

Experiment Number: A62651

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: 09/20/2018

Time Report Requested: 22:47:18

NTP Study Number:

A62651

Study Duration:

3 Days

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 ¹	5	1.10 ± 0.51		68.80 ± 1.55
100.0	5	2.78 ± 0.60	0.0039 *	62.30 ± 4.39
200.0	5	1.60 ± 0.56	0.1678	65.20 ± 2.08
400.0	5	2.20 ± 0.46	0.0277	66.50 ± 2.95
Trend p-Value		0.1370		
Positive Control ²	5	39.90 ± 4.46	< 0.001 *	27.30 ± 2.31

Trial Summary: Negative

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Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control ¹	5	3.00 ± 0.74		63.10 ± 2.51
50.0	5	2.10 ± 0.58	0.8965	57.10 ± 4.15
100.0	5	2.90 ± 0.48	0.5519	64.60 ± 3.07
200.0	5	2.10 ± 0.37	0.8965	61.40 ± 4.79
400.0	4	2.25 ± 0.32	0.8339	64.75 ± 3.71
Trend p-Value		0.8050		
Positive Control ²	5	42.50 ± 1.54	< 0.001 *	26.00 ± 3.84

Trial Summary: Negative

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LEGEND

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: 50.0 mg/kg Cyclophosphamide

**** END OF REPORT ****