

Experiment Number: A59477

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Acrolein

CAS Number: 107-02-8

Date Report Requested: 09/20/2018

Time Report Requested: 21:30:54

NTP Study Number:

A59477

Study Duration:

90 Days

Study Methodology:

Slide Scoring

Male Study Result:

Negative

Female Study Result:

Negative

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Test Compound: Acrolein
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Date Report Requested: 09/20/2018
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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/kg)	N	Mean ± SEM	p-Value
Vehicle Control ¹	10	1.00 ± 0.11	
1.25	9	1.06 ± 0.23	0.4329
2.5	10	0.75 ± 0.20	0.8011
5.0	9	1.11 ± 0.18	0.3694
10.0	9	1.28 ± 0.12	0.2106
Trend p-Value		0.1370	

Trial Summary: Negative

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Test Compound: Acrolein

Time Report Requested: 21:30:54

Route: Gavage

CAS Number: 107-02-8

Species/Strain: Mouse/B6C3F1

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

MN NCE/1000			
Dose (mg/kg)	N	Mean ± SEM	p-Value
Vehicle Control ¹	9	0.50 ± 0.12	
1.25	10	0.60 ± 0.15	0.3394
2.5	10	0.50 ± 0.13	0.5000
5.0	9	1.00 ± 0.24	0.0416
10.0	7	0.57 ± 0.13	0.3916
Trend p-Value		0.2490	

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: Solvent

**** END OF REPORT ****