

Experiment Number: F39529

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Mouse/B6C3F1

**G04: In Vivo Micronucleus Summary Data**

Test Compound: tert-Butylacrylamide

CAS Number: 107-58-4

Date Report Requested: 09/21/2018

Time Report Requested: 16:26:19

**NTP Study Number:**

F39529

**Study Duration:**

4 Days

**Study Methodology:**

Flow Cytometry

**Male Study Result:**

Equivocal

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**Tissue: Blood; Sex: Male; Number of Treatments: 4; Time interval between final treatment and cell sampling: 24 h**

Dose (mg/kg)	N	MN PCE/1000		N	MN NCE/1000		% PCE	
		Mean ± SEM	p-Value		Mean ± SEM	p-Value	Mean ± SEM	p-Value
Vehicle Control <sup>1</sup>	5	2.480 ± 0.176		5	1.289 ± 0.026		1.752 ± 0.135	
250.0	4	2.113 ± 0.109	0.7150	4	1.361 ± 0.023	0.1029	2.026 ± 0.173	0.5396
500.0	4	3.150 ± 0.286	0.0209 *	4	1.319 ± 0.030	0.1210	1.733 ± 0.124	0.6459
Trend p-Value		0.0542			0.2121		0.9754	
Positive Control <sup>2</sup>	5	10.500 ± 0.406	< 0.001 *	5	1.513 ± 0.034	< 0.001 *	1.275 ± 0.031	0.0090 *
Trial Summary: Equivocal								

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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

Pairwise comparison with the control group; values are significant at  $P \leq 0.025$  by Williams or Dunn's test

Dose-related trend; significant at  $P \leq 0.025$  by linear regression or Jonckheere's test

\* Statistically significant pairwise or trend test

1: Vehicle Control: Corn Oil

2: 25.0 mg/kg Cyclophosphamide

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