

Experiment Number: A93901

Test Type: Genetic Toxicology - Micronucleus

Route: Intraperitoneal Injection

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Phenolphthalein

CAS Number: 77-09-8

Date Report Requested: 09/21/2018

Time Report Requested: 12:05:26

NTP Study Number:

A93901

Study Duration:

48 Hours

Study Methodology:

Slide Scoring

Male Study Result:

Positive

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Tissue: Blood; Sex: Male; Number of Treatments: 1; Time interval between final treatment and cell sampling: 48 h

Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control ¹	5	3.00 ± 0.27		3.04 ± 0.27
312.5	5	2.70 ± 0.30	0.6547	4.32 ± 0.78
625.0	5	2.60 ± 0.60	0.7038	4.42 ± 0.44
1250.0	5	4.00 ± 0.97	0.1156	3.12 ± 0.18
2500.0	5	4.50 ± 0.69	0.0413	3.70 ± 0.23
Trend p-Value		0.0050 *		
Positive Control ²	5	15.50 ± 4.55	< 0.001 *	3.46 ± 0.31

Trial Summary: Positive

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Tissue: Bone marrow; Sex: Male; Number of Treatments: 1; Time interval between final treatment and cell sampling: 48 h

Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control ¹	5	0.90 ± 0.29		60.30 ± 3.22
312.5	5	2.00 ± 0.35	0.0708	57.70 ± 3.28
625.0	5	2.10 ± 0.62	0.0574	63.50 ± 3.85
1250.0	5	2.20 ± 0.73	0.0464	62.70 ± 4.55
2500.0	5	2.60 ± 0.99	0.0193	60.20 ± 3.64
Trend p-Value		0.0500		
Positive Control ²	5	5.60 ± 0.99	< 0.001 *	58.40 ± 2.68

Trial Summary: Positive

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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

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: 25.0 mg/kg Cyclophosphamide

**** END OF REPORT ****