

Experiment Number: **F46736C**

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: **Emtricitabine**

CAS Number: **143491-57-0**

Date Report Requested: **10/25/2018**

Time Report Requested: **15:27:39**

**NTP Study Number:**

F46736C

**Study Duration:**

4 day

**Female Study Result:**

Positive

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

Test Compound: Emtricitabine

CAS Number: 143491-57-0

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

Dose (mg/kg/day)	N	Blood		Liver		
		Percent Tail DNA	p-Value	N	Percent Tail DNA	p-Value
Vehicle Control <sup>1</sup>	5	5.518 ± 0.408		5	12.028 ± 1.293	
750	5	7.742 ± 0.738	0.0124 *	5	13.230 ± 0.958	0.2572
1000	5	6.672 ± 0.158	0.0147 *	5	16.780 ± 1.118	0.0098 *
1500	4	8.011 ± 0.465	0.0017 *	5	20.504 ± 1.606	< 0.001 *
Trend p-Value		0.0036 *			< 0.001 *	
Positive Control <sup>2</sup>	5	9.483 ± 0.621	< 0.001 *	5	20.122 ± 2.398	0.0089 *

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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	33.046 ± 3.006	
750	5	32.823 ± 3.943	0.6457
1000	5	28.461 ± 1.788	0.7328
1500	5	39.290 ± 2.967	0.1046
Trend p-Value		0.1735	
Positive Control <sup>2</sup>	5	36.695 ± 3.515	0.2272

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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

2: 25 mg/kg/day Cyclophosphamide

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