

Experiment Number: A49398

Test Type: Genetic Toxicology - Micronucleus

Route: Dosed-Water

Species/Strain: Mouse/C3H

G04: In Vivo Micronucleus Summary Data

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 09/20/2018

Time Report Requested: 16:49:10

NTP Study Number:

A49398

Study Duration:

91 Days

Study Methodology:

Slide Scoring

Male 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

Dose (ppm)	MN PCE/1000			MN NCE/1000			% PCE
	N	Mean ± SEM	p-Value	N	Mean ± SEM	p-Value	Mean ± SEM
Vehicle Control ¹	6	2.83 ± 0.70		6	0.93 ± 0.26		10.97 ± 0.75
180.0	6	4.67 ± 0.67	0.0502	6	1.27 ± 0.37	0.1656	13.77 ± 1.76
360.0	6	5.33 ± 1.12	0.0159	6	0.70 ± 0.18	0.7851	18.00 ± 2.15
540.0	6	3.17 ± 0.54	0.3693	6	1.13 ± 0.14	0.2737	18.50 ± 3.08
720.0	6	3.83 ± 1.17	0.1710	6	1.27 ± 0.18	0.1656	17.57 ± 3.78
Trend p-Value		0.4230			0.2390		

Trial Summary: Negative

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Tissue: Bone marrow; Sex: Male; Number of Treatments: 90; Time interval between final treatment and cell sampling: 24 h

Dose (ppm)	N	MN PCE/1000		N	MN NCE/1000		% PCE
		Mean ± SEM	p-Value		Mean ± SEM	p-Value	Mean ± SEM
Vehicle Control ¹	6	2.33 ± 0.88		6	0.00 ± 0.00		10.97 ± 0.75
180.0	6	3.17 ± 0.65	0.1917	6	0.00 ± 0.00	0.5000	13.77 ± 1.76
360.0	6	2.17 ± 0.48	0.5764	6	0.00 ± 0.00	0.5000	18.00 ± 2.15
540.0	6	4.83 ± 1.05	0.0110	6	0.00 ± 0.00	0.5000	18.50 ± 3.08
720.0	6	4.17 ± 0.31	0.0388	6	0.00 ± 0.00	0.5000	17.57 ± 3.78
Trend p-Value		0.0120 *					

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: Water

**** END OF REPORT ****