

Experiment Number: 336292

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: **22:20:51**

**NTP Study Number:**

336292

**Study Result:**

Negative

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Date Report Requested: 09/12/2018

Time Report Requested: 22:20:51

**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>	85 ± 5.3	87 ± 5.7	88 ± 3.8	88 ± 3.9	87 ± 2.3
3.3		87 ± 2.5	83 ± 2.3		77 ± 3.7
10.0	85 ± 2.3	79 ± 6.5	87 ± 2.7	100 ± 5.6	79 ± 2.2
33.0	74 ± 4.7	69 ± 2.6	82 ± 8.8	95 ± 5.5	84 ± 3.2
100.0	60 ± 2.0	68 ± 2.9	89 ± 3.2	90 ± 8.1	53 ± 3.7
200.0		50 ± 2.8	20 ± 3.8		6 ± 2.8
333.0	37 ± 0.7			5 ± 4.4	
666.0	0 ± 0.0			0 ± 0.0	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					2060 ± 79.7
Positive Control <sup>3</sup>	363 ± 9.6	284 ± 2.9			
Positive Control <sup>4</sup>			464 ± 24.7		
Positive Control <sup>5</sup>					
Positive Control <sup>6</sup>				431 ± 23.1	

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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>	80 ± 4.3
3.3	
10.0	84 ± 5.3
33.0	77 ± 6.7
100.0	83 ± 4.1
200.0	
333.0	0 ± 0.0
666.0	0 ± 0.0
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	
Positive Control <sup>5</sup>	480 ± 32.5
Positive Control <sup>6</sup>	

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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>	16 ± 1.7	15 ± 2.1	8 ± 1.5	9 ± 2.5	10 ± 1.5
3.3		20 ± 2.3	8 ± 0.3		6 ± 1.2
10.0	18 ± 3.3	18 ± 0.9	12 ± 0.6	8 ± 1.7	5 ± 0.6
33.0	9 ± 0.6	16 ± 1.8	10 ± 0.3	9 ± 1.5	8 ± 1.3
100.0	13 ± 1.2	16 ± 2.3	9 ± 2.0	9 ± 1.2	8 ± 0.9
200.0		4 ± 0.7	3 ± 1.5		1 ± 0.3
333.0	1 ± 0.3			0 ± 0.3	
666.0	0 ± 0.0			0 ± 0.0	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					79 ± 5.7
Positive Control <sup>3</sup>	122 ± 3.8	156 ± 10.5			
Positive Control <sup>5</sup>					
Positive Control <sup>6</sup>			95 ± 7.3	86 ± 7.8	

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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 ± 1.2
3.3	
10.0	8 ± 0.3
33.0	8 ± 0.9
100.0	6 ± 1.5
200.0	
333.0	0 ± 0.0
666.0	0 ± 0.0
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	
Positive Control <sup>5</sup>	188 ± 9.0
Positive Control <sup>6</sup>	

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Test Compound: Acetylsalicylic acid

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## Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control <sup>1</sup>	6 ± 1.8	7 ± 1.2	3 ± 0.7	8 ± 1.9	7 ± 1.7
1.0				9 ± 2.8	
3.3				8 ± 1.2	
10.0	5 ± 0.9	4 ± 0.9	5 ± 1.5	8 ± 1.8	6 ± 0.9
33.0	2 ± 0.6	4 ± 0.7	4 ± 1.2	8 ± 1.2	8 ± 3.3
100.0	3 ± 1.2	4 ± 0.9	1 ± 0.6	4 ± 0.7	7 ± 2.5
200.0				4 ± 0.6	
333.0	3 ± 1.0	3 ± 1.2	0 ± 0.0		1 ± 0.0
666.0	3 ± 0.9	0 ± 0.0	0 ± 0.0		1 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>					
Positive Control <sup>6</sup>			192 ± 2.1	133 ± 5.8	
Positive Control <sup>7</sup>					33 ± 1.9
Positive Control <sup>8</sup>	862 ± 25.3	213 ± 6.7			

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**Strain: TA1537**

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	5 ± 0.7	5 ± 0.6	7 ± 0.6
1.0		6 ± 0.7	
3.3		7 ± 2.5	
10.0	8 ± 1.0	7 ± 0.9	7 ± 0.7
33.0	4 ± 1.3	6 ± 1.2	7 ± 1.5
100.0	4 ± 1.3	3 ± 1.2	4 ± 0.9
200.0		3 ± 0.3	
333.0	0 ± 0.0		4 ± 0.9
666.0	0 ± 0.0		2 ± 0.7
Trial Summary	Negative	Negative	Negative
Positive Control <sup>4</sup>	405 ± 23.2	89 ± 2.3	
Positive Control <sup>6</sup>			
Positive Control <sup>7</sup>			155 ± 18.5
Positive Control <sup>8</sup>			

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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>	71 ± 9.1	80 ± 10.2	118 ± 5.0	146 ± 9.2	108 ± 6.1
0.3	70 ± 2.3			148 ± 1.5	
1.0	72 ± 2.6	72 ± 3.1	107 ± 2.8	134 ± 5.8	96 ± 5.4
3.3	58 ± 3.8	81 ± 2.7	109 ± 4.7	135 ± 3.7	93 ± 0.6
10.0	66 ± 2.3	56 ± 5.5	96 ± 12.4	126 ± 1.9	99 ± 3.2
33.0	49 ± 9.0	68 ± 8.0	54 ± 19.2	114 ± 9.1	89 ± 2.2
67.0		20 ± 11.3	6 ± 1.7		46 ± 4.2
100.0					
333.0					
666.0					
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>					1986 ± 18.5
Positive Control <sup>6</sup>			1075 ± 20.0	380 ± 13.5	
Positive Control <sup>7</sup>					
Positive Control <sup>9</sup>	188 ± 7.8	232 ± 25.2			



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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>	135 ± 5.1
0.3	118 ± 4.4
1.0	120 ± 8.7
3.3	117 ± 4.0
10.0	135 ± 9.2
33.0	150 ± 11.2
67.0	
100.0	
333.0	
666.0	
Trial Summary	Negative
Positive Control <sup>4</sup>	
Positive Control <sup>6</sup>	
Positive Control <sup>7</sup>	711 ± 26.3
Positive Control <sup>9</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>	16 ± 3.4	24 ± 2.7	46 ± 4.8	24 ± 5.2	39 ± 3.8
10.0	15 ± 1.9	20 ± 2.0	47 ± 6.1	27 ± 2.1	37 ± 9.5
33.0	15 ± 3.5	20 ± 1.5	38 ± 2.9	24 ± 2.3	44 ± 3.0
100.0	16 ± 0.7	20 ± 2.5	44 ± 1.2	22 ± 2.2	40 ± 5.1
333.0	10 ± 1.2	15 ± 2.0	34 ± 6.8	25 ± 2.0	28 ± 3.5
666.0	9 ± 2.0	14 ± 1.8	23 ± 2.4	9 ± 2.9	18 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>10</sup>					823 ± 29.2
Positive Control <sup>2</sup>			249 ± 34.7		
Positive Control <sup>11</sup>	279 ± 11.7	277 ± 7.8			
Positive Control <sup>5</sup>				107 ± 4.8	

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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>	23 ± 5.5
10.0	22 ± 1.7
33.0	24 ± 0.6
100.0	21 ± 2.0
333.0	16 ± 3.0
666.0	9 ± 2.3
Trial Summary	Negative
Positive Control <sup>10</sup>	
Positive Control <sup>2</sup>	45 ± 6.3
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: Dimethyl Sulfoxide

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 \*\***