

Experiment Number: 329111

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

**G06: Ames Summary Data**

Test Compound: **Acetylsalicylic acid**

CAS Number: **50-78-2**

Date Report Requested: **09/12/2018**

Time Report Requested: **16:30:52**

**NTP Study Number:**

329111

**Study Result:**

Negative

Experiment Number: 329111

Test Type: **Genetic Toxicology - Bacterial  
Mutagenicity****G06: Ames Summary Data**Test Compound: **Acetylsalicylic acid**CAS Number: **50-78-2**Date Report Requested: **09/12/2018**Time Report Requested: **16:30:52****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>	122 ± 19.3	133 ± 6.4	136 ± 2.8	147 ± 4.6	148 ± 7.5
1.0		146 ± 9.9		146 ± 3.3	
3.0	118 ± 16.1	124 ± 5.8	157 ± 7.9	126 ± 11.0	141 ± 6.7
10.0	103 ± 4.9	130 ± 3.8	148 ± 5.5	129 ± 1.5	123 ± 5.8
33.0	95 ± 8.7	119 ± 10.8	154 ± 10.7	141 ± 7.2	129 ± 13.5
100.0	102 ± 3.2	119 ± 16.5	160 ± 4.8	124 ± 4.7	112 ± 6.9
333.0	64 ± 6.7		90 ± 13.6		29 ± 5.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					776 ± 55.5
Positive Control <sup>3</sup>			616 ± 25.7	304 ± 1.5	
Positive Control <sup>4</sup>	376 ± 17.9	547 ± 8.0			

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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>	152 ± 7.0
1.0	152 ± 5.3
3.0	161 ± 5.1
10.0	150 ± 10.6
33.0	147 ± 7.2
100.0	147 ± 3.5
333.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	766 ± 29.1
Positive Control <sup>4</sup>	

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Test Type: **Genetic Toxicology - Bacterial Mutagenicity****G06: Ames Summary Data**Test Compound: **Acetylsalicylic acid**CAS Number: **50-78-2**Date Report Requested: **09/12/2018**Time Report Requested: **16:30:52****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>	32 ± 2.7	24 ± 4.5	11 ± 0.3	12 ± 2.0	11 ± 2.0
1.0		27 ± 7.6		12 ± 2.1	
3.0	26 ± 2.6	26 ± 6.4	8 ± 1.3	13 ± 3.5	11 ± 1.5
10.0	24 ± 3.5	27 ± 1.2	9 ± 2.3	10 ± 2.5	10 ± 2.7
33.0	20 ± 2.5	25 ± 2.6	10 ± 1.9	12 ± 1.5	6 ± 0.6
100.0	18 ± 3.9	18 ± 3.8	10 ± 1.2	8 ± 2.2	4 ± 1.0
333.0	4 ± 2.0		2 ± 0.3		0 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>					264 ± 5.8
Positive Control <sup>4</sup>	438 ± 22.3	417 ± 12.9			
Positive Control <sup>5</sup>			219 ± 14.6	92 ± 5.8	

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**G06: Ames Summary Data**

Test Compound: **Acetylsalicylic acid**

CAS Number: **50-78-2**

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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>	11 ± 2.5
1.0	10 ± 1.2
3.0	13 ± 1.9
10.0	10 ± 3.0
33.0	12 ± 2.0
100.0	10 ± 1.8
333.0	
Trial Summary	Negative
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	
Positive Control <sup>5</sup>	418 ± 18.2

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Test Type: Genetic Toxicology - Bacterial  
Mutagenicity**G06: Ames Summary Data**

Test Compound: Acetylsalicylic acid

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Time Report Requested: 16:30:52

**Strain: TA97**

<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>	121 ± 2.3	132 ± 7.1	165 ± 9.7	176 ± 12.4	153 ± 3.2
1.0		154 ± 11.7		164 ± 7.6	
3.0	100 ± 6.3	147 ± 9.4	192 ± 4.4	166 ± 9.5	193 ± 14.5
10.0	111 ± 4.2	153 ± 6.9	186 ± 6.7	159 ± 9.6	193 ± 8.7
33.0	104 ± 9.4	153 ± 3.5	162 ± 3.7	126 ± 11.5	186 ± 11.2
100.0	75 ± 8.2	100 ± 14.3	50 ± 10.2	11 ± 2.0	115 ± 26.3
333.0	3 ± 1.5		4 ± 1.2		7 ± 4.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					556 ± 27.1
Positive Control <sup>3</sup>			483 ± 21.5		
Positive Control <sup>5</sup>				405 ± 13.9	
Positive Control <sup>6</sup>	935 ± 14.2	962 ± 23.2			

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Test Compound: **Acetylsalicylic acid**

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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>	160 ± 5.8
1.0	193 ± 4.5
3.0	184 ± 6.1
10.0	163 ± 6.7
33.0	181 ± 9.9
100.0	132 ± 31.5
333.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	524 ± 14.2
Positive Control <sup>5</sup>	
Positive Control <sup>6</sup>	

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Test Type: **Genetic Toxicology - Bacterial Mutagenicity****G06: Ames Summary Data**Test Compound: **Acetylsalicylic acid**CAS Number: **50-78-2**Date Report Requested: **09/12/2018**Time Report Requested: **16:30:52****Strain: TA98**

<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>	22 ± 2.2	33 ± 2.3	38 ± 1.3	47 ± 7.2	38 ± 5.8
1.0		29 ± 4.9		33 ± 6.1	
3.0	28 ± 4.6	26 ± 1.2	41 ± 4.4	36 ± 6.9	37 ± 2.8
10.0	29 ± 1.5	23 ± 1.2	31 ± 5.5	38 ± 6.7	42 ± 7.3
33.0	31 ± 4.5	23 ± 2.1	33 ± 4.6	38 ± 5.6	33 ± 2.4
100.0	25 ± 2.3	28 ± 1.0	35 ± 3.5	38 ± 8.0	35 ± 2.9
333.0	19 ± 1.3		33 ± 2.7		35 ± 1.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					444 ± 12.1
Positive Control <sup>3</sup>			451 ± 17.9	111 ± 0.7	
Positive Control <sup>7</sup>	749 ± 19.9	1014 ± 11.7			



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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>	41 ± 1.5
1.0	44 ± 3.5
3.0	41 ± 3.4
10.0	50 ± 2.4
33.0	43 ± 3.5
100.0	35 ± 2.0
333.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	401 ± 15.1
Positive Control <sup>7</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: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate 2-Aminoanthracene

4: 1.0 ug/Plate Sodium Azide

5: 2.5 ug/Plate 2-Aminoanthracene

6: 50.0 ug/Plate 9-Aminoacridine

7: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

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