

Experiment Number: A02552

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Ethyl formate

CAS Number: 109-94-4

Date Report Requested: 09/15/2018

Time Report Requested: 11:30:24

**NTP Study Number:**

A02552

**Study Result:**

Negative

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**Strain: TA100**

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<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>	83 ± 6.1	62 ± 1.8	102 ± 4.1	54 ± 4.6
1000.0	81 ± 6.4	73 ± 4.3	97 ± 3.0	55 ± 2.8
2500.0	100 ± 5.0	77 ± 3.3	107 ± 2.1	61 ± 0.3
5000.0	88 ± 4.7	63 ± 4.9	106 ± 1.2	66 ± 3.8
7500.0	80 ± 2.3	62 ± 6.0	104 ± 2.5	65 ± 1.5
10000.0	81 ± 5.2	57 ± 7.1	105 ± 11.5	56 ± 3.8
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	426 ± 48.7	548 ± 19.4		
Positive Control <sup>3</sup>			771 ± 54.3	868 ± 26.7

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**Strain: TA98**

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<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>	30 ± 2.9	16 ± 3.0	33 ± 0.9	27 ± 3.5
1000.0	25 ± 2.7	15 ± 1.7	30 ± 0.9	25 ± 2.0
2500.0	21 ± 4.9	16 ± 1.7	35 ± 1.8	21 ± 0.9
5000.0	21 ± 1.2	16 ± 0.7	34 ± 1.7	25 ± 3.5
7500.0	21 ± 3.8	15 ± 0.6	38 ± 3.5	21 ± 2.8
10000.0	Toxic	14 ± 2.2	34 ± 4.1	15 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>			1499 ± 3.5	662 ± 13.1
Positive Control <sup>4</sup>	707 ± 15.6	693 ± 43.3		

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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>	131 ± 10.1	164 ± 4.0	182 ± 5.7	214 ± 5.9
1000.0	129 ± 3.5	150 ± 9.3	199 ± 6.2	211 ± 10.6
2500.0	171 ± 22.3	149 ± 9.2	202 ± 9.2	204 ± 3.5
5000.0	130 ± 3.6	163 ± 9.5	182 ± 4.3	195 ± 3.7
7500.0	133 ± 4.1	151 ± 10.0	195 ± 13.3	194 ± 2.3
10000.0	146 ± 7.1	137 ± 10.7	211 ± 4.1	185 ± 5.6
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>5</sup>			966 ± 5.9	987 ± 14.1
Positive Control <sup>6</sup>	1767 ± 120.4	1393 ± 47.8		

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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 \*\*