

Experiment Number: 352527

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

**G06: Ames Summary Data**

Test Compound: **Acetanilide**

CAS Number: **103-84-4**

Date Report Requested: **09/13/2018**

Time Report Requested: **15:38:55**

**NTP Study Number:**

352527

**Study Result:**

Negative

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## G06: Ames Summary Data

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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>	126 ± 6.8	112 ± 12.5	141 ± 7.2	133 ± 9.6	125 ± 10.8
33.0		129 ± 6.7			
100.0	113 ± 7.0	111 ± 7.4	138 ± 7.1	133 ± 1.7	127 ± 5.5
333.0	114 ± 13.5	138 ± 2.3	141 ± 11.7	129 ± 11.5	141 ± 5.2
1000.0	123 ± 11.6	124 ± 8.7	146 ± 2.6	134 ± 4.4	142 ± 9.6
3333.0	131 ± 12.4	131 ± 8.5	131 ± 4.0	147 ± 11.3	114 ± 4.0
10000.0	0 ± 0.0 <sup>s</sup>		104 ± 2.7	124 ± 4.3	107 ± 8.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			747 ± 47.5	1007 ± 26.8	745 ± 46.6
Positive Control <sup>3</sup>	258 ± 1.0	253 ± 30.8			

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**Strain: TA100**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	122 ± 4.9
33.0	
100.0	117 ± 5.6
333.0	117 ± 20.8
1000.0	101 ± 3.9
3333.0	95 ± 5.0
10000.0	77 ± 7.5
Trial Summary	Negative
Positive Control <sup>2</sup>	1796 ± 24.3
Positive Control <sup>3</sup>	

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**Strain: TA1535**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 30% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	10 ± 3.5	17 ± 5.2	7 ± 0.3	8 ± 0.3	8 ± 2.2
33.0		18 ± 1.3			
100.0	13 ± 2.6	22 ± 3.6	5 ± 1.5	15 ± 3.1	6 ± 1.3
333.0	14 ± 0.0	25 ± 4.5	5 ± 1.7	10 ± 1.9	8 ± 2.7
1000.0	17 ± 0.7	24 ± 5.8	7 ± 1.3	11 ± 1.0	9 ± 0.9
3333.0	16 ± 5.6	18 ± 1.2	4 ± 0.3	8 ± 0.3	4 ± 0.6
10000.0	2 ± 0.9 <sup>s</sup>		5 ± 0.9	8 ± 3.2	4 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>	229 ± 7.0	236 ± 17.9			
Positive Control <sup>4</sup>			155 ± 2.9	289 ± 31.4	163 ± 3.8

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**G06: Ames Summary Data**

Test Compound: **Acetanilide**

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**Strain: TA1535**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	4 ± 1.2
33.0	
100.0	5 ± 1.0
333.0	5 ± 1.5
1000.0	5 ± 0.3
3333.0	4 ± 1.8
10000.0	7 ± 0.6
Trial Summary	Negative
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	511 ± 7.7

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Test Compound: Acetanilide

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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>	117 ± 11.8	163 ± 1.5	133 ± 5.3	205 ± 10.7	125 ± 5.6
33.0		178 ± 8.5			
100.0	140 ± 0.3	184 ± 9.3	130 ± 8.6	212 ± 13.4	145 ± 5.2
333.0	136 ± 12.0	189 ± 1.5	133 ± 1.2	206 ± 8.1	131 ± 11.2
1000.0	125 ± 5.0	166 ± 11.7	134 ± 11.7	228 ± 21.6	159 ± 11.9
3333.0	123 ± 10.4	Toxic	126 ± 9.3	190 ± 12.6	145 ± 11.3
10000.0	0 ± 0.0 <sup>s</sup>		121 ± 10.4	151 ± 2.1	110 ± 9.4
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>			414 ± 35.4	425 ± 5.7	923 ± 83.6
Positive Control <sup>5</sup>	860 ± 76.5	1003 ± 26.4			

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**Strain: TA97**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	225 ± 2.3
33.0	
100.0	199 ± 2.1
333.0	187 ± 5.8
1000.0	189 ± 5.2
3333.0	183 ± 11.3
10000.0	135 ± 7.1
Trial Summary	Negative
Positive Control <sup>4</sup>	617 ± 45.0
Positive Control <sup>5</sup>	

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## G06: Ames Summary Data

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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>	13 ± 2.3	14 ± 0.3	22 ± 3.8	29 ± 2.8	24 ± 3.0
33.0		13 ± 0.7			
100.0	11 ± 2.1	12 ± 3.5	20 ± 0.6	30 ± 3.5	19 ± 3.3
333.0	11 ± 1.3	6 ± 0.3	25 ± 1.5	25 ± 2.8	23 ± 2.5
1000.0	19 ± 1.2	8 ± 2.0	24 ± 2.4	29 ± 1.2	17 ± 1.3
3333.0	9 ± 1.5	17 ± 2.4	25 ± 3.5	28 ± 2.6	21 ± 1.9
10000.0	0 ± 0.0 <sup>s</sup>		17 ± 5.6	33 ± 3.0	24 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			531 ± 24.6	846 ± 25.2	542 ± 20.3
Positive Control <sup>6</sup>	575 ± 16.2	752 ± 21.6			



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Strain: TA98

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	16 ± 1.2
33.0	
100.0	20 ± 2.3
333.0	19 ± 1.5
1000.0	18 ± 1.2
3333.0	22 ± 2.7
10000.0	21 ± 1.8
Trial Summary	Negative
Positive Control <sup>2</sup>	1562 ± 64.7
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: Dimethyl Sulfoxide

2: 1.0 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate Sodium Azide

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 \*\***