

Experiment Number: A38866

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

**G06: Ames Summary Data**

Test Compound: **Ethyl butyrate**

CAS Number: **105-54-4**

Date Report Requested: **09/16/2018**

Time Report Requested: **21:09:03**

**NTP Study Number:**

A38866

**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 ± 5.2
500.0	61 ± 4.0	57 ± 2.2	66 ± 3.8	
1000.0				62 ± 1.2
1500.0	60 ± 3.4	64 ± 1.3	64 ± 4.8	
2500.0	70 ± 2.6	64 ± 2.0	56 ± 2.3	67 ± 6.2
5000.0	45 ± 5.5	47 ± 2.4	50 ± 4.3	56 ± 3.3
7500.0	Toxic	Toxic	10 ± 0.3	Toxic
10000.0				Toxic
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	22 ± 4.4	22 ± 4.6
500.0	17 ± 0.3	17 ± 2.4	18 ± 3.4	
1000.0				25 ± 1.2
1500.0	17 ± 1.8	20 ± 0.9	14 ± 1.8	
2500.0	21 ± 3.8	18 ± 0.7	24 ± 2.3	21 ± 0.6
5000.0	11 ± 2.1	12 ± 0.5	15 ± 1.2	26 ± 2.3
7500.0	11 ± 4.3	24 ± 4.9	7 ± 1.2	Toxic
10000.0				Toxic
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
500.0	140 ± 9.9	126 ± 4.5	171 ± 7.8	
1000.0				207 ± 6.4
1500.0	142 ± 6.2	142 ± 23.3	176 ± 13.9	
2500.0	123 ± 9.1	121 ± 1.8	153 ± 10.7	218 ± 10.7
5000.0	70 ± 5.7 <sup>s</sup>	32 ± 7.2	133 ± 8.5	254 ± 36.0
7500.0	Toxic	37 ± 9.0	102 ± 3.6	114 ± 11.0
10000.0				Toxic
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 \*\***