

Experiment Number: 058372
Test Type: Genetic Toxicology - Micronucleus
Route: Intraperitoneal Injection
Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: 1,2-Propylene oxide
CAS Number: 75-56-9

Date Report Requested: 09/19/2018

Time Report Requested: 12:08:34

NTP Study Number: 058372
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

		MN PCE/1000		% PCE	
Dose (mg/kg)	N	Mean ± SEM	p-Value	Mean ± SEM	
Vehicle Control ¹	5	1.60 ± 0.43		51.20 ± 2.82	
87.5	5	3.90 ± 0.76	< 0.001 *	57.60 ± 4.11	
175.0	5	2.60 ± 0.37	0.0612	57.80 ± 2.99	
350.0	5	3.50 ± 0.55	0.0039 *	37.60 ± 4.61	
Trend p-Value		0.0390			
Positive Control ²	5	7.70 ± 0.92	< 0.001 *	48.40 ± 3.98	

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	2.00 ± 0.35		46.70 ± 3.99
175.0	5	2.20 ± 0.20	0.3787	54.40 ± 4.49
350.0	5	2.40 ± 0.70	0.2730	41.60 ± 4.85
Trend p-Value		0.2730		
Positive Control ²	5	6.20 ± 1.25	< 0.001 *	39.50 ± 7.48

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: Phosphate Buffered Saline

2: 0.2 mg/kg Mitomycin-C

**** END OF REPORT ****