

Experiment Number: 595816  
Test Type: Genetic Toxicology - Micronucleus  
Route: Intraperitoneal Injection  
Species/Strain: Mouse/B6C3F1

**G04: In Vivo Micronucleus Summary Data**

Test Compound: 1,3-Dioxane  
CAS Number: 505-22-6

Date Report Requested: 09/19/2018  
Time Report Requested: 18:39:09

**NTP Study Number:** 595816  
**Study Duration:** 72 Hours  
**Study Methodology:** Slide Scoring  
**Male Study Result:** 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 <sup>1</sup>	5	3.90 ± 0.62		38.90 ± 9.24	
500.0	5	3.30 ± 0.60	0.7606	44.70 ± 4.26	
1000.0	5	2.40 ± 0.64	0.9708	40.10 ± 5.10	
2000.0	5	3.10 ± 0.78	0.8309	37.30 ± 3.72	
Trend p-Value		0.8500			
Positive Control <sup>2</sup>	5	6.70 ± 1.33	0.0032 *	16.80 ± 2.27	

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: Phosphate Buffered Saline

2: 0.2 mg/kg Mitomycin-C

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