

Experiment Number: A60444
Test Type: Genetic Toxicology - Micronucleus
Route: Intraperitoneal Injection
Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Isobutyraldehyde
CAS Number: 78-84-2

Date Report Requested: 09/20/2018

Time Report Requested: 21:50:30

NTP Study Number:	A60444
Study Duration:	72 Hours
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	1.30 ± 0.30		59.20 ± 4.57
39.06	5	1.70 ± 0.56	0.2324	58.50 ± 5.40
78.13	5	0.70 ± 0.20	0.9103	45.70 ± 3.48
156.25	5	0.80 ± 0.37	0.8625	47.80 ± 6.42
312.5	5	1.40 ± 0.37	0.4236	56.70 ± 1.76
625.0	5	1.00 ± 0.32	0.7343	63.30 ± 3.27
1250.0	4	1.75 ± 0.52	0.2191	34.75 ± 3.63
Trend p-Value		0.1570		
Positive Control ²	5	3.00 ± 0.45	0.0047 *	51.70 ± 6.19

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: 25.0 mg/kg Cyclophosphamide

**** END OF REPORT ****