

Experiment Number: A56833
Test Type: Genetic Toxicology - Micronucleus
Route: Inhalation
Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Gallium arsenide
CAS Number: 1303-00-0

Date Report Requested: 09/20/2018
Time Report Requested: 20:11:48

NTP Study Number:	A56833
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 (mg/m3)	N	Mean ± SEM	p-Value
Vehicle Control ¹	10	1.66 ± 0.16	
0.1	9	1.32 ± 0.18	0.7311
1.0	10	1.36 ± 0.13	0.7089
10.0	10	1.47 ± 0.13	0.6382
37.0	10	2.10 ± 1.05	0.2385
75.0	10	1.26 ± 0.18	0.7705
Trend p-Value		0.5020	
Positive Control ²	3	21.37 ± 1.40	< 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 (mg/m3)	N	Mean ± SEM	p-Value
Vehicle Control ¹	10	0.66 ± 0.12	
0.1	10	0.70 ± 0.10	0.3847
1.0	10	0.67 ± 0.12	0.4836
10.0	10	0.85 ± 0.10	0.1078
37.0	10	0.68 ± 0.09	0.4487
75.0	9	0.81 ± 0.13	0.1692
Trend p-Value		0.2380	

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 mg/m³ Urne

**** END OF REPORT ****