

Experiment Number: A38969
Test Type: Genetic Toxicology - Micronucleus
Route: Intraperitoneal Injection
Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Methacrylonitrile
CAS Number: 126-98-7

Date Report Requested: 09/20/2018

Time Report Requested: 12:12:25

NTP Study Number:	A38969
Study Duration:	72 Hours
Study Methodology:	Slide Scoring
Male Study Result:	Negative

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Tissue: Bone marrow; Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 24 h

Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control ¹	5	1.00 ± 0.16		39.90 ± 1.16
6.25	5	1.60 ± 0.62	0.2886	39.60 ± 3.08
12.5	5	1.60 ± 1.23	0.2886	37.10 ± 3.73
25.0	3	1.17 ± 1.17	0.4410	38.00 ± 3.79
Trend p-Value		0.4500		
Positive Control ²	5	3.30 ± 0.60	< 0.001 *	41.40 ± 3.84

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: Corn Oil

2: 25.0 mg/kg Cyclophosphamide

**** END OF REPORT ****