

Experiment Number: A78066

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

**G06: Ames Summary Data**

Test Compound: **N-Ethyl Acetoacetamide**

CAS Number: **10138-46-2**

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

Time Report Requested: **23:24:39**

**NTP Study Number:**

A78066

**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>	93 ± 7.5	70 ± 2.8	72 ± 7.9	65 ± 1.2
1000.0	78 ± 5.0	85 ± 5.8	74 ± 0.9	78 ± 2.6
2500.0	93 ± 8.5	80 ± 9.6	83 ± 2.6	79 ± 6.7
5000.0	94 ± 9.1	74 ± 8.3	83 ± 8.8	70 ± 4.3
7500.0	94 ± 4.6	81 ± 3.3	72 ± 6.7	79 ± 4.5
10000.0	89 ± 6.7	87 ± 5.5	88 ± 2.5	79 ± 4.6
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	452 ± 14.2	161 ± 25.2		
Positive Control <sup>3</sup>			690 ± 34.6	400 ± 17.3

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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>	35 ± 2.6	30 ± 2.5	26 ± 3.2	24 ± 1.5
1000.0	33 ± 0.9	20 ± 2.6	32 ± 1.7	24 ± 1.5
2500.0	27 ± 1.0	29 ± 1.5	28 ± 2.4	27 ± 4.8
5000.0	32 ± 0.9	24 ± 3.7	27 ± 2.3	29 ± 4.3
7500.0	36 ± 2.6	21 ± 3.0	33 ± 1.7	20 ± 2.7
10000.0	26 ± 2.3	24 ± 3.0	31 ± 1.0	19 ± 2.9
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>			246 ± 7.5	248 ± 15.5
Positive Control <sup>4</sup>	175 ± 28.8	132 ± 11.3		

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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>	106 ± 1.7	40 ± 3.3	95 ± 1.9	50 ± 3.2
1000.0	98 ± 4.6	42 ± 1.8	106 ± 4.2	79 ± 3.2
2500.0	79 ± 6.4	45 ± 7.2	108 ± 11.5	86 ± 3.0
5000.0	75 ± 2.0	46 ± 2.0	123 ± 4.7	80 ± 1.3
7500.0	67 ± 3.8	45 ± 0.6	123 ± 7.5	84 ± 7.2
10000.0	66 ± 6.7	53 ± 4.4	131 ± 10.7	96 ± 13.7
Trial Summary	Negative	Negative	Negative	Equivocal
Positive Control <sup>5</sup>			672 ± 44.8	641 ± 40.7
Positive Control <sup>6</sup>	1177 ± 57.3	848 ± 95.8		

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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 \*\***