

Experiment Number: A10342
Test Type: Genetic Toxicology - Micronucleus
Route: Intraperitoneal Injection
Species/Strain: Rat/Fischer 344

G04: In Vivo Micronucleus Summary Data

Test Compound: Sodium nitrite
CAS Number: 7632-00-0

Date Report Requested: 09/20/2018

Time Report Requested: 02:06:55

NTP Study Number:	A10342
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 ± 0.24		43.50 ± 2.72
6.25	5	0.90 ± 0.33	0.6411	45.50 ± 2.97
12.5	5	0.80 ± 0.30	0.7109	52.10 ± 1.58
25.0	5	1.10 ± 0.48	0.5000	49.70 ± 2.76
50.0	5	1.30 ± 0.60	0.3707	52.90 ± 2.00
100.0	5	2.70 ± 0.60	0.0180	52.50 ± 1.60
Trend p-Value		0.0010 *		
Positive Control ²	5	26.20 ± 2.95	< 0.001 *	22.30 ± 2.60

Trial Summary: Negative

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		MN PCE/1000		% PCE	
Dose (mg/kg)	N	Mean ± SEM	p-Value	Mean ± SEM	
Vehicle Control ¹	5	1.10 ± 0.51		55.60 ± 3.26	
25.0	5	1.00 ± 0.45	0.5635	57.60 ± 1.36	
50.0	5	1.10 ± 0.37	0.5000	56.20 ± 2.90	
Trend p-Value		0.5000			
Positive Control ²	3	24.83 ± 2.52	< 0.001 *	17.00 ± 1.80	

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: 25.0 mg/kg Cyclophosphamide

**** END OF REPORT ****