

Experiment Number: A17282

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Dosed-Water**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Sodium nitrite**

CAS Number: **7632-00-0**

Date Report Requested: **09/20/2018**

Time Report Requested: **04:45:03**

NTP Study Number:

A17282

Study Duration:

13 Weeks

Study Methodology:

Slide Scoring

Male Study Result:

Negative

Female Study Result:

Negative

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Test Compound: Sodium nitrite
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Date Report Requested: 09/20/2018
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Tissue: Blood; Sex: Male; Number of Treatments: 90; Time interval between final treatment and cell sampling: 24 h

MN NCE/1000			
Dose (ppm)	N	Mean ± SEM	p-Value
Vehicle Control ¹	10	0.50 ± 0.17	
0.038	10	0.70 ± 0.20	0.2070
0.075	10	0.55 ± 0.16	0.4136
0.15	10	0.55 ± 0.14	0.4136
0.3	10	0.60 ± 0.16	0.3349
0.5	10	0.45 ± 0.12	0.5907
Trend p-Value		0.7040	

Trial Summary: Negative

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Tissue: Blood; Sex: Female; Number of Treatments: 90; Time interval between final treatment and cell sampling: 24 h

MN NCE/1000			
Dose (ppm)	N	Mean ± SEM	p-Value
Vehicle Control ¹	10	0.65 ± 0.17	
0.038	10	0.80 ± 0.15	0.2887
0.075	10	0.50 ± 0.13	0.7343
0.15	10	0.85 ± 0.22	0.2325
0.3	10	0.90 ± 0.12	0.1845
0.5	10	0.80 ± 0.08	0.2887
Trend p-Value		0.2040	

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: Water

**** END OF REPORT ****