6143	5	0.264 ± 0.056	0.5800	0.563 ± 0.029	< 0.001 *
1.25	5	0.910 ± 0.242	0.7025	5	0.265 ± 0.086	0.6676	0.437 ± 0.052	< 0.001 *
2.5	1			1				
Trend p-Value		0.6423			0.6243		< 0.001 *	

Trial Summary: Negative

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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 ¹	5	0.840 ± 0.174		5	0.136 ± 0.008		1.443 ± 0.238	
1.56	5	0.420 ± 0.051	1.0000	5	0.052 ± 0.005	0.9995	1.384 ± 0.079	1.0000
3.12	5	0.460 ± 0.037	1.0000	5	0.074 ± 0.010	0.9999	1.106 ± 0.100	0.3752
6.25	5	0.720 ± 0.056	1.0000	5	0.063 ± 0.013	1.0000	1.259 ± 0.081	0.4002
Trend p-Value		0.3180			0.9906		0.4253	

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 ****