

Experiment Number: **A42705**

Test Type: **Genetic Toxicology - Bacterial  
Mutagenicity**

**G06: Ames Summary Data**

Test Compound: **Emtricitabine (FTC)**

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

Date Report Requested: **09/17/2018**

Time Report Requested: **00:21:12**

**NTP Study Number:**

A42705

**Study Result:**

Negative

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**Strain: TA100**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Rat S9</b>
Vehicle Control <sup>1</sup>	93 ± 7.3	91 ± 2.2	78 ± 10.1	78 ± 12.7
1000.0	81 ± 3.1	103 ± 3.1	68 ± 12.1	95 ± 1.7
2500.0	84 ± 1.9	92 ± 0.9	81 ± 4.1	87 ± 5.4
5000.0	88 ± 5.3	93 ± 6.0	68 ± 5.0	80 ± 9.1
7500.0	86 ± 3.6	96 ± 5.8	72 ± 5.8	85 ± 2.8
10000.0	84 ± 11.6	86 ± 8.8	70 ± 2.9	75 ± 3.8
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	636 ± 34.2	322 ± 29.3		
Positive Control <sup>3</sup>			1114 ± 95.3	743 ± 39.7

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	26 ± 0.7	26 ± 3.0	26 ± 1.7	32 ± 1.5
1000.0	26 ± 2.2	23 ± 2.8	22 ± 1.5	22 ± 2.1
2500.0	25 ± 2.3	23 ± 1.5	23 ± 2.4	22 ± 2.3
5000.0	27 ± 1.9	22 ± 3.9	24 ± 0.7	25 ± 4.7
7500.0	25 ± 0.9	26 ± 2.1	25 ± 1.2	23 ± 2.3
10000.0	28 ± 3.0	27 ± 5.7	27 ± 3.8	18 ± 2.4
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>			1059 ± 52.6	592 ± 24.0
Positive Control <sup>4</sup>	418 ± 48.8	250 ± 2.6		

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Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	176 ± 10.8	174 ± 7.1	220 ± 5.5	214 ± 5.2
1000.0	156 ± 25.1	171 ± 9.5	215 ± 13.7	230 ± 8.4
2500.0	194 ± 1.8	173 ± 10.2	248 ± 23.8	248 ± 8.6
5000.0	183 ± 15.1	162 ± 2.5	189 ± 4.0	203 ± 3.5
7500.0	143 ± 8.5	176 ± 6.9	199 ± 13.5	193 ± 12.2
10000.0	151 ± 20.3	183 ± 8.1	182 ± 20.0	206 ± 10.0
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>				759 ± 21.8
Positive Control <sup>5</sup>			1148 ± 39.9	
Positive Control <sup>6</sup>	1895 ± 117.5	1333 ± 109.8		

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### **LEGEND**

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

The number of samples = 3, unless samples marked toxic or contaminated were excluded from mean and SEM calculations

CAS Number = Chemical Abstracts Service registry number

- 1: Vehicle Control: Dimethyl Sulfoxide
- 2: 1.0 ug/Plate Sodium Azide
- 3: 2.5 ug/Plate 2-Aminoanthracene
- 4: 5.0 ug/Plate 2-Nitrofluorene
- 5: 20.0 ug/Plate 2-Aminoanthracene
- 6: 4000.0 ug/Plate Methyl Methane Sulfonate

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