

Experiment Number: 044232

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Mouse/B6C3F1

**G04: In Vivo Micronucleus Summary Data**

Test Compound: Toluene (technical)

CAS Number: 108-88-3

Date Report Requested: 09/19/2018

Time Report Requested: 11:58:26

**NTP Study Number:**

044232

**Study Duration:**

72 Hours

**Study Methodology:**

Slide Scoring

**Male Study Result:**

Negative

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Tissue: Bone marrow; Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 24 h

Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control <sup>1</sup>	5	2.10 ± 0.24		42.36 ± 3.86
500.0	5	1.30 ± 0.37	0.9151	45.86 ± 2.28
1000.0	5	1.30 ± 0.34	0.9151	43.12 ± 1.30
2000.0	5	1.60 ± 0.43	0.7947	42.36 ± 2.56
Trend p-Value		0.7320		
Positive Control <sup>2</sup>	5	5.50 ± 1.15	< 0.001 *	29.02 ± 3.84

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: Corn Oil

2: 12.5 mg/kg Dimethylbenzanthracene

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