

Experiment Number: A61262

Test Type: Genetic Toxicology - Micronucleus

Route: Dosed-Feed

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Cupric sulfate

CAS Number: 7758-99-8

Date Report Requested: 09/20/2018

Time Report Requested: 22:19:11

NTP Study Number:

A61262

Study Duration:

90 Days

Study Methodology:

Slide Scoring

Male Study Result:

Equivocal

Female Study Result:

Negative

Experiment Number: A61262
Test Type: Genetic Toxicology - Micronucleus
Route: Dosed-Feed
Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data
Test Compound: Cupric sulfate
CAS Number: 7758-99-8

Date Report Requested: 09/20/2018
Time Report Requested: 22:19:11

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	10	0.93 ± 0.11	
1000.0	10	1.14 ± 0.10	0.1069
2000.0	10	1.10 ± 0.20	0.1617
4000.0	10	1.41 ± 0.12	0.0040 *
8000.0	10	1.17 ± 0.17	0.0817
16000.0	10	1.30 ± 0.15	0.0183
Trend p-Value		0.0600	
Positive Control ²	3	13.75 ± 1.48	< 0.001 *

Trial Summary: Equivocal

Experiment Number: A61262
Test Type: Genetic Toxicology - Micronucleus
Route: Dosed-Feed
Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Cupric sulfate
CAS Number: 7758-99-8

Date Report Requested: 09/20/2018

Time Report Requested: 22:19:11

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	0.71 ± 0.07	
1000.0	10	0.60 ± 0.13	0.7238
2000.0	10	0.51 ± 0.15	0.8807
4000.0	10	0.62 ± 0.10	0.6896
8000.0	10	0.93 ± 0.12	0.1151
16000.0	10	0.83 ± 0.13	0.2589
Trend p-Value		0.0320	

Trial Summary: Negative

Experiment Number: A61262
Test Type: Genetic Toxicology - Micronucleus
Route: Dosed-Feed
Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Cupric sulfate
CAS Number: 7758-99-8

Date Report Requested: 09/20/2018
Time Report Requested: 22:19:11

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

2: 0.2 mg/kg Urne

**** END OF REPORT ****