

Experiment Number: **F39529B**

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: **Tert-Butylacrylamide**

CAS Number: **107-58-4**

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

Time Report Requested: **15:43:58**

NTP Study Number:

F39529B

Study Duration:

4 day

Male Study Result:

Positive

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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		N	Duodenum	
		Percent Tail DNA	p-Value		Percent Tail DNA	p-Value
Vehicle Control ¹	5	7.425 ± 0.517		4	25.366 ± 3.240	
250	4	7.542 ± 0.935	0.4574	5	26.189 ± 0.969	0.4895
500	4	9.024 ± 0.817	0.1025	5	24.715 ± 1.881	0.5625
1000	5	14.161 ± 0.851	< 0.001 *	5	28.434 ± 0.810	0.1649
Trend p-Value		< 0.001 *			0.1231	
Positive Control ²	4	7.511 ± 0.920	0.4664	5	20.655 ± 1.728	0.7633

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Liver

Dose (mg/kg/day)	N	Percent Tail DNA	p-Value
Vehicle Control ¹	5	19.993 ± 3.834	
250	5	16.610 ± 2.200	0.6980
500	5	19.306 ± 1.055	0.6729
1000	5	20.362 ± 0.363	0.5695
Trend p-Value		0.3180	
Positive Control ²	5	17.051 ± 1.363	0.6378

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LEGEND

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

2: 25 mg/kg/day Cyclophosphamide monohydrate

**** END OF REPORT ****