

Experiment Number: A15433
Test Type: Genetic Toxicology - Micronucleus
Route: Intraperitoneal Injection
Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data
Test Compound: 1,3-Dichloropropene (Telone II)
CAS Number: 542-75-6

Date Report Requested: 09/20/2018
Time Report Requested: 03:44:57

NTP Study Number: A15433
Study Duration: 48 Hours
Study Methodology: Slide Scoring
Male Study Result: Positive

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Tissue: Bone marrow; Sex: Male; Number of Treatments: 1; 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	1.00 ± 0.16		51.20 ± 1.24
50.0	5	1.10 ± 0.19	0.4136	53.70 ± 2.42
100.0	5	1.00 ± 0.35	0.5000	50.70 ± 1.42
200.0	7	1.79 ± 0.26	0.0579	53.71 ± 1.22
Trend p-Value		0.0320		
Positive Control ²	5	10.60 ± 1.16	< 0.001 *	49.10 ± 0.86

Trial Summary: Positive

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Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control ¹	5	0.90 ± 0.29		50.40 ± 1.92
100.0	5	1.00 ± 0.22	0.4092	49.30 ± 0.82
200.0	7	2.07 ± 0.40	0.0122 *	52.36 ± 0.86
Trend p-Value		0.0060 *		
Positive Control ²	5	12.60 ± 0.94	< 0.001 *	46.00 ± 1.84

Trial Summary: Positive

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Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control ¹	5	0.90 ± 0.40		48.00 ± 3.01
100.0	5	1.70 ± 0.34	0.0582	47.40 ± 3.87
150.0	5	1.00 ± 0.27	0.4092	50.40 ± 4.34
250.0	5	1.70 ± 0.72	0.0582	50.60 ± 3.09
Trend p-Value		0.1040		
Positive Control ²	5	11.30 ± 1.11	< 0.001 *	47.30 ± 1.83

Trial Summary: Positive

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Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control ¹	5	0.70 ± 0.20		47.30 ± 3.02
150.0	5	2.00 ± 0.22	0.0061 *	48.00 ± 0.91
250.0	5	2.50 ± 0.69	< 0.001 *	41.80 ± 3.53
Trend p-Value		0.0010 *		
Positive Control ²	5	6.50 ± 0.88	< 0.001 *	42.80 ± 5.03

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: 50.0 mg/kg Dimethylbenzanthracene

**** END OF REPORT ****