

Experiment Number: A71579

Test Type: Genetic Toxicology - Micronucleus

Route: Dosed-Water

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Acetone

CAS Number: 67-64-1

Date Report Requested: 09/21/2018

Time Report Requested: 01:58:39

NTP Study Number:

A71579

Study Duration:

90 Days

Study Methodology:

Slide Scoring

Male Study Result:

Negative

Female Study Result:

Negative

Experiment Number: A71579
Test Type: Genetic Toxicology - Micronucleus
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Acetone
CAS Number: 67-64-1

Date Report Requested: 09/21/2018
Time Report Requested: 01:58:39

Tissue: Blood; Sex: Male; Number of Treatments: 90; Time interval between final treatment and cell sampling: 24 h

MN NCE/1000			
Dose (mg/kg)	N	Mean ± SEM	p-Value
Vehicle Control ¹	9	1.50 ± 0.16	
0.5	10	1.43 ± 0.15	0.6326
1.0	10	1.23 ± 0.16	0.9011
2.0	10	1.52 ± 0.15	0.4744
Trend p-Value		0.4780	

Trial Summary: Negative

Experiment Number: A71579
Test Type: Genetic Toxicology - Micronucleus
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data
Test Compound: Acetone
CAS Number: 67-64-1

Date Report Requested: 09/21/2018
Time Report Requested: 01:58:39

Tissue: Blood; Sex: Female; Number of Treatments: 90; Time interval between final treatment and cell sampling: 24 h

MN NCE/1000			
Dose (mg/kg)	N	Mean ± SEM	p-Value
Vehicle Control ¹	10	0.85 ± 0.15	
1.0	10	0.88 ± 0.10	0.4405
2.0	10	1.12 ± 0.10	0.0531
5.0	10	0.94 ± 0.07	0.2943
Trend p-Value		0.2960	

Trial Summary: Negative

Experiment Number: A71579
Test Type: Genetic Toxicology - Micronucleus
Route: Dosed-Water
Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Acetone
CAS Number: 67-64-1

Date Report Requested: 09/21/2018
Time Report Requested: 01:58:39

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: Solvent

**** END OF REPORT ****