

Experiment Number: **F69577B**

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: **Dimethylacetoacetamide**

CAS Number: **2044-64-6**

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

Time Report Requested: **15:44:41**

**NTP Study Number:**

F69577B

**Study Duration:**

4 day

**Male Study Result:**

Equivocal

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

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Dose (mg/kg/day)	Blood			Liver		
	N	Percent Tail DNA	p-Value	N	Percent Tail DNA	p-Value
Vehicle Control <sup>1</sup>	5	13.066 ± 1.481		5	26.667 ± 1.873	
500	5	19.457 ± 1.365	0.1638	5	31.753 ± 2.982	0.1126
1000	5	12.437 ± 0.844	0.1980	5	29.828 ± 1.486	0.1368
1500	5	12.556 ± 1.117	0.2114	5	34.294 ± 2.602	0.0203 *
Trend p-Value		0.8557			0.0279	
Positive Control <sup>2</sup>	5	28.473 ± 2.904	< 0.001 *	5	38.549 ± 2.084	0.0015 *

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**Stomach**

<b>Dose (mg/kg/day)</b>	<b>N</b>	<b>Percent Tail DNA</b>	<b>p-Value</b>
Vehicle Control <sup>1</sup>	5	21.043 ± 0.606	
500	5	28.911 ± 5.268	0.4276
1000	5	23.794 ± 3.254	1.0000
1500	5	27.188 ± 1.200	0.1037
Trend p-Value		0.1263	
Positive Control <sup>2</sup>	5	30.409 ± 4.464	0.0354

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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: 25 mg/kg/day Cyclophosphamide

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