

Experiment Number: A15171

Test Type: Genetic Toxicology - Micronucleus

Route: Microencapsulation in Feed

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: trans-1,2-Dichloroethylene

CAS Number: 156-60-5

Date Report Requested: 09/20/2018

Time Report Requested: 03:39:53

NTP Study Number:

A15171

Study Duration:

13 Weeks

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 (ppm)	N	Mean ± SEM	p-Value
Vehicle Control ¹	10	1.05 ± 0.16	
3125.0	10	1.05 ± 0.23	0.5000
6250.0	10	0.95 ± 0.16	0.6241
12500.0	10	1.05 ± 0.16	0.5000
25000.0	10	0.70 ± 0.17	0.8817
50000.0	10	0.75 ± 0.21	0.8415
Trend p-Value		0.9130	

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 (ppm)	N	Mean ± SEM	p-Value
Vehicle Control ¹	10	0.90 ± 0.21	
3125.0	10	0.65 ± 0.11	0.8155
6250.0	10	0.95 ± 0.22	0.4347
12500.0	10	0.85 ± 0.13	0.5671
25000.0	10	0.75 ± 0.19	0.6993
50000.0	10	0.70 ± 0.15	0.7603
Trend p-Value		0.7300	

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: Microcapsules

**** END OF REPORT ****