

Experiment Number: 730810  
Test Type: Genetic Toxicology - Micronucleus  
Route: Intraperitoneal Injection  
Species/Strain: Mouse/B6C3F1

**G04: In Vivo Micronucleus Summary Data**

Test Compound: Treosulfan  
CAS Number: 299-75-2

Date Report Requested: 09/19/2018  
Time Report Requested: 19:43:42

**NTP Study Number:** 730810  
**Study Duration:** 48 Hours  
**Study Methodology:** Slide Scoring  
**Male Study Result:** Positive

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Tissue: Bone marrow; Sex: Male; Number of Treatments: 2; Time interval between final treatment and cell sampling: 24 h

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<b>MN PCE/1000</b>			
<b>Dose (mg/kg)</b>	<b>N</b>	<b>Mean ± SEM</b>	<b>p-Value</b>
Vehicle Control <sup>1</sup>	3	1.33 ± 0.33	
100.0	2	6.50 ± 3.50	0.0121
250.0	3	8.00 ± 1.53	0.0027 *
500.0	3	11.00 ± 3.21	< 0.001 *
750.0	3	12.33 ± 3.18	< 0.001 *
Trend p-Value		< 0.001 *	

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Trial Summary: Positive

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Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control <sup>1</sup>	5	1.40 ± 0.19		31.90 ± 3.58
250.0	5	10.40 ± 1.96	< 0.001 *	31.30 ± 3.89
500.0	4	16.38 ± 0.72	< 0.001 *	29.60 ± 1.92
750.0	5	24.90 ± 3.60	< 0.001 *	31.88 ± 1.72
1000.0	5	27.90 ± 4.58	< 0.001 *	27.30 ± 2.79
Trend p-Value		< 0.001 *		
Positive Control <sup>2</sup>	5	16.70 ± 2.16	< 0.001 *	36.74 ± 1.35

Trial Summary: Positive

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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: 1.0 mg/kg Mitomycin-C

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