

Experiment Number: A85427

Test Type: Genetic Toxicology - Micronucleus

Route: Dermal

Species/Strain: Mouse/B6C3F1

**G04: In Vivo Micronucleus Summary Data**

Test Compound: Sodium thioglycolate

CAS Number: 367-51-1

Date Report Requested: 09/21/2018

Time Report Requested: 07:53:53

**NTP Study Number:**

A85427

**Study Duration:**

13 Weeks

**Study Methodology:**

Slide Scoring

**Male Study Result:**

Negative

**Female Study Result:**

Positive

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Tissue: Blood; Sex: Male; Number of Treatments: 65; Time interval between final treatment and cell sampling: 24 h

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<b>MN NCE/1000</b>			
<b>Dose (mg/kg)</b>	<b>N</b>	<b>Mean ± SEM</b>	<b>p-Value</b>
Vehicle Control <sup>1</sup>	5	3.40 ± 0.29	
22.5	5	4.10 ± 0.51	0.2090
45.0	5	4.60 ± 0.73	0.0894
90.0	5	4.30 ± 0.56	0.1521
180.0	5	4.00 ± 0.16	0.2423
360.0	5	4.40 ± 0.37	0.1283
Trend p-Value		0.2900	

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

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<b>MN NCE/1000</b>			
<b>Dose (mg/kg)</b>	<b>N</b>	<b>Mean ± SEM</b>	<b>p-Value</b>
Vehicle Control <sup>1</sup>	5	2.10 ± 0.10	
22.5	5	3.00 ± 0.32	0.1035
45.0	5	2.60 ± 0.24	0.2326
90.0	5	3.10 ± 0.48	0.0825
180.0	5	3.30 ± 0.20	0.0510
360.0	5	4.40 ± 0.29	0.0021 *
Trend p-Value		0.0020 *	

Trial Summary: Positive

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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: Ethanol

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