

Experiment Number: 299785

Test Type: Genetic Toxicology - Micronucleus

Route: Intraperitoneal Injection

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: 1,1,1,2-Tetrachloroethane

CAS Number: 630-20-6

Date Report Requested: 09/19/2018

Time Report Requested: 15:31:05

NTP Study Number:

299785

Study Duration:

72 Hours

Study Methodology:

Slide Scoring

Male Study Result:

Positive

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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	1.10 ± 0.10		56.40 ± 1.65
125.0	5	1.00 ± 0.47	0.5864	49.90 ± 4.57
250.0	5	1.90 ± 0.58	0.0719	49.40 ± 3.94
500.0	5	2.70 ± 0.56	0.0047 *	53.10 ± 3.27
Trend p-Value		0.0010 *		
Positive Control ²	5	4.70 ± 0.82	< 0.001 *	48.60 ± 2.99

Trial Summary: Positive

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		MN PCE/1000		% PCE
Dose (mg/kg)	N	Mean ± SEM	p-Value	Mean ± SEM
Vehicle Control ¹	5	1.20 ± 0.41		50.80 ± 5.41
250.0	5	2.60 ± 0.29	0.0115 *	64.50 ± 4.74
500.0	5	2.50 ± 0.22	0.0162	50.60 ± 5.29
Trend p-Value		0.0220 *		
Positive Control ²	5	4.20 ± 0.37	< 0.001 *	48.50 ± 5.17

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: 12.5 mg/kg Dimethylbenzanthracene

**** END OF REPORT ****