

Experiment Number: A56966
Test Type: Genetic Toxicology - Micronucleus
Route: Intraperitoneal Injection
Species/Strain: Rat/Fischer 344

G04: In Vivo Micronucleus Summary Data

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

Date Report Requested: 09/20/2018

Time Report Requested: 20:21:15

NTP Study Number:	A56966
Study Duration:	72 Hours
Study Methodology:	Slide Scoring
Male Study Result:	Negative

Experiment Number: A56966
Test Type: Genetic Toxicology - Micronucleus
Route: Intraperitoneal Injection
Species/Strain: Rat/Fischer 344

G04: In Vivo Micronucleus Summary Data
Test Compound: Isobutyraldehyde
CAS Number: 78-84-2

Date Report Requested: 09/20/2018
Time Report Requested: 20:21:15

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 ± 0.25		46.40 ± 3.58
312.5	5	1.10 ± 0.33	0.5826	42.90 ± 2.94
625.0	5	0.90 ± 0.43	0.7438	32.00 ± 2.81
1250.0	4	1.25 ± 0.52	0.4620	26.50 ± 10.93
Trend p-Value		0.4790		
Positive Control ²	5	42.58 ± 4.53	< 0.001 *	8.30 ± 5.27

Trial Summary: Negative

Experiment Number: A56966
Test Type: Genetic Toxicology - Micronucleus
Route: Intraperitoneal Injection
Species/Strain: Rat/Fischer 344

G04: In Vivo Micronucleus Summary Data

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

Date Report Requested: 09/20/2018

Time Report Requested: 20:21:15

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 $p = 0.025$ /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 ****