

Experiment Number: A51339

Test Type: Genetic Toxicology - Micronucleus

Route: Inhalation

Species/Strain: Mouse/B6C3F1

**G04: In Vivo Micronucleus Summary Data**

Test Compound: Methyl bromide

CAS Number: 74-83-9

Date Report Requested: 09/20/2018

Time Report Requested: 17:42:37

**NTP Study Number:**

A51339

**Study Duration:**

14 Days

**Study Methodology:**

Slide Scoring

**Male Study Result:**

Positive

**Female Study Result:**

Positive

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Tissue: Blood; Sex: Male; Number of Treatments: 10; Time interval between final treatment and cell sampling: 24 h

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<b>MN NCE/1000</b>			
<b>Dose (ppm)</b>	<b>N</b>	<b>Mean ± SEM</b>	<b>p-Value</b>
Vehicle Control <sup>1</sup>	5	1.59 ± 0.19	
12.0	5	1.54 ± 0.08	0.5853
25.0	4	1.40 ± 0.08	0.7924
50.0	4	2.48 ± 0.36	< 0.001 *
100.0	3	2.51 ± 0.42	< 0.001 *
Trend p-Value		< 0.001 *	

Trial Summary: Positive

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Tissue: Blood; Sex: Female; Number of Treatments: 10; Time interval between final treatment and cell sampling: 24 h

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<b>MN NCE/1000</b>			
<b>Dose (ppm)</b>	<b>N</b>	<b>Mean ± SEM</b>	<b>p-Value</b>
Vehicle Control <sup>1</sup>	5	0.91 ± 0.11	
12.0	4	1.92 ± 0.27	< 0.001 *
25.0	5	1.41 ± 0.20	0.0048 *
50.0	4	1.47 ± 0.14	0.0033 *
100.0	5	1.21 ± 0.14	0.0564
Trend p-Value		0.6230	

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: Air

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