

Experiment Number: A49067

Test Type: Genetic Toxicology - Micronucleus

Route: Intraperitoneal Injection

Species/Strain: Mouse/B6C3F1

**G04: In Vivo Micronucleus Summary Data**

Test Compound: o-Chloroaniline

CAS Number: 95-51-2

Date Report Requested: 09/20/2018

Time Report Requested: 16:34:49

**NTP Study Number:**

A49067

**Study Duration:**

24 Hours

**Study Methodology:**

Slide Scoring

**Male Study Result:**

Negative

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Test Compound: o-Chloroaniline  
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Tissue: Bone marrow; Sex: Male; Number of Treatments: 1; 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	1.10 ± 0.33		39.50 ± 3.54
125.0	5	2.30 ± 0.86	0.0197	34.30 ± 3.69
250.0	5	2.80 ± 0.58	0.0032 *	43.60 ± 4.93
500.0	5	3.40 ± 0.56	< 0.001 *	35.10 ± 2.66
750.0	4	1.38 ± 0.43	0.2999	43.38 ± 3.18
Trend p-Value		0.2020		
Positive Control <sup>2</sup>	5	13.00 ± 2.03	< 0.001 *	37.30 ± 2.87

Trial Summary: Negative

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Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control <sup>1</sup>	5	3.80 ± 1.94		45.20 ± 4.36
125.0	5	1.50 ± 0.35	0.9553	44.80 ± 5.80
250.0	5	2.20 ± 0.51	0.8666	41.40 ± 2.96
500.0	5	2.00 ± 0.65	0.8981	44.60 ± 3.58
750.0	3	1.67 ± 0.33	0.9002	50.67 ± 0.88
1000.0	4	3.25 ± 1.45	0.6296	40.00 ± 5.34
Trend p-Value		0.5370		
Positive Control <sup>2</sup>	5	12.60 ± 2.30	< 0.001 *	41.40 ± 2.77

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: 25.0 mg/kg Cyclophosphamide

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