

Experiment Number: 440483

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Acrylamide

CAS Number: 79-06-1

Date Report Requested: 09/10/2018

Time Report Requested: 21:38:23

**NTP Study Number:**

440483

**Study Result:**

Negative

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## G06: Ames Summary Data

Test Compound: Acrylamide

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## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	174 ± 4.9	120 ± 14.3	172 ± 4.0	110 ± 12.4	169 ± 5.4
100.0	173 ± 7.8	116 ± 7.7	174 ± 2.5	151 ± 2.0	166 ± 6.2
333.0	167 ± 4.4	122 ± 3.5	175 ± 2.9	148 ± 1.9	173 ± 2.6
1000.0	170 ± 6.3	113 ± 17.0	173 ± 2.5	153 ± 7.8	169 ± 5.9
3333.0	165 ± 6.7	113 ± 16.4	175 ± 1.9	161 ± 13.7	167 ± 9.8
10000.0	150 ± 0.9	79 ± 3.0	154 ± 3.3	129 ± 34.9	159 ± 15.4
Trial Summary	Negative	Negative	Negative	Equivocal	Negative
Positive Control <sup>2</sup>	357 ± 7.7	455 ± 9.3			
Positive Control <sup>3</sup>			467 ± 2.6	338 ± 13.3	1173 ± 6.7

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Strain: TA100

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	123 ± 8.2
100.0	132 ± 3.5
333.0	150 ± 1.3
1000.0	136 ± 10.0
3333.0	112 ± 7.5
10000.0	82 ± 34.5
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	459 ± 27.0

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## Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	23 ± 2.5	14 ± 4.4	13 ± 2.4	7 ± 1.2	13 ± 1.3
100.0	29 ± 0.9	26 ± 8.6	10 ± 2.1	8 ± 1.2	10 ± 2.3
333.0	19 ± 1.0	28 ± 2.7	10 ± 1.8	11 ± 3.5	13 ± 0.9
1000.0	20 ± 1.9	26 ± 2.7	15 ± 1.7	11 ± 2.5	10 ± 2.7
3333.0	12 ± 3.3	20 ± 2.4	14 ± 2.4	9 ± 1.5	13 ± 0.3
10000.0	20 ± 3.7	3 ± 1.5	11 ± 1.7	4 ± 0.9	8 ± 0.3
Trial Summary	Negative	Equivocal	Negative	Negative	Negative
Positive Control <sup>2</sup>	430 ± 22.0	391 ± 27.1			
Positive Control <sup>4</sup>			152 ± 5.5	189 ± 10.5	430 ± 8.7

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Strain: TA1535

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	11 ± 0.6
100.0	9 ± 3.5
333.0	10 ± 2.0
1000.0	10 ± 0.9
3333.0	11 ± 1.9
10000.0	4 ± 1.9
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>4</sup>	383 ± 25.1

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Test Compound: Acrylamide

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## Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	130 ± 3.8	163 ± 6.9	196 ± 4.7	196 ± 4.4	175 ± 2.0
100.0	150 ± 7.5	167 ± 6.9	195 ± 5.3	194 ± 4.0	204 ± 3.2
333.0	150 ± 2.3	172 ± 4.3	201 ± 12.2	198 ± 1.3	197 ± 4.6
1000.0	143 ± 14.2	168 ± 2.9	210 ± 7.8	195 ± 3.5	192 ± 3.9
3333.0	151 ± 6.7	168 ± 5.8	196 ± 3.6	194 ± 2.9	198 ± 11.2
10000.0	158 ± 2.3	172 ± 5.2	187 ± 6.6	198 ± 1.5	191 ± 8.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>			915 ± 12.3	596 ± 12.7	1696 ± 26.4
Positive Control <sup>5</sup>	1191 ± 175.8	901 ± 40.4			

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Strain: TA97

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	188 ± 5.9
100.0	183 ± 3.9
333.0	181 ± 7.3
1000.0	186 ± 3.8
3333.0	174 ± 14.6
10000.0	188 ± 6.8
Trial Summary	Negative
Positive Control <sup>4</sup>	1011 ± 61.6
Positive Control <sup>5</sup>	

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## Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	17 ± 0.3	25 ± 1.8	29 ± 1.2	41 ± 4.9	38 ± 1.9
100.0	22 ± 1.5	26 ± 3.6	28 ± 5.5	36 ± 3.8	32 ± 2.0
333.0	26 ± 3.1	24 ± 2.4	33 ± 4.1	35 ± 3.4	36 ± 2.3
1000.0	24 ± 1.5	22 ± 2.7	30 ± 1.5	35 ± 4.7	34 ± 2.7
3333.0	19 ± 3.7	24 ± 2.4	23 ± 1.2	29 ± 0.3	38 ± 3.2
10000.0	13 ± 0.6	23 ± 0.6	15 ± 1.5	31 ± 3.6	32 ± 2.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>			176 ± 6.1	155 ± 1.5	675 ± 49.9
Positive Control <sup>6</sup>	1373 ± 49.2	993 ± 31.7			



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Strain: TA98

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	31 ± 1.0
100.0	36 ± 3.8
333.0	35 ± 6.2
1000.0	36 ± 3.8
3333.0	37 ± 4.2
10000.0	30 ± 2.8
Trial Summary	Negative
Positive Control <sup>3</sup>	493 ± 21.7
Positive Control <sup>6</sup>	

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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: Water

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

\*\* END OF REPORT \*\*