

Experiment Number: A06877
Test Type: Genetic Toxicology - Micronucleus
Route: Intraperitoneal Injection
Species/Strain: Rat/Fischer 344

G04: In Vivo Micronucleus Summary Data

Test Compound: p-Nitrotoluene
CAS Number: 99-99-0

Date Report Requested: 09/20/2018

Time Report Requested: 00:31:31

NTP Study Number:	A06877
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	0.80 ± 0.12		38.60 ± 2.74
150.0	5	1.00 ± 0.22	0.3186	34.40 ± 5.15
300.0	5	0.80 ± 0.12	0.5000	39.10 ± 2.01
600.0	5	0.90 ± 0.33	0.4041	34.50 ± 2.22
Trend p-Value		0.4660		
Positive Control ²	5	10.30 ± 2.79	< 0.001 *	33.00 ± 0.69

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 ****