

Experiment Number: 624506

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Gibberellic acid

CAS Number: 77-06-5

Date Report Requested: 09/10/2018

Time Report Requested: 16:44:10

**NTP Study Number:**

624506

**Study Result:**

Negative

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**Strain: TA100**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	145 ± 13.5	159 ± 0.6	165 ± 8.4	148 ± 7.2	179 ± 10.1
100.0	137 ± 4.9	145 ± 15.1	157 ± 8.5	133 ± 5.0	167 ± 13.8
333.0	152 ± 15.2	148 ± 5.8	156 ± 4.0	137 ± 8.8	163 ± 13.4
1000.0	141 ± 7.1	149 ± 9.5	168 ± 8.5	123 ± 0.9	171 ± 14.8
3333.0	135 ± 10.3	142 ± 6.7	170 ± 7.9	141 ± 5.8	157 ± 15.0
10000.0	143 ± 10.4	132 ± 1.2	168 ± 13.9	135 ± 13.9	164 ± 16.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	301 ± 3.1	407 ± 29.7			
Positive Control <sup>3</sup>			650 ± 26.8	783 ± 47.7	1405 ± 54.5

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Strain: TA100

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	134 ± 3.2
100.0	132 ± 5.0
333.0	122 ± 4.1
1000.0	118 ± 7.5
3333.0	119 ± 9.3
10000.0	124 ± 4.3
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	1711 ± 71.5

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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 10% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	25 ± 2.9	29 ± 1.5	34 ± 2.5	34 ± 7.8	35 ± 3.5
100.0	24 ± 4.3	33 ± 2.8	22 ± 3.8	35 ± 3.5	36 ± 7.6
333.0	14 ± 0.7	31 ± 6.6	23 ± 3.3	31 ± 2.0	37 ± 4.0
1000.0	18 ± 3.7	34 ± 3.8	28 ± 1.9	45 ± 3.3	20 ± 3.9
3333.0	17 ± 1.5	25 ± 3.8	23 ± 5.0	36 ± 5.2	23 ± 3.5
10000.0	18 ± 0.9	25 ± 0.9	23 ± 3.4	33 ± 4.3	22 ± 5.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	290 ± 6.5	359 ± 3.6			
Positive Control <sup>4</sup>			167 ± 7.9	230 ± 11.1	361 ± 14.7

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**Strain: TA1535**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	28 ± 4.7
100.0	27 ± 3.9
333.0	34 ± 4.0
1000.0	32 ± 4.0
3333.0	31 ± 3.2
10000.0	30 ± 4.6
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>4</sup>	430 ± 11.0

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**Strain: TA1537**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	9 ± 2.3	4 ± 0.0	3 ± 1.2	6 ± 0.9	6 ± 1.8
100.0	13 ± 2.6	9 ± 2.0	5 ± 1.3	11 ± 2.0	3 ± 1.0
333.0	7 ± 1.0	6 ± 0.6	8 ± 2.1	9 ± 1.5	10 ± 2.2
1000.0	6 ± 1.2	8 ± 3.3	7 ± 2.7	14 ± 1.0	8 ± 2.3
3333.0	10 ± 4.2	7 ± 1.2	6 ± 0.3	12 ± 1.7	9 ± 2.0
10000.0	7 ± 3.0	6 ± 0.6	10 ± 1.7	11 ± 2.3	6 ± 0.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>			184 ± 20.9	277 ± 9.0	546 ± 9.9
Positive Control <sup>5</sup>	226 ± 29.6	745 ± 79.3			

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Strain: TA1537

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	7 ± 0.9
100.0	6 ± 0.9
333.0	8 ± 3.0
1000.0	7 ± 0.9
3333.0	6 ± 0.9
10000.0	8 ± 2.5
Trial Summary	Negative
Positive Control <sup>4</sup>	588 ± 22.8
Positive Control <sup>5</sup>	

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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>	28 ± 1.2	15 ± 1.5	37 ± 4.1	25 ± 1.9	40 ± 1.8
100.0	18 ± 1.5	11 ± 1.3	39 ± 0.9	27 ± 1.2	36 ± 2.1
333.0	19 ± 3.2	13 ± 2.4	29 ± 3.0	25 ± 2.9	30 ± 4.0
1000.0	23 ± 4.3	17 ± 4.0	32 ± 2.6	26 ± 1.2	40 ± 1.9
3333.0	22 ± 5.0	13 ± 2.0	36 ± 1.7	21 ± 3.8	41 ± 5.6
10000.0	21 ± 0.3	12 ± 2.7	32 ± 4.2	20 ± 2.4	33 ± 4.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>			456 ± 22.4	642 ± 35.6	1211 ± 47.4
Positive Control <sup>6</sup>	693 ± 35.3	942 ± 48.3			



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Strain: TA98

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	25 ± 2.9
100.0	32 ± 4.2
333.0	23 ± 3.8
1000.0	22 ± 3.1
3333.0	27 ± 1.2
10000.0	23 ± 5.0
Trial Summary	Negative
Positive Control <sup>3</sup>	1323 ± 96.2
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: 95% Ethanol

2: 1.0 ug/Plate Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

\*\* END OF REPORT \*\*