

Experiment Number: A45886

Test Type: Genetic Toxicology - Micronucleus

Route: Inhalation

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 09/20/2018

Time Report Requested: 15:33:23

NTP Study Number:

A45886

Study Duration:

13 Weeks

Study Methodology:

Slide Scoring

Male Study Result:

Negative

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 (mg/m3)	N	Mean ± SEM	p-Value
Vehicle Control ¹	10	1.30 ± 0.13	
138.0	9	1.17 ± 0.26	0.6440
275.0	10	1.15 ± 0.13	0.6660
550.0	10	0.95 ± 0.24	0.8518
1100.0	10	1.00 ± 0.17	0.8120
2200.0	10	0.85 ± 0.22	0.9152
Trend p-Value		0.9150	

Trial Summary: Negative

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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 (mg/m3)	N	Mean ± SEM	p-Value
Vehicle Control ¹	10	0.65 ± 0.24	
138.0	10	0.65 ± 0.17	0.5000
275.0	10	0.80 ± 0.17	0.2887
550.0	10	0.50 ± 0.11	0.7343
1100.0	10	0.85 ± 0.15	0.2325
2200.0	10	0.65 ± 0.18	0.5000
Trend p-Value		0.4570	

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 ****