

Experiment Number: A38689

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

G06: Ames Summary Data

Test Compound: **Ethyl acetate**

CAS Number: **141-78-6**

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

Time Report Requested: **21:05:26**

NTP Study Number:

A38689

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 ¹	80 ± 9.0	80 ± 4.3	90 ± 0.9	61 ± 4.2
1000.0	75 ± 5.2	73 ± 2.9	92 ± 1.9	70 ± 4.0
2500.0	75 ± 3.4	73 ± 3.9	88 ± 0.6	73 ± 1.7
5000.0	84 ± 4.4	74 ± 4.5	84 ± 13.9	78 ± 2.9
7500.0	79 ± 2.8	77 ± 5.7	94 ± 6.8	77 ± 4.2
10000.0	80 ± 3.6	67 ± 2.3	109 ± 3.2	72 ± 2.8
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	426 ± 48.7	548 ± 19.4		
Positive Control ³			771 ± 54.3	868 ± 26.7

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	25 ± 2.3	20 ± 2.2	32 ± 4.0	23 ± 1.5
1000.0	24 ± 1.5	19 ± 2.7	36 ± 1.8	28 ± 2.7
2500.0	20 ± 2.0	22 ± 3.5	36 ± 6.7	23 ± 2.7
5000.0	20 ± 0.9	19 ± 1.5	38 ± 3.4	28 ± 3.2
7500.0	20 ± 1.2	18 ± 1.2	31 ± 1.5	29 ± 2.1
10000.0	Toxic	22 ± 1.9	30 ± 1.9	30 ± 1.8
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ³			1499 ± 3.5	662 ± 13.1
Positive Control ⁴	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 ¹	127 ± 3.2	127 ± 4.4	191 ± 3.3	197 ± 1.2
1000.0	132 ± 3.0	126 ± 3.7	192 ± 12.8	184 ± 5.2
2500.0	131 ± 2.4	131 ± 12.1	187 ± 11.0	190 ± 10.1
5000.0	113 ± 4.8	122 ± 7.4	169 ± 3.1	159 ± 4.4
7500.0	115 ± 1.5	116 ± 3.9	174 ± 2.4	176 ± 9.2
10000.0	126 ± 5.5	112 ± 4.9	177 ± 6.7	173 ± 4.0
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁵			966 ± 5.9	987 ± 14.1
Positive Control ⁶	1767 ± 120.4	1393 ± 47.8		

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LEGEND

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 ****