

Experiment Number: A89139

Test Type: Genetic Toxicology - Micronucleus

Route: Intraperitoneal Injection

Species/Strain: Rat/Fischer 344

**G04: In Vivo Micronucleus Summary Data**

Test Compound: o-Chloroaniline

CAS Number: 95-51-2

Date Report Requested: 09/21/2018

Time Report Requested: 09:12:15

**NTP Study Number:**

A89139

**Study Duration:**

72 Hours

**Study Methodology:**

Slide Scoring

**Male Study Result:**

Positive

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

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Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control <sup>1</sup>	5	1.50 ± 0.42		27.30 ± 3.46
200.0	5	1.60 ± 0.58	0.4452	39.60 ± 1.47
400.0	5	2.50 ± 0.61	0.1126	32.10 ± 3.22
550.0	3	4.00 ± 1.26	0.0087	35.17 ± 7.92
Trend p-Value		0.0070 *		
Positive Control <sup>2</sup>	4	12.75 ± 1.30	< 0.001 *	23.63 ± 1.43

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Trial Summary: Positive

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Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control <sup>1</sup>	5	0.60 ± 0.37		27.40 ± 2.00
200.0	5	1.50 ± 0.35	0.2106	31.10 ± 7.52
400.0	4	2.38 ± 0.52	0.0967	42.88 ± 1.34
550.0	5	7.40 ± 3.70	< 0.001 *	24.00 ± 3.75
Trend p-Value		< 0.001 *		
Positive Control <sup>3</sup>	5	13.60 ± 0.81	< 0.001 *	28.60 ± 2.02

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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

3: 7.5 mg/kg Cyclophosphamide

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