

Experiment Number: 829306
Test Type: Genetic Toxicology - Micronucleus
Route: Intraperitoneal Injection
Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: 2-Naphthylamine
CAS Number: 91-59-8

Date Report Requested: 09/19/2018

Time Report Requested: 20:36:50

NTP Study Number:	829306
Study Duration:	72 Hours
Study Methodology:	Slide Scoring
Male Study Result:	Negative

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Tissue: Bone marrow; Sex: Male; Number of Treatments: 2; 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	2.00 ± 0.42		46.38 ± 2.15	
37.5	5	1.30 ± 0.34	0.8887	40.14 ± 3.56	
75.0	5	0.80 ± 0.34	0.9884	36.54 ± 1.18	
150.0	5	1.40 ± 0.19	0.8485	38.24 ± 2.40	
Trend p-Value		0.8480			
Positive Control ²	5	3.90 ± 1.35	0.0066 *	29.62 ± 2.22	

Trial Summary: 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 ³	5	0.90 ± 0.19		38.22 ± 3.60	
100.0	5	2.00 ± 0.16	0.0205	41.90 ± 4.14	
200.0	5	1.80 ± 0.56	0.0415	48.42 ± 2.90	
400.0	5	1.60 ± 0.29	0.0806	43.24 ± 3.26	
Trend p-Value		0.2030			
Positive Control ²	4	7.13 ± 1.52	< 0.001 *	32.90 ± 7.42	

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: Dimethyl Sulfoxide

2: 12.5 mg/kg Dimethylbenzanthracene

3: Vehicle Control: Corn Oil

**** END OF REPORT ****