

Experiment Number: A36432

Test Type: Genetic Toxicology - Micronucleus

Route: Dosed-Water

Species/Strain: Mouse/B6C3F1

**G04: In Vivo Micronucleus Summary Data**

Test Compound: Urethane

CAS Number: 51-79-6

Date Report Requested: 09/20/2018

Time Report Requested: 10:52:25

**NTP Study Number:**

A36432

**Study Duration:**

93 Days

**Study Methodology:**

Slide Scoring

**Male Study Result:**

Positive

**Female Study Result:**

Positive

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Tissue: Blood; Sex: Male; Number of Treatments: 93; Time interval between final treatment and cell sampling: 0 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	2.80 ± 0.46	
110.0	5	4.00 ± 0.22	0.0725
330.0	5	7.30 ± 0.25	< 0.001 *
1100.0	5	13.90 ± 0.43	< 0.001 *
Trend p-Value		< 0.001 *	

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Trial Summary: Positive

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Tissue: Blood; Sex: Female; Number of Treatments: 93; Time interval between final treatment and cell sampling: 0 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	1.90 ± 0.24	
110.0	5	5.00 ± 0.82	< 0.001 *
330.0	5	5.80 ± 0.25	< 0.001 *
1100.0	5	18.60 ± 1.03	< 0.001 *
Trend p-Value		< 0.001 *	

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: Water

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