

Experiment Number: A75648

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Acrylamide

CAS Number: 79-06-1

Date Report Requested: 09/21/2018

Time Report Requested: 03:59:20

NTP Study Number:

A75648

Study Duration:

4 Days

Study Methodology:

Slide Scoring

Male Study Result:

Positive

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

Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control ¹	5	2.00 ± 0.35		1.82 ± 0.18
12.5	5	3.80 ± 0.56	0.0090	2.16 ± 0.20
25.0	5	4.10 ± 0.29	0.0035 *	1.90 ± 0.08
37.5	5	4.50 ± 0.52	< 0.001 *	1.76 ± 0.21
50.0	5	4.80 ± 0.51	< 0.001 *	1.50 ± 0.21
Trend p-Value		0.0010 *		

Trial Summary: Positive

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

Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control ¹	5	2.20 ± 0.49		68.40 ± 1.35
12.5	5	3.20 ± 1.01	0.0865	64.50 ± 3.14
25.0	5	4.20 ± 0.70	0.0061 *	62.70 ± 2.76
37.5	5	2.80 ± 0.48	0.1992	58.70 ± 3.32
50.0	5	5.00 ± 0.65	< 0.001 *	57.10 ± 2.61
Trend p-Value		0.0020 *		

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: Phosphate Buffered Saline

**** END OF REPORT ****