

Experiment Number: F62651

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Mouse/B6C3F1

**G04: In Vivo Micronucleus Summary Data**

Test Compound: 5-Amino-o-cresol

CAS Number: 2835-95-2

Date Report Requested: 09/21/2018

Time Report Requested: 16:58:17

**NTP Study Number:**

F62651

**Study Duration:**

3 Days

**Study Methodology:**

Flow Cytometry

**Male Study Result:**

Negative

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Route: Gavage

CAS Number: 2835-95-2

Species/Strain: Mouse/B6C3F1

Tissue: Blood; Sex: Male; Number of Treatments: 3; 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	2.436 ± 0.176		5	1.586 ± 0.051		1.695 ± 0.061	
100.0	5	2.406 ± 0.189	0.6870	5	1.540 ± 0.035	0.7323	1.720 ± 0.073	1.0000
200.0	5	2.064 ± 0.236	0.7732	5	1.518 ± 0.051	0.8137	1.633 ± 0.106	0.6532
400.0	5	2.336 ± 0.160	0.7669	5	1.569 ± 0.029	0.7311	1.418 ± 0.070	0.0262
Trend p-Value		0.6955			0.5620		0.0087 *	
Positive Control <sup>2</sup>	5	28.001 ± 1.091	< 0.001 *	5	1.907 ± 0.032	< 0.001 *	0.149 ± 0.014	< 0.001 *
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

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: 50.0 mg/kg Cyclophosphamide

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