

Experiment Number: A12928

Test Type: Genetic Toxicology - Micronucleus

Route: Dosed-Water

Species/Strain: Mouse/B6C3F1

**G04: In Vivo Micronucleus Summary Data**

Test Compound: Sodium Fluoride

CAS Number: 7681-49-4

Date Report Requested: 09/20/2018

Time Report Requested: 02:59:38

**NTP Study Number:**

A12928

**Study Duration:**

6 Weeks

**Study Methodology:**

Slide Scoring

**Male Study Result:**

Negative

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Test Compound: Sodium Fluoride  
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Tissue: Blood; Sex: Male; Number of Treatments: 7; Time interval between final treatment and cell sampling: 24 h

Dose (ppm)	N	MN PCE/1000		N	MN NCE/1000	
		Mean ± SEM	p-Value		Mean ± SEM	p-Value
Vehicle Control <sup>1</sup>	5	1.40 ± 0.24		5	2.70 ± 0.58	
100.0	5	1.70 ± 0.34	0.2949	5	2.30 ± 0.37	0.7144
200.0	5	1.50 ± 0.27	0.4263	5	1.70 ± 0.25	0.9344
400.0	5	1.40 ± 0.48	0.5000	5	2.50 ± 0.47	0.6094
Trend p-Value		0.5690			0.6110	
Positive Control <sup>2</sup>	5	12.40 ± 0.91	< 0.001 *	5	3.90 ± 0.51	0.0695

Trial Summary: Negative

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 Time Report Requested: 02:59:38

Tissue: Blood; Sex: Male; Number of Treatments: 42; Time interval between final treatment and cell sampling: 24 h

Dose (ppm)	N	MN PCE/1000		N	MN NCE/1000	
		Mean ± SEM	p-Value		Mean ± SEM	p-Value
Vehicle Control <sup>1</sup>	5	1.30 ± 0.25		5	2.80 ± 0.51	
100.0	5	1.90 ± 0.40	0.1442	5	1.90 ± 0.43	0.9056
200.0	5	2.00 ± 0.55	0.1113	5	2.00 ± 0.63	0.8762
400.0	5	1.50 ± 0.50	0.3526	5	2.60 ± 0.10	0.6074
Trend p-Value		0.4420			0.4930	
Positive Control <sup>2</sup>	5	13.80 ± 0.72	< 0.001 *	5	14.40 ± 1.61	< 0.001 *

Trial Summary: Negative

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LEGEND

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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

2: 114.0 ppm Cyclophosphamide

**\*\* END OF REPORT \*\***