

Experiment Number: A67394

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Isoeugenol

CAS Number: 97-54-1

Date Report Requested: 09/21/2018

Time Report Requested: 00:35:25

NTP Study Number:

A67394

Study Duration:

90 Days

Study Methodology:

Slide Scoring

Male Study Result:

Negative

Female Study Result:

Positive

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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 (mg/kg)	N	Mean ± SEM	p-Value
Vehicle Control ¹	5	0.90 ± 0.37	
37.5	5	1.60 ± 0.46	0.0806
75.0	5	0.70 ± 0.25	0.6915
150.0	5	0.90 ± 0.24	0.5000
300.0	5	0.30 ± 0.12	0.9584
600.0	5	0.90 ± 0.19	0.5000
Trend p-Value		0.8410	

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 (mg/kg)	N	Mean ± SEM	p-Value
Vehicle Control ¹	8	0.50 ± 0.16	
37.5	5	1.10 ± 0.19	0.0408
75.0	5	0.20 ± 0.12	0.8850
150.0	5	0.70 ± 0.30	0.2568
300.0	5	1.00 ± 0.35	0.0680
600.0	5	1.60 ± 0.40	0.0022 *
Trend p-Value		0.0010 *	

Trial Summary: Positive

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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

**** END OF REPORT ****