

Experiment Number: **840926**
Test Type: **Genetic Toxicology - Bacterial Mutagenicity**

G06: Ames Summary Data
Test Compound: **Ethyl acrylate**
CAS Number: **140-88-5**

Date Report Requested: **09/16/2018**
Time Report Requested: **00:22:16**

NTP Study Number: 840926
Study Result: Weakly Positive

Experiment Number: 840926

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Date Report Requested: 09/16/2018

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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	82 ± 4.7	88 ± 1.0	92 ± 7.5	127 ± 8.2	79 ± 2.2
33.0		103 ± 2.2		184 ± 3.1	
100.0	110 ± 5.2	104 ± 6.9	162 ± 9.5	201 ± 6.1	145 ± 8.1
333.0	97 ± 3.6	109 ± 7.8	134 ± 4.5	205 ± 7.7	119 ± 7.2
1000.0	93 ± 9.3	53 ± 52.5	132 ± 24.3	123 ± 6.9	105 ± 9.0
3333.0	92 ± 3.8	Toxic	121 ± 17.6	Toxic	143 ± 5.8
10000.0	0 ± 0.0		0 ± 0.0		0 ± 0.0
Trial Summary	Negative	Negative	Equivocal	Weakly Positive	Equivocal
Positive Control ²			655 ± 67.4	1256 ± 18.0	766 ± 130.8
Positive Control ³	723 ± 145.5	788 ± 89.6			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	132 ± 0.9
33.0	190 ± 6.5
100.0	208 ± 5.8
333.0	191 ± 16.3
1000.0	178 ± 4.0
3333.0	106 ± 5.4
10000.0	
Trial Summary	Weakly Positive
Positive Control ²	2474 ± 5.8
Positive Control ³	

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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	4 ± 1.2	9 ± 0.9	7 ± 1.5	9 ± 2.4	8 ± 1.9
33.0		6 ± 0.9		11 ± 2.2	
100.0	4 ± 0.9	8 ± 1.8	5 ± 1.5	9 ± 1.5	10 ± 2.4
333.0	8 ± 2.0	8 ± 0.7	9 ± 0.3	12 ± 1.3	8 ± 1.2
1000.0	7 ± 0.6	8 ± 1.2	10 ± 2.5	16 ± 1.9	9 ± 1.3
3333.0	6 ± 1.2	0 ± 0.0	8 ± 0.9	1 ± 0.6	11 ± 1.7
10000.0	4 ± 0.6		1 ± 0.7		0 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			74 ± 11.0	103 ± 11.3	200 ± 5.7
Positive Control ³	432 ± 35.1	1154 ± 18.6			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	7 ± 2.6
33.0	15 ± 3.1
100.0	10 ± 2.0
333.0	8 ± 0.0
1000.0	14 ± 6.7
3333.0	1 ± 1.0
10000.0	
Trial Summary	Negative
Positive Control ²	202 ± 5.8
Positive Control ³	

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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	8 ± 1.9	10 ± 1.5	5 ± 0.9	7 ± 2.6	13 ± 1.9
33.0		6 ± 0.3		11 ± 0.6	
100.0	10 ± 3.8	7 ± 0.6	9 ± 1.8	6 ± 1.2	11 ± 1.0
333.0	6 ± 1.5	7 ± 1.2	10 ± 0.6	8 ± 1.5	9 ± 2.3
1000.0	8 ± 1.5	11 ± 1.3	11 ± 0.7	13 ± 1.8	11 ± 1.2
3333.0	4 ± 0.6	0 ± 0.0	11 ± 1.3	1 ± 0.6	8 ± 4.0
10000.0	0 ± 0.0		0 ± 0.0		0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			90 ± 12.2	147 ± 14.5	220 ± 17.5
Positive Control ⁴	46 ± 1.7	77 ± 12.0			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	12 ± 1.7
33.0	10 ± 0.6
100.0	6 ± 1.5
333.0	11 ± 1.8
1000.0	10 ± 0.9
3333.0	0 ± 0.0
10000.0	
Trial Summary	Negative
Positive Control ²	213 ± 18.6
Positive Control ⁴	

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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	23 ± 3.8	27 ± 2.2	29 ± 5.5	31 ± 1.9	28 ± 2.6
33.0		28 ± 0.3		35 ± 0.3	
100.0	19 ± 3.6	29 ± 3.1	32 ± 4.3	33 ± 3.4	34 ± 5.8
333.0	26 ± 3.3	29 ± 3.3	34 ± 3.6	33 ± 3.8	23 ± 1.5
1000.0	26 ± 3.5	27 ± 2.0	29 ± 5.0	31 ± 2.0	25 ± 1.5
3333.0	21 ± 1.5	30 ± 2.6	36 ± 1.5	34 ± 2.9	31 ± 4.4
10000.0	0 ± 0.0		0 ± 0.0		0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			525 ± 15.9	382 ± 32.7	1297 ± 149.4
Positive Control ⁵	237 ± 13.8	245 ± 53.4			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	31 ± 2.7
33.0	33 ± 3.7
100.0	32 ± 3.3
333.0	30 ± 3.2
1000.0	29 ± 3.0
3333.0	39 ± 2.9
10000.0	
Trial Summary	Negative
Positive Control ²	981 ± 127.1
Positive Control ⁵	

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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: Water

2: 1.0 ug/Plate 2-Aminoanthracene

3: 3.3 ug/Plate Sodium Azide

4: 33.0 ug/Plate 9-Aminoacridine

5: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

** END OF REPORT **