

Experiment Number: B09633

Test Type: Genetic Toxicology - Micronucleus

Route: Microencapsulation in Feed

Species/Strain: Mouse/B6C3F1

**G04: In Vivo Micronucleus Summary Data**

Test Compound: 1,1,1-Trichloroethane

CAS Number: 71-55-6

Date Report Requested: 09/21/2018

Time Report Requested: 14:43:07

**NTP Study Number:**

B09633

**Study Duration:**

13 Weeks

**Study Methodology:**

Slide Scoring

**Male Study Result:**

Negative

**Female Study Result:**

Negative

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Tissue: Blood; Sex: Male; Number of Treatments: 92; Time interval between final treatment and cell sampling: 24 h

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<b>MN NCE/1000</b>			
<b>Dose (%)</b>	<b>N</b>	<b>Mean ± SEM</b>	<b>p-Value</b>
Vehicle Control <sup>1</sup>	5	0.80 ± 0.34	
0.5	5	1.10 ± 0.19	0.2455
1.0	5	1.20 ± 0.25	0.1854
2.0	5	1.50 ± 0.22	0.0721
4.0	5	1.50 ± 0.32	0.0721
8.0	5	1.80 ± 0.20	0.0249
Trend p-Value		0.0260	

Trial Summary: Negative

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Tissue: Blood; Sex: Female; Number of Treatments: 92; Time interval between final treatment and cell sampling: 24 h

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<b>MN NCE/1000</b>			
<b>Dose (%)</b>	<b>N</b>	<b>Mean ± SEM</b>	<b>p-Value</b>
Vehicle Control <sup>1</sup>	5	0.60 ± 0.19	
0.5	5	0.80 ± 0.12	0.2964
1.0	5	1.20 ± 0.12	0.0786
2.0	5	1.70 ± 0.25	0.0109
4.0	5	1.20 ± 0.25	0.0786
8.0	5	1.20 ± 0.20	0.0786
Trend p-Value		0.1760	

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: Feed

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