

Experiment Number: 770475

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

**G06: Ames Summary Data**

Test Compound: **Acetamide**

CAS Number: **60-35-5**

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

Time Report Requested: **20:47:58**

**NTP Study Number:**

770475

**Study Result:**

Negative

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## G06: Ames Summary Data

Test Compound: Acetamide

CAS Number: 60-35-5

Date Report Requested: 09/17/2018

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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 <sup>1</sup>	105 ± 11.3	105 ± 1.8	124 ± 16.8	123 ± 10.3	99 ± 4.9
100.0	118 ± 9.6	89 ± 5.0	109 ± 9.0	115 ± 6.3	111 ± 8.3
333.0	142 ± 9.2	110 ± 16.1	112 ± 15.1	100 ± 9.8	102 ± 1.9
1000.0	112 ± 9.6	96 ± 5.8	111 ± 3.0	107 ± 8.2	106 ± 5.1
3333.0	113 ± 13.7	99 ± 4.9	123 ± 9.2	94 ± 7.9	98 ± 2.9
10000.0	134 ± 2.3	102 ± 11.0	114 ± 6.0	88 ± 5.4	95 ± 3.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					1195 ± 114.9
Positive Control <sup>3</sup>			769 ± 78.8	690 ± 82.6	
Positive Control <sup>4</sup>	1778 ± 155.6	1432 ± 85.3			

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Strain: TA100

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	96 ± 5.7
100.0	100 ± 4.3
333.0	102 ± 2.7
1000.0	105 ± 10.0
3333.0	108 ± 8.5
10000.0	93 ± 3.2
Trial Summary	Negative
Positive Control <sup>2</sup>	1406 ± 64.9
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	

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Test Compound: Acetamide

CAS Number: 60-35-5

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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 <sup>1</sup>	17 ± 2.1	17 ± 1.3	8 ± 1.2	9 ± 2.1	7 ± 1.9
100.0	17 ± 3.9	17 ± 1.8	14 ± 3.5	7 ± 1.5	10 ± 2.7
333.0	14 ± 0.7	17 ± 2.0	12 ± 2.2	7 ± 0.6	12 ± 3.3
1000.0	20 ± 4.5	14 ± 1.7	7 ± 1.2	10 ± 2.5	11 ± 1.5
3333.0	17 ± 1.5	21 ± 3.0	6 ± 0.0	10 ± 1.3	8 ± 1.7
10000.0	23 ± 2.4	17 ± 2.6	8 ± 0.9	9 ± 1.5	9 ± 0.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					79 ± 7.5
Positive Control <sup>3</sup>			52 ± 2.9	50 ± 1.2	
Positive Control <sup>4</sup>	1286 ± 54.7	1235 ± 75.6			

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Strain: TA1535

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	11 ± 1.0
100.0	12 ± 2.7
333.0	8 ± 2.1
1000.0	10 ± 1.5
3333.0	10 ± 3.5
10000.0	10 ± 1.5
Trial Summary	Negative
Positive Control <sup>2</sup>	101 ± 2.3
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	

Experiment Number: 770475

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## G06: Ames Summary Data

Test Compound: Acetamide

CAS Number: 60-35-5

Date Report Requested: 09/17/2018

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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 <sup>1</sup>	6 ± 0.3	6 ± 0.9	7 ± 1.2	8 ± 1.8	4 ± 1.7
100.0	5 ± 0.6	12 ± 3.4	9 ± 1.9	4 ± 0.7	5 ± 1.9
333.0	5 ± 1.0	7 ± 0.9	7 ± 1.3	8 ± 1.5	6 ± 0.9
1000.0	3 ± 0.9	6 ± 3.1	6 ± 1.3	8 ± 2.8	6 ± 0.6
3333.0	4 ± 0.6	6 ± 0.3	10 ± 2.0	9 ± 2.3	6 ± 1.0
10000.0	7 ± 1.2	9 ± 1.0	8 ± 1.5	11 ± 2.1	5 ± 1.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					78 ± 7.1
Positive Control <sup>3</sup>			44 ± 1.2	44 ± 4.1	
Positive Control <sup>5</sup>	231 ± 96.5	174 ± 15.6			

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Strain: TA1537

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	8 ± 2.5
100.0	7 ± 2.0
333.0	4 ± 1.2
1000.0	8 ± 1.0
3333.0	5 ± 1.9
10000.0	5 ± 1.3
Trial Summary	Negative
Positive Control <sup>2</sup>	154 ± 8.7
Positive Control <sup>3</sup>	
Positive Control <sup>5</sup>	

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Test Compound: Acetamide

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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 <sup>1</sup>	14 ± 2.7	20 ± 1.9	26 ± 2.6	19 ± 3.5	22 ± 3.4
100.0	23 ± 3.3	19 ± 3.5	20 ± 3.3	28 ± 1.3	21 ± 2.4
333.0	18 ± 2.3	22 ± 0.7	20 ± 4.1	24 ± 2.2	22 ± 2.6
1000.0	18 ± 1.5	16 ± 2.3	25 ± 1.9	27 ± 3.6	22 ± 1.5
3333.0	18 ± 1.9	23 ± 4.1	20 ± 3.8	25 ± 4.3	21 ± 3.5
10000.0	19 ± 1.8	17 ± 1.7	18 ± 1.5	27 ± 2.3	22 ± 3.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					802 ± 46.8
Positive Control <sup>3</sup>			361 ± 23.5	402 ± 45.9	
Positive Control <sup>6</sup>	1473 ± 87.8	1685 ± 193.3			



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Strain: TA98

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	18 ± 2.2
100.0	25 ± 2.1
333.0	20 ± 4.3
1000.0	21 ± 2.0
3333.0	19 ± 1.5
10000.0	21 ± 3.1
Trial Summary	Negative
Positive Control <sup>2</sup>	1043 ± 52.4
Positive Control <sup>3</sup>	
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: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 80.0 ug/Plate 9-Aminoacridine

6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

**\*\* END OF REPORT \*\***