

Experiment Number: **623002**

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

G06: Ames Summary Data

Test Compound: **Ethyl acrylate**

CAS Number: **140-88-5**

Date Report Requested: **09/10/2018**

Time Report Requested: **16:11:48**

NTP Study Number:

623002

Study Result:

Negative

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Test Compound: Ethyl acrylate

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	154 ± 12.6	170 ± 2.6	139 ± 4.8	137 ± 6.0	160 ± 13.0
100.0	124 ± 10.8	137 ± 11.7	118 ± 5.2	116 ± 9.7	137 ± 11.7
333.0	119 ± 10.3	130 ± 8.6	126 ± 4.8	125 ± 6.8	126 ± 7.1
1000.0	133 ± 9.6	132 ± 2.9	139 ± 12.4	116 ± 3.0	135 ± 8.4
3333.0	101 ± 10.9	150 ± 6.6	119 ± 4.4	125 ± 13.9	132 ± 12.3
10000.0	Toxic	77 ± 1.5 ^s	Toxic	Toxic	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	421 ± 4.7	365 ± 4.7			
Positive Control ³			764 ± 16.7	682 ± 17.3	1307 ± 20.1

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	143 ± 4.8
100.0	118 ± 2.9
333.0	127 ± 2.3
1000.0	129 ± 3.8
3333.0	132 ± 3.3
10000.0	83 ± 15.8
Trial Summary	Negative
Positive Control ²	
Positive Control ³	1603 ± 66.1

Experiment Number: 623002

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	34 ± 3.5	26 ± 6.4	11 ± 3.2	18 ± 3.2	11 ± 2.1
100.0	19 ± 1.5	32 ± 2.0	6 ± 0.9	10 ± 3.5	6 ± 1.2
333.0	14 ± 2.7	39 ± 5.0	6 ± 1.5	14 ± 0.6	6 ± 1.2
1000.0	17 ± 5.0	32 ± 5.4	7 ± 1.0	16 ± 2.0	5 ± 0.7
3333.0	18 ± 1.9	33 ± 3.3	8 ± 2.3	16 ± 4.7	7 ± 1.5
10000.0	Toxic	Toxic	Toxic	Toxic	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	394 ± 2.3	359 ± 12.5			
Positive Control ⁴			289 ± 21.9	198 ± 8.7	486 ± 14.9

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Date Report Requested: 09/10/2018
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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	10 ± 2.3
100.0	14 ± 0.0
333.0	10 ± 2.2
1000.0	9 ± 3.4
3333.0	5 ± 0.0
10000.0	Toxic
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	369 ± 17.8

Experiment Number: 623002

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	9 ± 1.5	5 ± 1.2	9 ± 1.5	14 ± 1.9	8 ± 0.6
100.0	6 ± 0.9	8 ± 2.0	12 ± 2.0	12 ± 3.2	9 ± 1.7
333.0	6 ± 0.7	9 ± 1.9	8 ± 0.9	12 ± 2.4	9 ± 2.3
1000.0	4 ± 0.9	7 ± 1.3	8 ± 2.1	8 ± 0.7	9 ± 2.3
3333.0	3 ± 0.6	8 ± 0.0	7 ± 0.7	11 ± 2.1	8 ± 2.3
10000.0	Toxic	9 ± 4.5 ^s	Toxic	7 ± 2.5	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			304 ± 2.9	161 ± 15.3	424 ± 22.5
Positive Control ⁵	242 ± 23.5	147 ± 18.7			

Experiment Number: 623002

Test Type: Genetic Toxicology - Bacterial
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G06: Ames Summary Data

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Date Report Requested: 09/10/2018

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	4 ± 0.9
100.0	10 ± 2.4
333.0	7 ± 0.7
1000.0	11 ± 3.1
3333.0	4 ± 0.9
10000.0	4 ± 1.5 ^s
Trial Summary	Negative
Positive Control ⁴	574 ± 16.1
Positive Control ⁵	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	21 ± 2.3	19 ± 1.5	35 ± 1.3	49 ± 4.1	38 ± 3.5
100.0	21 ± 2.3	15 ± 3.0	27 ± 0.9	51 ± 5.3	35 ± 4.0
333.0	17 ± 0.9	14 ± 1.9	29 ± 4.7	46 ± 5.5	26 ± 3.8
1000.0	23 ± 3.5	15 ± 1.0	22 ± 2.5	33 ± 4.2	26 ± 0.3
3333.0	16 ± 0.3	16 ± 1.9	31 ± 2.6	26 ± 3.2	36 ± 3.9
10000.0	Toxic	Toxic	4 ± 2.4 ^s	Toxic	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³			571 ± 22.3	502 ± 49.5	1219 ± 34.6
Positive Control ⁶	687 ± 40.0	591 ± 76.8			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	31 ± 3.5
100.0	31 ± 5.5
333.0	31 ± 4.1
1000.0	35 ± 6.7
3333.0	26 ± 5.2
10000.0	Toxic
Trial Summary	Negative
Positive Control ³	1171 ± 136.5
Positive Control ⁶	

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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: 1.0 ug/Plate 2-Aminoanthracene
- 4: 2.5 ug/Plate 2-Aminoanthracene
- 5: 50.0 ug/Plate 9-Aminoacridine
- 6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine
- s: Slight Toxicity

** END OF REPORT **