

Experiment Number: 129952  
Test Type: Genetic Toxicology - Micronucleus  
Route: Intraperitoneal Injection  
Species/Strain: Mouse/B6C3F1

**G04: In Vivo Micronucleus Summary Data**

Test Compound: Methylenedianiline  
CAS Number: 101-77-9

Date Report Requested: 09/19/2018  
Time Report Requested: 12:57:39

<b>NTP Study Number:</b>	129952
<b>Study Duration:</b>	72 Hours
<b>Study Methodology:</b>	Slide Scoring
<b>Male Study Result:</b>	Positive (Nonstandard Protocol)

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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 <sup>1</sup>	5		1.70 ± 0.20		51.30 ± 2.46
9.3	5		2.30 ± 0.41	0.1711	44.50 ± 3.57
18.5	4		2.50 ± 0.84	0.1195	43.25 ± 3.41
37.0	4		2.88 ± 0.97	0.0481	36.88 ± 6.80
Trend p-Value			0.0540		
Positive Control <sup>2</sup>	5		2.00 ± 0.52	0.3108	33.60 ± 3.79
Trial Summary: Positive (Nonstandard Protocol)					

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		MN PCE/1000	% PCE	
Dose (mg/kg)	N	Mean ± SEM	p-Value	Mean ± SEM
Vehicle Control <sup>1</sup>	5	1.90 ± 0.19		35.40 ± 7.64
9.3	5	2.70 ± 0.44	0.1188	45.90 ± 4.08
18.5	5	2.40 ± 0.33	0.2226	54.70 ± 2.80
37.0	5	3.50 ± 0.32	0.0146	62.00 ± 5.16
Trend p-Value		0.0190 *		
Positive Control <sup>2</sup>	5	11.20 ± 1.54	< 0.001 *	35.30 ± 2.91
Trial Summary: Positive (Nonstandard Protocol)				

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#### LEGEND

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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 \*\***