

Experiment Number: 279592
Test Type: Genetic Toxicology - Micronucleus
Route: Intraperitoneal Injection
Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data
Test Compound: 1,2-Dichlorobenzene (o-dichlorobenzene)
CAS Number: 95-50-1

Date Report Requested: 09/19/2018
Time Report Requested: 15:05:51

NTP Study Number: 279592
Study Duration: 72 Hours
Study Methodology: Slide Scoring
Male Study Result: Negative

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Tissue: Bone marrow; Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 24 h

Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control ¹	5	2.30 ± 0.98		56.00 ± 3.27
125.0	5	2.20 ± 0.37	0.5335	41.60 ± 3.69
250.0	5	3.50 ± 1.41	0.1872	44.20 ± 5.51
500.0	3	2.33 ± 0.60	0.4905	41.67 ± 5.83
Trend p-Value		0.3810		
Positive Control ²	5	7.30 ± 0.94	< 0.001 *	39.00 ± 4.29

Trial Summary: Negative

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Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control ¹	5	3.20 ± 0.20		3.24 ± 0.57
125.0	5	1.80 ± 0.60	0.9763	2.24 ± 0.31
250.0	5	2.10 ± 0.33	0.9349	2.52 ± 0.36
500.0	3	2.17 ± 0.67	0.8839	2.53 ± 0.35
Trend p-Value		0.8720		
Positive Control ²	5	9.50 ± 1.29	< 0.001 *	1.50 ± 0.32

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

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 ****