

Experiment Number: A86146  
Test Type: Genetic Toxicology - Micronucleus  
Route: Intraperitoneal Injection  
Species/Strain: Rat/Fischer 344

**G04: In Vivo Micronucleus Summary Data**

Test Compound: Dimethyl adipate  
CAS Number: 627-93-0

Date Report Requested: 09/21/2018

Time Report Requested: 08:03:54

<b>NTP Study Number:</b>	A86146
<b>Study Duration:</b>	72 Hours
<b>Study Methodology:</b>	Slide Scoring
<b>Male Study Result:</b>	Equivocal

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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>	5	0.70 ± 0.25		44.50 ± 2.21
90.5	5	1.40 ± 0.29	0.0632	51.80 ± 3.31
181.0	5	1.30 ± 0.34	0.0897	51.50 ± 2.98
362.0	5	1.40 ± 0.43	0.0632	51.60 ± 1.26
724.0	5	2.30 ± 0.41	0.0017 *	55.90 ± 6.48
Trend p-Value		0.0020 *		
Positive Control <sup>2</sup>	5	17.00 ± 1.41	< 0.001 *	43.30 ± 5.13

Trial Summary: Equivocal

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Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control <sup>1</sup>	4	0.88 ± 0.24		39.50 ± 4.88
181.0	5	0.70 ± 0.34	0.6622	35.20 ± 1.79
362.0	5	0.80 ± 0.12	0.5688	40.00 ± 3.69
724.0	5	0.30 ± 0.12	0.9481	38.50 ± 3.98
Trend p-Value		0.9350		
Positive Control <sup>2</sup>	5	3.50 ± 1.15	< 0.001 *	37.00 ± 3.48

Trial Summary: Equivocal

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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: 25.0 mg/kg Cyclophosphamide

**\*\* END OF REPORT \*\***