

Experiment Number: A74921

Test Type: Genetic Toxicology - Micronucleus

Route: Dosed-Feed

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Castor oil

CAS Number: 8001-79-4

Date Report Requested: 09/21/2018

Time Report Requested: 03:35:14

NTP Study Number:

A74921

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: 90; Time interval between final treatment and cell sampling: 24 h

MN NCE/1000			
Dose (%)	N	Mean ± SEM	p-Value
Vehicle Control ¹	10	1.13 ± 0.17	
1.0	20	1.16 ± 0.10	0.4424
3.0	10	1.26 ± 0.10	0.2609
5.0	7	0.92 ± 0.20	0.8498
10.0	10	0.86 ± 0.09	0.9269
Trend p-Value		0.9750	
Positive Control ²	3	16.83 ± 2.54	0.5000

Trial Summary: Negative

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MN NCE/1000			
Dose (%)	N	Mean ± SEM	p-Value
Vehicle Control ¹	10	1.13 ± 0.17	
1.0	20	1.16 ± 0.10	0.4420
3.0	10	1.26 ± 0.10	0.2595
5.0	9	0.87 ± 0.15	0.9214
10.0	10	0.86 ± 0.09	0.9282
Trend p-Value		0.9820	
Positive Control ²	3	16.83 ± 2.54	0.5000

Trial Summary: Negative

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

MN NCE/1000			
Dose (%)	N	Mean ± SEM	p-Value
Vehicle Control ¹	10	0.98 ± 0.12	
1.0	19	0.83 ± 0.07	0.8459
3.0	10	0.91 ± 0.19	0.6492
5.0	10	0.86 ± 0.08	0.7583
10.0	10	0.57 ± 0.06	0.9954
Trend p-Value		0.9900	

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

2: 0.0 % Vcr

**** END OF REPORT ****