

Experiment Number: **G11538B**

Test Type: **Genetic Toxicology - In Vivo Alkaline Comet Assay**

Route: **Oral Gavage**

Species/Strain: **Mouse/B6C3F1**

**G01: In Vivo Alkaline Comet Summary Data**

Test Compound: **1,3-Dichloro-2-propanol**

CAS Number: **96-23-1**

Date Report Requested: **08/30/2018**

Time Report Requested: **15:47:11**

**NTP Study Number:**

G11538B

**Study Duration:**

4 day

**Male Study Result:**

Positive

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**G01: In Vivo Alkaline Comet Summary Data**

Test Compound: 1,3-Dichloro-2-propanol

CAS Number: 96-23-1

Date Report Requested: 08/30/2018

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**Sex: Male; Number of Treatments: 4; Time interval between final treatment and cell sampling: 4 h**

Dose (mg/kg/day)	N	Blood		Colon		
		Percent Tail DNA	p-Value	N	Percent Tail DNA	p-Value
Vehicle Control <sup>1</sup>	5	1.978 ± 0.264		5	18.635 ± 2.548	
25	5	1.627 ± 0.189	0.6722	5	23.124 ± 2.928	0.2615
50	5	1.970 ± 0.375	0.7260	5	19.059 ± 2.744	0.3106
100	5	1.709 ± 0.239	0.7614	4	23.782 ± 2.517	0.1370
Trend p-Value		0.6646			0.1743	
Positive Control <sup>2</sup>	5	30.047 ± 1.949	0.0045 *	5	48.981 ± 6.473	0.0013 *

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**Sex: Male; Number of Treatments: 4; Time interval between final treatment and cell sampling: 4 h**

Dose (mg/kg/day)	N	Liver		Stomach		
		Percent Tail DNA	p-Value	N	Percent Tail DNA	p-Value
Vehicle Control <sup>1</sup>	5	14.884 ± 1.109		5	13.252 ± 1.853	
25	5	18.029 ± 1.353	0.5260	5	28.798 ± 2.827	0.0251 *
50	5	11.435 ± 1.461	0.6112	5	30.745 ± 5.834	0.0175 *
100	5	14.825 ± 0.762	0.6357	5	36.157 ± 7.905	0.0039 *
Trend p-Value		0.7622			0.0054 *	
Positive Control <sup>2</sup>	5	42.574 ± 2.400	< 0.001 *	5	44.010 ± 2.822	< 0.001 *

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LEGEND

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CAS Number = Chemical Abstracts Service registry number

N = Number of subjects

Values given as Mean or Mean  $\pm$  Standard Error Mean

Pairwise comparison with the control group; values are significant at  $P \leq 0.025$  by Williams or Dunn's test

Dose-related trend; significant at  $P \leq 0.025$  by linear regression or Jonckheere's test

\* Statistically significant pairwise or trend test

1: Vehicle Control: 0.9% Saline

2: 150 mg/kg/day Ethyl Methanesulfonate

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