

Experiment Number: 196476  
Test Type: Genetic Toxicology - Micronucleus  
Route: Intraperitoneal Injection  
Species/Strain: Mouse/B6C3F1

**G04: In Vivo Micronucleus Summary Data**

Test Compound: Glycidol  
CAS Number: 556-52-5

Date Report Requested: 09/19/2018  
Time Report Requested: 13:49:39

**NTP Study Number:** 196476  
**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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		MN PCE/1000		% PCE
Dose (mg/kg)	N	Mean ± SEM	p-Value	Mean ± SEM
Vehicle Control <sup>1</sup>	3	2.33 ± 1.33		46.57 ± 4.74
100.0	3	2.33 ± 0.88	0.5000	42.97 ± 1.61
Trend p-Value		0.5000		

Trial Summary: Positive

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		MN PCE/1000		% PCE	
Dose (mg/kg)	N	Mean ± SEM	p-Value	Mean ± SEM	
Vehicle Control <sup>1</sup>	5	1.50 ± 0.35		44.06 ± 3.03	
37.5	5	1.50 ± 0.32	0.5000	46.22 ± 2.36	
75.0	5	2.40 ± 0.43	0.0746	46.40 ± 2.19	
150.0	5	4.40 ± 0.80	< 0.001 *	46.42 ± 1.63	
Trend p-Value		< 0.001 *			
Positive Control <sup>2</sup>	5	37.70 ± 4.61	< 0.001 *	41.72 ± 3.62	

Trial Summary: Positive

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		MN PCE/1000		% PCE	
Dose (mg/kg)	N	Mean ± SEM	p-Value	Mean ± SEM	
Vehicle Control <sup>1</sup>	5	0.60 ± 0.19		51.64 ± 2.66	
37.5	5	1.30 ± 0.34	0.0541	43.42 ± 2.99	
75.0	5	0.70 ± 0.25	0.3907	46.76 ± 1.38	
150.0	5	1.90 ± 0.58	0.0046 *	41.40 ± 2.46	
Trend p-Value		0.0070 *			
Positive Control <sup>2</sup>	5	30.20 ± 2.73	< 0.001 *	37.34 ± 1.46	

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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 \*\***