

Experiment Number: A06541

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Urethane

CAS Number: 51-79-6

Date Report Requested: 09/20/2018

Time Report Requested: 00:17:25

NTP Study Number:

A06541

Study Duration:

6 Weeks

Study Methodology:

Slide Scoring

Male Study Result:

Positive

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Tissue: Blood; Sex: Male; Number of Treatments: 30; Time interval between final treatment and cell sampling: 24 h

Dose (mg/kg)	N	MN PCE/1000		N	MN NCE/1000		% PCE
		Mean ± SEM	p-Value		Mean ± SEM	p-Value	Mean ± SEM
Vehicle Control [†]	9	1.78 ± 0.64		9	1.89 ± 0.45		1.90 ± 0.12
1.0	9	2.33 ± 0.67	0.2496	9	3.44 ± 0.34	0.0215	1.91 ± 0.10
10.0	9	3.89 ± 0.86	0.0143	9	4.78 ± 0.43	< 0.001 *	1.82 ± 0.12
100.0	9	8.22 ± 0.62	< 0.001 *	9	6.33 ± 0.88	< 0.001 *	2.03 ± 0.12
Trend p-Value		< 0.001 *			< 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: Water

**** END OF REPORT ****