

Experiment Number: A39147

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

**G06: Ames Summary Data**

Test Compound: **Ethyl hexanoate**

CAS Number: **123-66-0**

Date Report Requested: **09/18/2018**

Time Report Requested: **09:45:32**

**NTP Study Number:**

A39147

**Study Result:**

Negative

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**Strain: TA100**

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	70 ± 3.2	69 ± 4.1	81 ± 5.8	73 ± 6.2
50.0	66 ± 1.3	66 ± 5.0		
100.0	58 ± 3.8	58 ± 3.8		
250.0	63 ± 3.9	65 ± 5.2		
500.0	42 ± 7.3	63 ± 11.3	56 ± 3.5	55 ± 5.6
750.0	24 ± 2.6 <sup>s</sup>	39 ± 2.7		
1000.0	Toxic		62 ± 1.8	65 ± 5.9
2500.0			45 ± 3.3	51 ± 1.2
5000.0			30 ± 4.0	24 ± 2.4 <sup>s</sup>
7500.0			Toxic	16 ± 3.2 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	321 ± 51.2	215 ± 3.7		
Positive Control <sup>3</sup>				1049 ± 80.3
Positive Control <sup>4</sup>			1105 ± 62.6	

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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>	21 ± 2.4	20 ± 4.1	30 ± 2.4	34 ± 1.2
50.0	26 ± 2.0	22 ± 3.2		
100.0	18 ± 0.9	23 ± 0.3		
250.0	20 ± 2.6	26 ± 2.0		
500.0	17 ± 1.8	22 ± 2.8	31 ± 4.4	26 ± 3.7
750.0	13 ± 1.9	17 ± 2.4		
1000.0	Toxic		28 ± 2.9	22 ± 5.5
2500.0			25 ± 1.7	29 ± 2.9
5000.0			22 ± 1.2	23 ± 3.9
7500.0			18 ± 2.3	17 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>			928 ± 47.6	1426 ± 81.6
Positive Control <sup>5</sup>		379 ± 19.9		
Positive Control <sup>6</sup>	518 ± 6.7			

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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>	136 ± 18.9	164 ± 39.6	171 ± 13.3	189 ± 14.7
50.0	119 ± 7.6	198 ± 45.0		
100.0	123 ± 3.1	135 ± 7.5		
250.0	132 ± 10.9	143 ± 45.5		
500.0	128 ± 4.5	106 ± 2.9	185 ± 6.8	187 ± 8.8
750.0	78 ± 3.9	45 ± 13.9		
1000.0	57 ± 14.2		173 ± 1.2	173 ± 5.9
2500.0			113 ± 8.0	128 ± 20.4
5000.0			68 ± 4.0	70 ± 6.4 <sup>s</sup>
7500.0			42 ± 5.4	56 ± 1.8 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>7</sup>			1186 ± 14.9	812 ± 27.5
Positive Control <sup>8</sup>	1838 ± 93.2	1112 ± 51.7		

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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 Sodium Azide

4: 2.5 ug/Plate 2-Aminoanthracene

5: 5.0 nmoles/L 2-Nitrofluorene

6: 5.0 ug/Plate 2-Nitrofluorene

7: 20.0 ug/Plate 2-Aminoanthracene

8: 4000.0 ug/Plate Methyl Methane Sulfonate

s: Slight Toxicity

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