

Experiment Number: A52858

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

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: 18:33:44

NTP Study Number:

A52858

Study Duration:

72 Hours

Study Methodology:

Slide Scoring

Male Study Result:

Negative

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Tissue: Bone marrow; Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 24 h

Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control ¹	5	1.10 ± 0.51		62.80 ± 4.00
7.81	5	1.80 ± 0.34	0.1933	62.50 ± 4.77
15.63	5	1.80 ± 0.60	0.1933	69.60 ± 2.77
31.25	5	1.60 ± 0.78	0.2608	66.30 ± 3.76
62.5	5	1.60 ± 0.73	0.2608	58.80 ± 3.68
125.0	5	1.80 ± 0.49	0.1933	64.40 ± 3.20
Trend p-Value		0.3430		
Positive Control ²	5	28.60 ± 4.24	< 0.001 *	58.00 ± 2.98

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: Phosphate Buffered Saline

2: 50.0 mg/kg Cyclophosphamide

**** END OF REPORT ****