

Experiment Number: A54983

Test Type: Genetic Toxicology - Micronucleus

Route: Dosed-Water

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 09/20/2018

Time Report Requested: 19:20:38

NTP Study Number:

A54983

Study Duration:

90 Days

Study Methodology:

Slide Scoring

Male Study Result:

Negative

Female Study Result:

Negative

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Tissue: Blood; Sex: Male; Number of Treatments: 91; Time interval between final treatment and cell sampling: 24 h

MN NCE/1000			
Dose (mg/L)	N	Mean ± SEM	p-Value
Vehicle Control ¹	5	2.70 ± 0.46	
63.0	5	2.60 ± 0.48	0.5547
125.0	5	2.20 ± 0.51	0.7627
250.0	5	3.70 ± 0.44	0.1053
500.0	5	2.50 ± 0.42	0.6094
1000.0	5	2.00 ± 0.52	0.8467
Trend p-Value		0.8570	

Trial Summary: Negative

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Tissue: Blood; Sex: Female; Number of Treatments: 91; Time interval between final treatment and cell sampling: 24 h

MN NCE/1000			
Dose (mg/L)	N	Mean ± SEM	p-Value
Vehicle Control ¹	5	1.70 ± 0.37	
63.0	5	1.20 ± 0.34	0.8236
125.0	5	1.60 ± 0.29	0.5692
250.0	5	1.80 ± 0.30	0.4328
500.0	5	2.10 ± 0.37	0.2580
1000.0	5	1.90 ± 0.24	0.3693
Trend p-Value		0.1580	

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: Solvent

**** END OF REPORT ****