

Experiment Number: A66137

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Ethyl heptanoate

CAS Number: 106-30-9

Date Report Requested: 09/17/2018

Time Report Requested: 13:34:20

**NTP Study Number:**

A66137

**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 ± 0.7	41 ± 5.7	73 ± 1.0	76 ± 5.9
25.0		47 ± 3.0		
50.0	65 ± 7.7	55 ± 5.2		
100.0	57 ± 7.4	45 ± 4.2		
200.0	21 ± 0.6	36 ± 4.5		
300.0		18 ± 3.3 <sup>s</sup>		
400.0	Toxic			
500.0	Toxic			
1000.0			46 ± 1.7	57 ± 5.1
2500.0			33 ± 4.0	32 ± 4.7
5000.0			14 ± 1.3	22 ± 0.9
7500.0			14 ± 1.0	14 ± 1.9
10000.0			12 ± 3.0	12 ± 2.3
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	369 ± 4.5	338 ± 13.9		
Positive Control <sup>3</sup>			924 ± 64.9	986 ± 25.8

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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>	19 ± 0.9	17 ± 2.0	15 ± 1.9	22 ± 4.6
25.0		17 ± 2.5		
50.0	17 ± 0.3	17 ± 1.7		
100.0	18 ± 1.3	15 ± 1.5		
200.0	17 ± 2.4	16 ± 1.9		
300.0		9 ± 1.7 <sup>s</sup>		
400.0	Toxic			
500.0	Toxic			
1000.0			23 ± 2.0	17 ± 2.0
2500.0			26 ± 3.5	14 ± 1.5
5000.0			14 ± 1.5	16 ± 1.5
7500.0			16 ± 1.5	14 ± 1.5 <sup>s</sup>
10000.0			9 ± 1.8	14 ± 5.7
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>			995 ± 16.7	1189 ± 31.6
Positive Control <sup>4</sup>	556 ± 15.4	569 ± 23.9		

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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>	133 ± 14.8	104 ± 5.3	183 ± 12.6	165 ± 6.2
25.0		101 ± 8.6		
50.0	134 ± 16.7	145 ± 4.5		
100.0	156 ± 3.8	134 ± 7.5		
200.0	126 ± 15.2	112 ± 3.5		
300.0		85 ± 16.4		
400.0	90 ± 9.5			
500.0	27 ± 1.5			
1000.0			138 ± 17.2	167 ± 7.3
2500.0			130 ± 11.0	133 ± 5.8
5000.0			93 ± 7.5	72 ± 5.8
7500.0			50 ± 0.6	41 ± 3.8
10000.0			33 ± 1.5	56 ± 4.0
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>5</sup>			1000 ± 29.7	1062 ± 44.3
Positive Control <sup>6</sup>	1538 ± 78.0	1290 ± 290.7		

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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 2-Aminoanthracene

4: 5.0 ug/Plate 2-Nitrofluorene

5: 20.0 ug/Plate 2-Aminoanthracene

6: 4000.0 ug/Plate Methyl Methane Sulfonate

s: Slight Toxicity

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