

Experiment Number: **G92006**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Gavage**

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

**G04: In Vivo Micronucleus Summary Data**

Test Compound: **Perfluorodecanoic Acid**

CAS Number: **335-76-2**

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

Time Report Requested: **16:22:30**

**NTP Study Number:**

G92006

**Study Duration:**

28 Days

**Study Methodology:**

Flow Cytometry

**Male Study Result:**

Negative

**Female Study Result:**

Negative

Experiment Number: **G92006**  
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**G04: In Vivo Micronucleus Summary Data**  
 Test Compound: **Perfluorodecanoic Acid**  
 CAS Number: **335-76-2**

Date Report Requested: **09/23/2018**  
 Time Report Requested: **16:22:30**

**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	0.670 ± 0.112		5	0.093 ± 0.022		0.817 ± 0.130	
0.156	5	0.650 ± 0.050	0.5634	5	0.072 ± 0.021	0.6411	0.794 ± 0.062	1.0000
0.312	5	0.640 ± 0.151	0.6505	5	0.103 ± 0.029	0.7142	0.827 ± 0.029	1.0000
0.625	5	0.620 ± 0.051	0.6868	5	0.085 ± 0.019	0.7490	0.719 ± 0.069	0.8287
1.25	5	0.776 ± 0.094	0.3305	5	0.063 ± 0.011	0.7682	0.277 ± 0.063	< 0.001 *
2.5	3	1.174 ± 0.218	0.0044 *	3	0.080 ± 0.007	0.7979	0.127 ± 0.035	< 0.001 *
Trend p-Value		0.0010 *			0.7376		< 0.001 *	

Trial Summary: **Negative**

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 Test Compound: **Perfluorodecanoic Acid**  
 CAS Number: **335-76-2**

Date Report Requested: **09/23/2018**  
 Time Report Requested: **16:22:30**

**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	0.500 ± 0.027		5	0.062 ± 0.006		1.059 ± 0.175	
0.156	5	0.380 ± 0.046	0.6890	5	0.054 ± 0.010	0.9670	0.999 ± 0.093	1.0000
0.312	5	0.490 ± 0.111	0.6184	5	0.036 ± 0.003	0.9868	1.115 ± 0.103	1.0000
0.625	5	0.620 ± 0.044	0.2918	5	0.029 ± 0.003	0.9915	1.100 ± 0.051	1.0000
1.25	5	0.563 ± 0.138	0.3027	5	0.042 ± 0.007	0.9940	0.359 ± 0.034	< 0.001 *
Trend p-Value		0.1061			0.9650		< 0.001 *	

Trial Summary: Negative

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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 \*\***