

Experiment Number: A34612

Test Type: Genetic Toxicology - Micronucleus

Route: Inhalation

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Tetrahydrofuran

CAS Number: 109-99-9

Date Report Requested: 09/20/2018

Time Report Requested: 10:18:36

NTP Study Number:

A34612

Study Duration:

13 Weeks

Study Methodology:

Slide Scoring

Male Study Result:

Equivocal

Female Study Result:

Negative

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Tissue: Blood; Sex: Male; Number of Treatments: 65; Time interval between final treatment and cell sampling: 24 h

MN NCE/1000			
Dose (ppm)	N	Mean ± SEM	p-Value
Vehicle Control ¹	10	1.20 ± 0.09	
600.0	10	1.26 ± 0.10	0.3225
1800.0	10	1.60 ± 0.09	0.0040 *
5000.0	7	1.41 ± 0.14	0.0850
Trend p-Value		0.0740	

Trial Summary: Equivocal

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Tissue: Blood; Sex: Female; Number of Treatments: 65; Time interval between final treatment and cell sampling: 24 h

MN NCE/1000			
Dose (ppm)	N	Mean ± SEM	p-Value
Vehicle Control ¹	10	1.42 ± 0.18	
600.0	10	1.15 ± 0.07	0.9722
1800.0	10	1.16 ± 0.07	0.9658
5000.0	10	1.17 ± 0.08	0.9555
Trend p-Value		0.8460	

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: Air

**** END OF REPORT ****