

Experiment Number: A22897

Test Type: Genetic Toxicology - Micronucleus

Route: Intraperitoneal Injection

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: p-Nitrotoluene

CAS Number: 99-99-0

Date Report Requested: 09/20/2018

Time Report Requested: 05:51:41

NTP Study Number:

A22897

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

		MN PCE/1000		% PCE	
Dose (mg/kg)	N	Mean ± SEM	p-Value	Mean ± SEM	
Vehicle Control ¹	5	0.90 ± 0.10		44.50 ± 1.68	
150.0	5	2.20 ± 0.37	0.0097	44.10 ± 0.83	
300.0	5	2.50 ± 0.35	0.0030 *	41.50 ± 5.30	
600.0	5	1.70 ± 0.37	0.0582	44.20 ± 2.87	
Trend p-Value		0.1660			
Positive Control ²	5	6.20 ± 1.15	< 0.001 *	44.30 ± 2.12	

Trial Summary: Negative

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Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control ¹	5	1.50 ± 0.32		35.50 ± 6.98
150.0	5	1.90 ± 0.33	0.2462	40.40 ± 5.35
300.0	5	1.60 ± 0.29	0.4287	52.10 ± 7.47
600.0	5	2.20 ± 0.37	0.1247	48.00 ± 2.84
Trend p-Value		0.1500		
Positive Control ²	3	4.67 ± 0.60	< 0.001 *	36.50 ± 2.60

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 ****