

Experiment Number: **G10952**

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

Route: **Oral Gavage**

Species/Strain: **Rat/Sprague Dawley**

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

Test Compound: **Carbaryl**

CAS Number: **63-25-2**

Date Report Requested: **02/27/2019**

Time Report Requested: **11:02:14**

**NTP Study Number:** G10952

**Study Duration:** 4 day

**Male Study Result:** Positive

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Test Compound: Carbaryl

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Sex: Male; Number of Treatments: 4

Dose (mg/kg/day)	N	Blood		Frozen Blood	
		Percent Tail DNA	p-Value	Percent Tail DNA	p-Value
Vehicle Control <sup>1</sup>	6	1.240 ± 0.105		6	1.193 ± 0.108
100	6	1.175 ± 0.102	0.5865	6	2.931 ± 0.593
Trend p-Value		0.6675			0.0273
Positive Control <sup>2</sup>	6	17.002 ± 0.855	0.0020 *	6	22.870 ± 1.173
					< 0.001 *

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Sex: Male; Number of Treatments: 4

Dose (mg/kg/day)	N	Frozen Liver		Liver	
		Percent Tail DNA	p-Value	Percent Tail DNA	p-Value
Vehicle Control <sup>1</sup>	6	7.727 ± 0.790		6	2.848 ± 0.472
100	6	7.616 ± 1.185	0.5144	5	2.665 ± 0.317
Trend p-Value		0.5302			0.6170
Positive Control <sup>2</sup>	6	28.134 ± 0.712	< 0.001 *	6	23.334 ± 1.093
					0.0020 *

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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: Corn Oil/Acetone (99:1)

2: 200 mg/kg/day Ethyl Methanesulfonate

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