

Experiment Number: A57716

Test Type: Genetic Toxicology - Micronucleus

Route: Inhalation

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Glutaraldehyde

CAS Number: 111-30-8

Date Report Requested: 09/20/2018

Time Report Requested: 20:50:51

NTP Study Number:

A57716

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: 65; Time interval between final treatment and cell sampling: 24 h

MN NCE/1000			
Dose (ppb)	N	Mean ± SEM	p-Value
Vehicle Control ¹	10	1.24 ± 0.13	
63.0	10	1.07 ± 0.18	0.7835
125.0	10	1.07 ± 0.15	0.7872
250.0	10	1.30 ± 0.14	0.3935
500.0	10	0.89 ± 0.15	0.9536
Trend p-Value		0.8900	
Positive Control ²	3	14.99 ± 3.93	< 0.001 *

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 (ppb)	N	Mean ± SEM	p-Value
Vehicle Control ¹	10	0.68 ± 0.06	
63.0	10	0.84 ± 0.10	0.1394
125.0	10	0.98 ± 0.13	0.0260
250.0	10	0.92 ± 0.09	0.0551
500.0	8	0.70 ± 0.09	0.4422
Trend p-Value		0.5940	

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

2: 0.2 ppb Urne

**** END OF REPORT ****