

Experiment Number: 279574
Test Type: Genetic Toxicology - Micronucleus
Route: Intraperitoneal Injection
Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Monuron
CAS Number: 150-68-5

Date Report Requested: 09/19/2018
Time Report Requested: 15:00:45

NTP Study Number: 279574
Study Duration: 72 Hours
Study Methodology: Slide Scoring
Male Study Result: Positive

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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	1.10 ± 0.10		56.40 ± 1.65
62.5	4	1.75 ± 0.32	0.1223	45.00 ± 5.26
125.0	5	2.80 ± 0.56	0.0032 *	47.60 ± 6.81
250.0	5	1.40 ± 0.29	0.2741	50.20 ± 4.20
Trend p-Value		0.3100		
Positive Control ²	5	4.70 ± 0.82	< 0.001 *	48.60 ± 2.99

Trial Summary: Positive

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		MN PCE/1000		% PCE
Dose (mg/kg)	N	Mean ± SEM	p-Value	Mean ± SEM
Vehicle Control ¹	5	1.20 ± 0.41		50.80 ± 5.41
125.0	5	3.70 ± 0.64	< 0.001 *	52.00 ± 2.86
250.0	5	6.10 ± 1.02	< 0.001 *	51.60 ± 2.87
Trend p-Value		< 0.001 *		
Positive Control ²	5	4.20 ± 0.37	< 0.001 *	48.50 ± 5.17

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: Corn Oil

2: 12.5 mg/kg Dimethylbenzanthracene

**** END OF REPORT ****