

Experiment Number: 722795

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: 01:16:30

NTP Study Number:

722795

Study Result:

Negative

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	113 ± 7.4	93 ± 8.2	119 ± 5.7	130 ± 6.7	117 ± 9.8
100.0	130 ± 3.5	93 ± 12.2	102 ± 11.0	94 ± 5.3	129 ± 7.8
333.0	131 ± 2.3 ^s	99 ± 9.4	121 ± 3.0	103 ± 7.0	132 ± 4.3
1000.0	110 ± 14.1 ^s	119 ± 1.2 ^s	115 ± 5.8	98 ± 2.4	102 ± 10.5
3333.0	152 ± 1.5 ^s	117 ± 8.4 ^s	109 ± 10.9	120 ± 13.5	121 ± 4.3
6666.0	Toxic	Toxic	119 ± 4.0 ^p	110 ± 1.5 ^p	136 ± 7.1 ^p
Trial Summary	Equivocal	Negative	Negative	Negative	Negative
Positive Control ²					2062 ± 88.2
Positive Control ³			1019 ± 14.0	1172 ± 58.6	
Positive Control ⁴	1391 ± 20.8	1243 ± 46.1			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	102 ± 5.2
100.0	113 ± 4.3
333.0	108 ± 6.7
1000.0	109 ± 7.0
3333.0	94 ± 5.5
6666.0	128 ± 4.3 ^p
Trial Summary	Negative
Positive Control ²	1152 ± 42.7
Positive Control ³	
Positive Control 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 ¹	14 ± 1.9	20 ± 1.8	10 ± 0.9	8 ± 1.7	7 ± 0.3
100.0	11 ± 2.6	11 ± 1.8	5 ± 1.9	14 ± 0.6	8 ± 1.3
333.0	10 ± 0.6 ^s	13 ± 1.9 ^s	7 ± 2.1	8 ± 3.5	12 ± 0.7
1000.0	9 ± 0.3 ^s	17 ± 3.0 ^s	9 ± 1.7	12 ± 0.3	9 ± 0.9
3333.0	12 ± 2.1 ^s	11 ± 2.3 ^s	9 ± 0.3	9 ± 2.1	7 ± 2.0
6666.0	3 ± 0.5 ^s	Toxic	9 ± 1.5 ^p	7 ± 1.2 ^p	12 ± 1.2 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					125 ± 2.1
Positive Control ³			67 ± 4.3	82 ± 2.0	
Positive Control ⁴	1111 ± 8.5	1154 ± 35.2			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	7 ± 2.3
100.0	10 ± 2.2
333.0	10 ± 1.2
1000.0	7 ± 0.6
3333.0	9 ± 1.2
6666.0	10 ± 0.6 ^p
Trial Summary	Negative
Positive Control ²	123 ± 12.7
Positive Control ³	
Positive Control ⁴	

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Test Compound: Gallic acid

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	7 ± 1.5	5 ± 0.6	6 ± 2.0	6 ± 0.9	9 ± 0.7
100.0	9 ± 4.9	3 ± 1.2 ^S	11 ± 0.6	12 ± 1.8	7 ± 1.5
333.0	6 ± 1.5 ^S	3 ± 0.7 ^S	9 ± 1.2	9 ± 0.0	7 ± 1.2
1000.0	3 ± 0.0 ^S	3 ± 1.2 ^S	6 ± 1.7	8 ± 2.2	6 ± 1.8
3333.0	Toxic	8 ± 0.9 ^S	7 ± 1.2	6 ± 0.9	7 ± 1.5
6666.0	Toxic	Toxic	5 ± 0.7 ^P	7 ± 1.2 ^P	5 ± 1.0 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					256 ± 8.4
Positive Control ³			109 ± 13.3	123 ± 1.2	
Positive Control ⁵	286 ± 24.9	264 ± 45.3			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	10 ± 0.9
100.0	8 ± 1.2
333.0	8 ± 1.7
1000.0	7 ± 1.5
3333.0	7 ± 1.5
6666.0	4 ± 0.7 ^P
Trial Summary	Negative
Positive Control ²	240 ± 14.8
Positive Control ³	
Positive Control ⁵	

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Test Compound: Gallic acid

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CAS Number: 149-91-7

Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	21 ± 0.3	24 ± 2.7	26 ± 3.4	22 ± 1.7	34 ± 1.2
100.0	22 ± 2.8	21 ± 3.8	25 ± 1.2	21 ± 2.8	23 ± 2.8
333.0	12 ± 1.5 ^s	23 ± 2.9	21 ± 3.7	20 ± 1.5	22 ± 2.4
1000.0	12 ± 1.5 ^s	16 ± 0.9	13 ± 2.1	18 ± 0.3	24 ± 0.6
3333.0	Toxic	21 ± 3.5	15 ± 2.4	17 ± 3.5	18 ± 2.4
6666.0	Toxic	13 ± 2.1 ^p	14 ± 3.1 ^p	20 ± 3.8 ^p	16 ± 0.6 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²				2103 ± 43.0	1996 ± 149.3
Positive Control ³		977 ± 49.6	1400 ± 49.6		
Positive Control ⁶	1131 ± 54.5				

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LEGEND

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: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 80.0 ug/Plate 9-Aminoacridine

6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

s: Slight Toxicity

**** END OF REPORT ****