

Experiment Number: 973822

Test Type: Genetic Toxicology - Micronucleus

Route: Intraperitoneal Injection

Species/Strain: Mouse/B6C3F1

**G04: In Vivo Micronucleus Summary Data**

Test Compound: Aroclor 1254

CAS Number: 11097-69-1

Date Report Requested: 09/19/2018

Time Report Requested: 21:50:42

**NTP Study Number:**

973822

**Study Duration:**

72 Hours

**Study Methodology:**

Slide Scoring

**Male Study Result:**

Negative

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Tissue: Bone marrow; Sex: Male; Number of Treatments: 1; Time interval between final treatment and cell sampling: 24 h

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		MN PCE/1000		% PCE	
Dose (mg/kg)	N	Mean ± SEM	p-Value	Mean ± SEM	
Vehicle Control <sup>1</sup>	5	1.80 ± 0.85		38.80 ± 1.16	
500.0	5	2.60 ± 0.33	0.1884	39.82 ± 1.44	
1000.0	5	1.70 ± 0.51	0.5493	33.86 ± 2.63	
2000.0	5	1.40 ± 0.46	0.6978	36.88 ± 1.25	
Trend p-Value		0.8080			
Positive Control <sup>2</sup>	5	10.60 ± 1.54	< 0.001 *	33.02 ± 2.80	

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Trial Summary: Negative

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Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control <sup>1</sup>	5	1.70 ± 0.44		35.94 ± 2.38
500.0	5	0.50 ± 0.27	0.9948	34.60 ± 3.24
1000.0	5	1.00 ± 0.32	0.9112	31.12 ± 3.33
2000.0	4	2.63 ± 0.75	0.0895	26.93 ± 2.01
Trend p-Value		0.0150 *		
Positive Control <sup>2</sup>	5	5.20 ± 0.64	< 0.001 *	37.76 ± 1.35

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

Results were tabulated as the mean of the pooled results from all animals within a treatment group, plus or minus the standard error of the mean

Pairwise comparison to the concurrent control, dosed groups significant at  $p = 0.025/\text{number of treatment groups}$ ; positive control value is significant at  $p = 0.05$

Cochran-Armitage trend test, significant at  $p = 0.025$

\* Statistically significant pairwise or trend test

1: Vehicle Control: Corn Oil

2: 12.5 mg/kg Dimethylbenzanthracene

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