

Experiment Number: A72450

Test Type: Genetic Toxicology - Micronucleus

Route: Microencapsulation in Feed

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: 1,1,2,2-Tetrachloroethane

CAS Number: 79-34-5

Date Report Requested: 09/21/2018

Time Report Requested: 02:27:33

NTP Study Number:

A72450

Study Duration:

92 Days

Study Methodology:

Slide Scoring

Male Study Result:

Positive

Female Study Result:

Positive

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Tissue: Blood; Sex: Male; Number of Treatments: 92; Time interval between final treatment and cell sampling: 0 h

MN NCE/1000			
Dose (mg/kg)	N	Mean ± SEM	p-Value
Vehicle Control ¹	5	2.20 ± 0.25	
88.0	5	2.50 ± 0.27	0.3307
175.0	5	2.60 ± 0.19	0.2816
350.0	5	2.90 ± 0.29	0.1632
700.0	5	3.40 ± 0.10	0.0542
1400.0	5	3.80 ± 0.34	0.0193
Trend p-Value		0.0080 *	

Trial Summary: Positive

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Tissue: Blood; Sex: Female; Number of Treatments: 92; Time interval between final treatment and cell sampling: 0 h

MN NCE/1000			
Dose (mg/kg)	N	Mean ± SEM	p-Value
Vehicle Control ¹	5	2.10 ± 0.29	
88.0	5	2.30 ± 0.25	0.3814
175.0	5	3.00 ± 0.16	0.1035
350.0	5	3.30 ± 0.12	0.0510
700.0	5	4.50 ± 0.27	0.0015 *
1400.0	5	5.10 ± 0.43	< 0.001 *
Trend p-Value		< 0.001 *	

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: Microcapsules

**** END OF REPORT ****