

Experiment Number: 379905
Test Type: Genetic Toxicology - Micronucleus
Route: Gavage
Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data
Test Compound: Daminozide
CAS Number: 1596-84-5

Date Report Requested: 09/19/2018
Time Report Requested: 16:07:27

NTP Study Number:	379905
Study Duration:	72 Hours
Study Methodology:	Slide Scoring
Male Study Result:	Equivocal

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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 ¹	5	1.50 ± 0.22		45.66 ± 1.85
500.0	5	1.50 ± 0.16	0.5000	45.42 ± 5.27
1000.0	5	1.10 ± 0.29	0.7090	49.92 ± 1.72
2000.0	5	2.80 ± 1.38	0.0820	45.22 ± 4.07
Trend p-Value		0.0530		
Positive Control ²	5	5.30 ± 1.11	< 0.001 *	41.54 ± 3.05
Trial Summary: Equivocal				

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		MN PCE/1000	% PCE	
Dose (mg/kg)	N	Mean ± SEM	p-Value	Mean ± SEM
Vehicle Control ¹	5	1.10 ± 0.29		45.84 ± 2.34
500.0	5	1.70 ± 0.46	0.1283	51.88 ± 3.06
1000.0	5	0.80 ± 0.37	0.7545	47.94 ± 1.62
2000.0	5	2.10 ± 0.24	0.0384	55.74 ± 3.18
Trend p-Value		0.0610		
Positive Control ²	5	6.10 ± 0.71	< 0.001 *	50.98 ± 3.77
Trial Summary: Equivocal				

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Tissue: Bone marrow; Sex: Male; Number of Treatments: 2; 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 ¹	5	1.10 ± 0.43		46.96 ± 1.68
2000.0	5	2.40 ± 0.48	0.0139	49.64 ± 1.85
3000.0	5	1.50 ± 0.45	0.2162	50.76 ± 2.42
4000.0	5	2.60 ± 0.75	0.0068 *	48.16 ± 4.78
Trend p-Value		0.0220 *		
Positive Control ²	5	5.60 ± 1.36	< 0.001 *	51.34 ± 1.46
Trial Summary: Equivocal				

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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 ****