

Experiment Number: 446759
Test Type: Genetic Toxicology - Micronucleus
Route: Intraperitoneal Injection
Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Allyl glycidyl ether
CAS Number: 106-92-3

Date Report Requested: 09/19/2018

Time Report Requested: 16:54:12

NTP Study Number:	446759
Study Duration:	72 Hours
Study Methodology:	Slide Scoring
Male Study Result:	Positive

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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 ¹	3	1.67 ± 1.20		36.67 ± 4.60
200.0	3	14.67 ± 2.03	< 0.001 *	27.60 ± 2.04
Trend p-Value		< 0.001 *		
Positive Control ²	2	10.50 ± 3.50	< 0.001 *	46.30 ± 1.70

Trial Summary: Positive

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		MN PCE/1000		% PCE	
Dose (mg/kg)	N	Mean ± SEM	p-Value	Mean ± SEM	
Vehicle Control ¹	5	2.00 ± 0.42		53.66 ± 0.72	
50.0	5	4.40 ± 0.43	0.0013 *	56.02 ± 1.47	
100.0	4	5.88 ± 0.90	< 0.001 *	50.33 ± 4.05	
200.0	5	20.00 ± 2.01	< 0.001 *	34.38 ± 3.69	
Trend p-Value		< 0.001 *			
Positive Control ²	5	6.50 ± 0.42	< 0.001 *	52.12 ± 1.61	

Trial Summary: Positive

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LEGEND

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 ****