

Experiment Number: 230717

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

**G06: Ames Summary Data**

Test Compound: **Acetone**

CAS Number: **67-64-1**

Date Report Requested: **09/15/2018**

Time Report Requested: **03:37:50**

**NTP Study Number:**

230717

**Study Result:**

Negative

Experiment Number: 230717

**G06: Ames Summary Data**

Date Report Requested: 09/15/2018

Test Type: **Genetic Toxicology - Bacterial  
Mutagenicity**Test Compound: **Acetone**Time Report Requested: **03:37:50****Strain: TA100**

<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>	108 ± 4.4	89 ± 4.3	101 ± 8.7	121 ± 4.8	85 ± 1.7
100.0	122 ± 5.8	95 ± 3.7	103 ± 2.5	95 ± 5.8	79 ± 3.6
333.0	122 ± 5.8	92 ± 5.9	92 ± 3.2	107 ± 6.9	75 ± 6.0
1000.0	115 ± 10.8	93 ± 7.5	100 ± 5.9	117 ± 10.7	85 ± 6.1
3333.0	116 ± 7.5	90 ± 3.7	96 ± 3.8	101 ± 3.8	85 ± 5.8
10000.0	111 ± 1.2	77 ± 2.3	87 ± 8.0	111 ± 5.6	77 ± 5.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					456 ± 8.4
Positive Control <sup>3</sup>	554 ± 10.8	321 ± 7.7			
Positive Control <sup>4</sup>			684 ± 29.0		
Positive Control <sup>5</sup>				1059 ± 42.5	

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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>	124 ± 1.5
100.0	113 ± 3.7
333.0	118 ± 8.1
1000.0	116 ± 3.1
3333.0	111 ± 5.0
10000.0	115 ± 5.9
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	
Positive Control <sup>5</sup>	826 ± 38.8

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

Time Report Requested: 03:37:50

CAS Number: 67-64-1

**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>	20 ± 2.0	24 ± 3.3	9 ± 3.8	13 ± 0.7	12 ± 2.6
100.0	17 ± 0.9	23 ± 0.7	13 ± 1.5	12 ± 1.2	14 ± 2.7
333.0	22 ± 1.5	16 ± 1.2	11 ± 1.5	14 ± 0.6	13 ± 2.6
1000.0	21 ± 2.7	16 ± 4.1	10 ± 1.5	11 ± 1.5	7 ± 1.5
3333.0	22 ± 3.3	20 ± 2.0	11 ± 1.0	7 ± 1.3	14 ± 3.6
10000.0	25 ± 3.2	19 ± 3.1	15 ± 0.7	13 ± 1.5	14 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					57 ± 7.0
Positive Control <sup>3</sup>	242 ± 15.2	217 ± 13.1			
Positive Control <sup>5</sup>					
Positive Control <sup>6</sup>			170 ± 10.5	144 ± 3.8	

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**G06: Ames Summary Data**

Test Compound: **Acetone**

CAS Number: **67-64-1**

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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>	10 ± 3.5
100.0	13 ± 1.8
333.0	12 ± 2.9
1000.0	11 ± 0.6
3333.0	13 ± 0.9
10000.0	10 ± 1.8
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	
Positive Control <sup>5</sup>	103 ± 1.0
Positive Control <sup>6</sup>	

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Test Compound: **Acetone**

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Date Report Requested: **09/15/2018**

Time Report Requested: **03:37:50**

**Strain: TA1537**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>With 30% Rat S9</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	8 ± 1.7	9 ± 2.3	8 ± 2.3
100.0	7 ± 0.9	6 ± 1.2	5 ± 1.5
333.0	8 ± 2.3	9 ± 1.2	12 ± 0.6
1000.0	7 ± 0.9	6 ± 1.2	8 ± 2.1
3333.0	9 ± 3.0	10 ± 2.6	8 ± 2.5
10000.0	7 ± 1.9	7 ± 0.7	6 ± 2.0
Trial Summary	Negative	Negative	Negative
Positive Control <sup>7</sup>		84 ± 6.7	154 ± 4.4
Positive Control <sup>8</sup>	26 ± 1.8		

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Test Compound: Acetone

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Date Report Requested: 09/15/2018

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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>	81 ± 6.2	91 ± 2.9	124 ± 4.6	127 ± 15.1	78 ± 16.8
100.0	95 ± 6.2	91 ± 4.5	146 ± 4.1	174 ± 7.2	106 ± 3.7
333.0	80 ± 4.2	85 ± 5.0	109 ± 6.9	168 ± 5.9	86 ± 17.5
1000.0	90 ± 2.1	85 ± 8.7	133 ± 3.5	177 ± 5.5	107 ± 5.0
3333.0	104 ± 4.4	65 ± 9.7	130 ± 5.6	177 ± 12.2	81 ± 2.1
10000.0	86 ± 5.5	78 ± 9.9	128 ± 8.8	173 ± 9.0	98 ± 2.6
Trial Summary	Negative	Negative	Negative	Equivocal	Negative
Positive Control <sup>4</sup>					1210 ± 21.1
Positive Control <sup>6</sup>			472 ± 13.5		
Positive Control <sup>7</sup>				567 ± 15.0	
Positive Control <sup>9</sup>	199 ± 14.7	548 ± 6.3			

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Test Compound: **Acetone**

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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>	165 ± 7.9
100.0	149 ± 7.8
333.0	127 ± 4.7
1000.0	112 ± 12.7
3333.0	126 ± 3.8
10000.0	124 ± 8.2
Trial Summary	Negative
Positive Control <sup>4</sup>	
Positive Control <sup>6</sup>	
Positive Control <sup>7</sup>	879 ± 6.4
Positive Control <sup>9</sup>	



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## G06: Ames Summary Data

Test Compound: Acetone

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Time Report Requested: 03:37:50

## 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>	26 ± 5.5	19 ± 2.2	29 ± 1.5	43 ± 3.2	30 ± 0.7
100.0	28 ± 2.9	14 ± 1.3	28 ± 3.8	44 ± 3.2	24 ± 2.6
333.0	30 ± 2.4	17 ± 1.9	32 ± 5.3	39 ± 4.7	28 ± 1.8
1000.0	22 ± 3.7	23 ± 1.9	31 ± 5.5	40 ± 7.5	28 ± 4.4
3333.0	22 ± 3.5	19 ± 3.4	35 ± 3.8	45 ± 4.3	30 ± 2.6
10000.0	26 ± 1.8	22 ± 2.1	24 ± 4.1	42 ± 4.9	32 ± 3.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>10</sup>					266 ± 6.8
Positive Control <sup>2</sup>			121 ± 9.0		
Positive Control <sup>11</sup>	275 ± 4.5	177 ± 13.9			
Positive Control <sup>5</sup>				272 ± 15.7	

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**Strain: TA98**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	39 ± 2.1
100.0	44 ± 3.5
333.0	39 ± 4.7
1000.0	41 ± 3.5
3333.0	56 ± 8.5
10000.0	48 ± 4.3
Trial Summary	Negative
Positive Control <sup>10</sup>	
Positive Control <sup>2</sup>	164 ± 4.3
Positive Control <sup>11</sup>	
Positive Control <sup>5</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: 0.4 ug/Plate 2-Aminoanthracene

3: 0.5 ug/Plate Sodium Azide

4: 0.75 ug/Plate 2-Aminoanthracene

5: 1.0 ug/Plate 2-Aminoanthracene

6: 2.0 ug/Plate 2-Aminoanthracene

7: 2.5 ug/Plate 2-Aminoanthracene

8: 4.0 ug/Plate 9-Aminoacridine

9: 8.0 ug/Plate 9-Aminoacridine

10: 0.2 ug/Plate 2-Aminoanthracene

11: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

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