

Experiment Number: 329795

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

**G06: Ames Summary Data**

Test Compound: **Gallic acid**

CAS Number: **149-91-7**

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

Time Report Requested: **16:41:35**

**NTP Study Number:**

329795

**Study Result:**

Equivocal

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## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	98 ± 43.6	58 ± 2.7	97 ± 6.4	107 ± 12.3	71 ± 4.5
100.0	105 ± 7.5	129 ± 3.2	123 ± 9.3	49 ± 2.3	115 ± 5.2
333.3	105 ± 3.4	135 ± 7.4	98 ± 3.5	68 ± 7.8	122 ± 7.6
1000.0	119 ± 4.8	135 ± 3.2	104 ± 6.8	70 ± 7.7	119 ± 4.9
3333.3	124 ± 7.3	153 ± 11.0	103 ± 5.6	76 ± 6.9	126 ± 1.5
10000.0	133 ± 5.2	141 ± 3.5	46 ± 25.2 <sup>s</sup>	22 ± 16.0	0 ± 0.0
Trial Summary	Equivocal	Weakly Positive	Negative	Negative	Equivocal
Positive Control <sup>2</sup>	263 ± 22.9	457 ± 5.0	471 ± 3.3		
Positive Control <sup>3</sup>				893 ± 31.5	765 ± 59.6

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Strain: TA100

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Dose (ug/Plate)	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	88 ± 5.6	110 ± 8.1	68 ± 3.2
100.0	130 ± 2.6	109 ± 10.4	113 ± 2.1
333.3	104 ± 9.5	120 ± 7.8	109 ± 3.2
1000.0	119 ± 7.3	126 ± 12.1	113 ± 1.5
3333.3	113 ± 6.7	131 ± 5.9	120 ± 9.3
10000.0	87 ± 2.0	152 ± 6.2	90 ± 6.8 <sup>p</sup>
Trial Summary	Equivocal	Equivocal	Equivocal
Positive Control <sup>2</sup>			
Positive Control <sup>3</sup>	508 ± 25.7	1563 ± 23.4	1380 ± 36.4

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## Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	21 ± 2.4	12 ± 1.2	12 ± 0.3	11 ± 0.3	13 ± 2.6
100.0	10 ± 3.9	26 ± 1.3	8 ± 3.2	18 ± 4.4	10 ± 0.5
333.3	14 ± 1.0	19 ± 1.5	4 ± 1.3	16 ± 2.3	18 ± 3.2
1000.0	8 ± 0.3	28 ± 3.5	7 ± 1.2	18 ± 3.0	11 ± 2.2
3333.3	7 ± 1.2	24 ± 1.9	10 ± 2.5	17 ± 2.3	9 ± 1.8
10000.0	6 ± 2.5	19 ± 0.7	Toxic	12 ± 3.0 <sup>p</sup>	12 ± 1.9
Trial Summary	Negative	Equivocal	Negative	Negative	Negative
Positive Control <sup>2</sup>	334 ± 52.4	376 ± 5.7			
Positive Control <sup>4</sup>			288 ± 3.7	321 ± 44.2	424 ± 16.7

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Strain: TA1535

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	17 ± 1.7
100.0	16 ± 0.5
333.3	15 ± 1.8
1000.0	13 ± 2.0
3333.3	14 ± 0.7
10000.0	12 ± 2.3 <sup>p</sup>
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>4</sup>	306 ± 6.4

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Test Compound: Gallic acid

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## Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	8 ± 1.5	4 ± 1.2	7 ± 0.6	15 ± 1.2	6 ± 1.2
100.0	23 ± 1.5	3 ± 2.4	8 ± 1.2	21 ± 3.2	7 ± 2.1
333.3	14 ± 3.2	2 ± 1.2 <sup>s</sup>	12 ± 1.3	31 ± 4.0	7 ± 1.5
1000.0	8 ± 0.6	Toxic	9 ± 1.7 <sup>s</sup>	26 ± 0.9	6 ± 0.9
3333.3	9 ± 2.9	Toxic	5 ± 1.2 <sup>s</sup>	28 ± 0.9	4 ± 1.5
10000.0	12 ± 1.3	Toxic	Toxic	6 ± 1.8 <sup>p</sup>	7 ± 1.9 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>				319 ± 28.4	99 ± 7.8
Positive Control <sup>5</sup>	308 ± 8.0	870 ± 97.6	87 ± 18.2		

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	15 ± 2.0	5 ± 0.7
100.0	19 ± 0.9	4 ± 0.6
333.3	30 ± 2.9	7 ± 0.9
1000.0	27 ± 1.8	6 ± 1.9
3333.3	23 ± 1.8	4 ± 1.0
10000.0	8 ± 3.6 <sup>p</sup>	3 ± 0.3 <sup>p</sup>
Trial Summary	Equivocal	Negative
Positive Control <sup>4</sup>	635 ± 17.2	243 ± 26.3
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 ± 5.9	23 ± 4.0	36 ± 4.3	20 ± 2.9	34 ± 3.5
100.0	29 ± 4.9	36 ± 5.5	24 ± 3.0	51 ± 2.8	25 ± 5.4
333.3	20 ± 3.0	39 ± 6.9	22 ± 2.3	52 ± 3.5	33 ± 3.8
1000.0	20 ± 2.9	24 ± 3.0	23 ± 4.8	52 ± 6.2	24 ± 3.7
3333.3	9 ± 1.5 <sup>s</sup>	9 ± 0.3 <sup>s</sup>	10 ± 2.7	50 ± 5.2	30 ± 3.2
10000.0	Toxic	Toxic	Toxic	8 ± 7.7 <sup>p</sup>	33 ± 3.8
Trial Summary	Negative	Negative	Negative	Equivocal	Negative
Positive Control <sup>3</sup>			698 ± 37.4	509 ± 20.5	1528 ± 6.1
Positive Control <sup>6</sup>	373 ± 9.1	850 ± 18.0			



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Strain: TA98

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	24 ± 2.3
100.0	47 ± 6.7
333.3	56 ± 4.0
1000.0	49 ± 0.6
3333.3	49 ± 5.7
10000.0	20 ± 1.8 <sup>p</sup>
Trial Summary	Weakly Positive
Positive Control <sup>3</sup>	1170 ± 9.5
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: Acetone

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

p: Precipitate

s: Slight Toxicity

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