

Experiment Number: A40482

Test Type: Genetic Toxicology - Micronucleus

Route: Inhalation

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Decalin

CAS Number: 91-17-8

Date Report Requested: 09/20/2018

Time Report Requested: 12:41:15

NTP Study Number:

A40482

Study Duration:

13 Weeks

Study Methodology:

Slide Scoring

Male Study Result:

Weakly Positive

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	0.55 ± 0.16	
25.0	10	0.45 ± 0.16	0.6727
50.0	10	1.00 ± 0.15	0.0529
100.0	10	1.00 ± 0.22	0.0529
200.0	10	1.25 ± 0.20	0.0098
400.0	9	1.33 ± 0.20	0.0060
Trend p-Value		0.0010 *	

Trial Summary: Weakly Positive

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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	9	0.67 ± 0.20	
25.0	10	0.50 ± 0.11	0.7500
50.0	10	0.70 ± 0.19	0.4506
100.0	10	0.35 ± 0.13	0.9160
200.0	10	0.30 ± 0.08	0.9495
400.0	10	0.40 ± 0.12	0.8711
Trend p-Value		0.9170	

Trial Summary: Negative

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Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Decalin**
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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 ****