

Experiment Number: A56933

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Acrylonitrile

CAS Number: 107-13-1

Date Report Requested: 09/20/2018

Time Report Requested: 20:16:48

NTP Study Number:

A56933

Study Duration:

6 Weeks

Study Methodology:

Slide Scoring

Female Study Result:

Negative

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Tissue: Blood; Sex: Female; 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 ¹	10	2.20 ± 0.47		10	2.20 ± 0.20		5.53 ± 0.45
20.0	10	2.40 ± 0.52	0.3839	10	2.50 ± 0.62	0.3307	5.32 ± 0.41
Trend p-Value		0.3840			0.3310		

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: Solvent

**** END OF REPORT ****