

Experiment Number: 249137
Test Type: Genetic Toxicology - Micronucleus
Route: Intraperitoneal Injection
Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: 3-Chloro-2-methylpropene
CAS Number: 563-47-3

Date Report Requested: 09/19/2018

Time Report Requested: 14:41:32

NTP Study Number:	249137
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	1.70 ± 0.20		51.30 ± 2.46	
62.5	5	1.80 ± 0.44	0.4328	42.00 ± 3.17	
125.0	5	1.90 ± 0.19	0.3693	45.80 ± 3.75	
250.0	5	2.40 ± 0.58	0.1369	36.60 ± 4.93	
Trend p-Value		0.1170			
Positive Control ²	5	2.00 ± 0.52	0.3108	33.60 ± 3.79	

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	2.40 ± 0.37		44.90 ± 4.84
62.5	5	2.30 ± 0.60	0.5581	49.90 ± 2.30
125.0	5	2.50 ± 0.42	0.4431	47.60 ± 4.33
250.0	5	2.50 ± 0.27	0.4431	48.60 ± 4.63
Trend p-Value		0.4120		
Positive Control ²	5	8.60 ± 1.14	< 0.001 *	29.80 ± 3.80

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 ****