

Experiment Number: A32670

Test Type: Genetic Toxicology - Micronucleus

Route: Dosed-Water

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: 1,2-Dichloroethane

CAS Number: 107-06-2

Date Report Requested: 09/20/2018

Time Report Requested: 09:40:25

NTP Study Number:

A32670

Study Duration:

90 Days

Study Methodology:

Slide Scoring

Male Study Result:

Negative

Female Study Result:

Negative

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Tissue: Blood; Sex: Male; Number of Treatments: 90; Time interval between final treatment and cell sampling: 24 h

MN NCE/1000			
Dose (ppm)	N	Mean ± SEM	p-Value
Vehicle Control ¹	10	1.80 ± 0.07	
500.0	10	2.03 ± 0.12	0.0961
1000.0	10	1.91 ± 0.13	0.2729
2000.0	10	1.99 ± 0.13	0.1366
4000.0	10	2.05 ± 0.14	0.0820
8000.0	10	1.87 ± 0.18	0.3449
Trend p-Value		0.4970	

Trial Summary: Negative

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Tissue: Blood; Sex: Female; Number of Treatments: 90; Time interval between final treatment and cell sampling: 24 h

MN NCE/1000			
Dose (ppm)	N	Mean ± SEM	p-Value
Vehicle Control ¹	10	1.21 ± 0.09	
500.0	10	1.60 ± 0.14	0.0774
1000.0	10	1.39 ± 0.09	0.2402
2000.0	10	1.70 ± 0.40	0.0383
4000.0	10	1.45 ± 0.12	0.1866
Trend p-Value		0.2790	

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: Water

**** END OF REPORT ****