

Experiment Number: 184029  
Test Type: Genetic Toxicology - Micronucleus  
Route: Intraperitoneal Injection  
Species/Strain: Mouse/B6C3F1

**G04: In Vivo Micronucleus Summary Data**

Test Compound: Dimethyl terephthalate  
CAS Number: 120-61-6

Date Report Requested: 09/19/2018

Time Report Requested: 13:44:38

<b>NTP Study Number:</b>	184029
<b>Study Duration:</b>	72 Hours
<b>Study Methodology:</b>	Slide Scoring
<b>Male Study Result:</b>	Negative

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Tissue: Blood; 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 <sup>1</sup>	5	4.30 ± 0.97		3.88 ± 0.34
438.0	4	4.00 ± 0.79	0.6219	3.70 ± 0.41
875.0	5	3.90 ± 0.66	0.6710	2.94 ± 0.32
1750.0	5	4.20 ± 0.46	0.5433	3.52 ± 0.66
Trend p-Value		0.5250		
Positive Control <sup>2</sup>	5	10.40 ± 1.09	< 0.001 *	2.08 ± 0.16

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

Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control <sup>1</sup>	4	1.63 ± 0.24		64.63 ± 4.15
438.0	5	1.80 ± 0.20	0.3892	60.00 ± 4.20
875.0	5	2.60 ± 0.56	0.0811	64.50 ± 3.03
1750.0	3	1.00 ± 0.29	0.8399	72.33 ± 1.76
Trend p-Value		0.7170		
Positive Control <sup>2</sup>	5	7.40 ± 0.33	< 0.001 *	55.50 ± 3.55

Trial Summary: Negative

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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 \*\***