

Experiment Number: A35550
Test Type: Genetic Toxicology - Micronucleus
Route: Intraperitoneal Injection
Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: N-Nitroso-N-methylurea
CAS Number: 684-93-5

Date Report Requested: 09/20/2018

Time Report Requested: 10:38:03

NTP Study Number:	A35550
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

		MN PCE/1000		% PCE	
Dose (mg/kg)	N	Mean ± SEM	p-Value	Mean ± SEM	
Vehicle Control ¹	5	1.00 ± 0.16		60.70 ± 0.78	
25.0	5	2.50 ± 0.63	0.0056 *	58.50 ± 3.39	
50.0	5	1.50 ± 0.22	0.1585	65.60 ± 3.95	
75.0	5	2.60 ± 0.64	0.0038 *	62.00 ± 3.82	
100.0	5	2.30 ± 0.30	0.0118	59.50 ± 0.96	
Trend p-Value		0.0270			
Positive Control ²	5	12.20 ± 1.91	< 0.001 *	56.00 ± 4.58	

Trial Summary: Positive

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Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control ¹	5	0.30 ± 0.12		62.30 ± 3.94
25.0	5	0.60 ± 0.48	0.2648	58.00 ± 3.51
50.0	5	2.10 ± 0.83	0.0104	56.30 ± 5.05
75.0	4	0.50 ± 0.35	0.3354	72.88 ± 4.03
100.0	5	2.60 ± 0.86	0.0036 *	62.40 ± 4.89
Trend p-Value		0.0040 *		
Positive Control ²	5	13.90 ± 3.66	< 0.001 *	60.60 ± 5.19

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: 25.0 mg/kg Cyclophosphamide

**** END OF REPORT ****