

Experiment Number: 212368

Test Type: Genetic Toxicology - Micronucleus

Route: Intraperitoneal Injection

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Glutaraldehyde

CAS Number: 111-30-8

Date Report Requested: 09/19/2018

Time Report Requested: 14:05:21

NTP Study Number:

212368

Study Duration:

36 Hours

Study Methodology:

Slide Scoring

Male Study Result:

Equivocal

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Tissue: Bone marrow; Sex: Male; Number of Treatments: 1; Time interval between final treatment and cell sampling: 36 h

Dose (mg/kg)	N	MN PCE/1000		N	MN NCE/1000		% PCE
		Mean ± SEM	p-Value		Mean ± SEM	p-Value	Mean ± SEM
Vehicle Control ¹	5	0.70 ± 0.37		5	0.00 ± 0.00		38.44 ± 3.04
15.0	5	1.50 ± 0.35	0.0440	5	0.00 ± 0.00	0.5000	26.68 ± 4.85
30.0	4	1.38 ± 0.55	0.0773	4	0.00 ± 0.00	0.5000	27.28 ± 1.77
50.0	5	1.90 ± 0.33	0.0093	5	0.00 ± 0.00	0.5000	19.70 ± 2.97
60.0	5	1.60 ± 0.19	0.0302	5	0.00 ± 0.00	0.5000	29.78 ± 4.06
Trend p-Value		0.0280					
1.0 mg/kg Positive Control ²	5	15.80 ± 0.60	< 0.001 *	5	0.00 ± 0.00	0.5000	37.90 ± 2.20
2.0 mg/kg Positive Control ³	5	36.50 ± 3.07	< 0.001 *	5	0.00 ± 0.00	0.5000	28.02 ± 1.43

Trial Summary: Equivocal

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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: Phosphate Buffered Saline

2: 1.0 mg/kg Mitomycin-C

3: 2.0 mg/kg Mitomycin-C

**** END OF REPORT ****