

Experiment Number: A25043

Test Type: Genetic Toxicology - Micronucleus

Route: Intraperitoneal Injection

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Selenium sulfide

CAS Number: 7446-34-6

Date Report Requested: 09/20/2018

Time Report Requested: 06:41:16

NTP Study Number:

A25043

Study Duration:

24 Hours

Study Methodology:

Slide Scoring

Male Study Result:

Negative

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Tissue: Bone marrow; Sex: Male; Number of Treatments: 1; 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	1.60 ± 0.43		49.72 ± 2.90
5.0	5	1.40 ± 0.43	0.6426	48.84 ± 1.92
10.0	5	1.90 ± 0.60	0.3059	43.14 ± 2.41
20.0	5	1.40 ± 0.10	0.6426	39.66 ± 3.14
Trend p-Value		0.5760		
Positive Control ²	5	13.30 ± 2.10	< 0.001 *	48.60 ± 0.43

Trial Summary: Negative

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Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control ¹	5	0.90 ± 0.33		50.12 ± 1.92
5.0	5	1.40 ± 0.56	0.2124	50.06 ± 2.27
10.0	5	1.90 ± 0.58	0.0740	44.84 ± 2.65
20.0	5	1.60 ± 0.51	0.1419	38.36 ± 3.85
Trend p-Value		0.1620		
Positive Control ²	5	4.20 ± 0.73	< 0.001 *	52.52 ± 2.82

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 ****