

Experiment Number: A27137

Test Type: Genetic Toxicology - Micronucleus

Route: Intraperitoneal Injection

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: 4-Hexylresorcinol

CAS Number: 136-77-6

Date Report Requested: 09/20/2018

Time Report Requested: 07:25:13

NTP Study Number:

A27137

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

Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control ¹	5	1.20 ± 0.20		53.90 ± 5.43
21.875	5	2.30 ± 0.58	0.0314	60.40 ± 3.16
43.75	5	2.80 ± 0.49	0.0057 *	63.80 ± 2.43
87.5	5	2.40 ± 0.43	0.0227	58.20 ± 2.19
175.0	3	1.33 ± 0.44	0.4086	52.00 ± 0.50
Trend p-Value		0.5760		
Positive Control ²	5	13.40 ± 2.51	< 0.001 *	59.90 ± 4.23

Trial Summary: Positive

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Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control ¹	5	0.80 ± 0.41		57.00 ± 5.45
21.875	5	1.00 ± 0.35	0.3186	48.60 ± 4.60
43.75	5	2.50 ± 0.69	0.0015 *	59.80 ± 4.12
87.5	5	0.70 ± 0.20	0.6019	47.10 ± 6.98
Trend p-Value		0.4810		
Positive Control ²	5	11.50 ± 2.06	< 0.001 *	51.40 ± 1.40

Trial Summary: Positive

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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: 25.0 mg/kg Cyclophosphamide

**** END OF REPORT ****