

Experiment Number: A00874

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Tannic acid

CAS Number: 1401-55-4

Date Report Requested: 09/15/2018

Time Report Requested: 11:04:44

NTP Study Number:

A00874

Study Result:

Weakly Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	111 ± 6.1	151 ± 12.0	157 ± 10.4	139 ± 4.2	157 ± 17.3
100.0	121 ± 6.2	136 ± 3.6	166 ± 10.0	152 ± 2.7	148 ± 3.7
333.0	124 ± 14.6	161 ± 3.5	160 ± 3.2	124 ± 5.9	151 ± 3.5
1000.0	123 ± 8.1	136 ± 19.5	154 ± 2.0	124 ± 6.4	163 ± 5.3
3333.0	119 ± 5.1 ^P	137 ± 1.9	158 ± 3.1	124 ± 1.3	166 ± 4.3
10000.0	118 ± 2.6 ^P	165 ± 10.7 ^P	148 ± 13.3 ^P	127 ± 5.8 ^P	179 ± 5.8 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					324 ± 21.9
Positive Control ³	651 ± 11.9	407 ± 16.2			
Positive Control ⁴			415 ± 14.4		
Positive Control ⁵					
Positive Control ⁶				833 ± 34.1	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	139 ± 0.9
100.0	141 ± 2.8
333.0	141 ± 5.9
1000.0	138 ± 7.3
3333.0	140 ± 2.8 ^P
10000.0	131 ± 2.7 ^P
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	554 ± 33.3
Positive Control ⁶	

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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 ¹	8 ± 1.2	12 ± 1.2	12 ± 1.5	10 ± 1.0	8 ± 0.9
100.0	11 ± 3.5	10 ± 2.1	12 ± 1.8	9 ± 1.7	6 ± 1.7
333.0	10 ± 0.6	12 ± 1.2	10 ± 1.9	9 ± 1.2	6 ± 1.5
1000.0	8 ± 1.8	11 ± 1.8	12 ± 0.9	11 ± 1.8	7 ± 1.5
3333.0	7 ± 0.7	12 ± 2.0	10 ± 2.0	11 ± 2.4	12 ± 2.3
10000.0	9 ± 1.0 ^p	14 ± 0.3 ^p	10 ± 1.5 ^p	12 ± 1.5 ^p	8 ± 2.0 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					48 ± 9.2
Positive Control ³	222 ± 8.4	291 ± 16.5			
Positive Control ⁵					
Positive Control ⁶			169 ± 10.5	190 ± 16.7	

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	8 ± 0.3
100.0	12 ± 1.5
333.0	9 ± 3.2
1000.0	12 ± 4.2
3333.0	13 ± 3.5
10000.0	14 ± 1.2 ^p
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁵	68 ± 10.9
Positive Control ⁶	

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	8 ± 2.3
100.0	7 ± 1.9
333.0	9 ± 1.8
1000.0	6 ± 1.5
3333.0	5 ± 1.0
10000.0	6 ± 1.5 ^p
Trial Summary	Negative
Positive Control ⁶	386 ± 20.4

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G06: Ames Summary Data
Test Compound: Tannic acid
CAS Number: 1401-55-4

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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 ¹	109 ± 5.6	132 ± 5.2	200 ± 6.1	156 ± 10.0	122 ± 9.4
100.0	109 ± 1.5	128 ± 9.0	198 ± 3.8	172 ± 9.9	155 ± 9.9
333.0	117 ± 4.7	149 ± 4.0	163 ± 4.7	136 ± 11.8	149 ± 11.2
1000.0	112 ± 3.1	141 ± 7.9	158 ± 15.1	131 ± 3.6	193 ± 8.5
3333.0	112 ± 5.2	153 ± 5.8	129 ± 6.4	130 ± 2.6	152 ± 6.9
10000.0	118 ± 8.8 ^p	139 ± 10.7 ^p	134 ± 4.0 ^p	132 ± 4.9 ^p	182 ± 6.7 ^p
Trial Summary	Negative	Negative	Negative	Negative	Equivocal
Positive Control ⁴					461 ± 6.6
Positive Control ⁶			1309 ± 125.6	802 ± 161.8	
Positive Control ⁷	223 ± 2.6	462 ± 20.3			

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Strain: TA97

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	128 ± 12.4	123 ± 7.0
100.0	146 ± 9.7	127 ± 4.4
333.0	154 ± 14.1	129 ± 9.5
1000.0	151 ± 8.7	122 ± 3.0
3333.0	182 ± 5.9	137 ± 4.3
10000.0	241 ± 8.7 ^p	136 ± 9.3 ^p
Trial Summary	Weakly Positive	Negative
Positive Control ⁴	993 ± 70.2	
Positive Control ⁶		560 ± 34.4
Positive Control ⁷		

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 30% Rat S9
Vehicle Control ¹	11 ± 0.9	13 ± 1.2	17 ± 0.0	20 ± 3.0	17 ± 0.0
100.0	15 ± 1.9	11 ± 0.9	18 ± 1.8	17 ± 0.9	18 ± 1.8
333.0	13 ± 0.3	13 ± 2.6	17 ± 2.5	18 ± 1.2	17 ± 2.5
1000.0	11 ± 0.6	15 ± 1.2	12 ± 1.5	17 ± 1.8	12 ± 1.5
3333.0	14 ± 1.3 ^p	17 ± 1.0	15 ± 3.8	17 ± 0.9	15 ± 3.8
10000.0	13 ± 0.6 ^p	19 ± 2.6 ^p	18 ± 1.8 ^p	15 ± 0.7 ^p	18 ± 1.8 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			157 ± 24.8		157 ± 24.8
Positive Control ⁸	88 ± 4.3	123 ± 13.5			
Positive Control ⁵				368 ± 9.4	

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	16 ± 2.8	20 ± 1.0
100.0	19 ± 0.9	19 ± 1.9
333.0	14 ± 0.6	19 ± 0.3
1000.0	14 ± 0.7	20 ± 1.5
3333.0	19 ± 3.8	17 ± 0.6 ^p
10000.0	20 ± 2.5 ^p	21 ± 0.3 ^p
Trial Summary	Negative	Negative
Positive Control ²	171 ± 20.0	
Positive Control ⁸		
Positive Control ⁵		392 ± 60.8

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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: Water

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: 24.0 ug/Plate 9-Aminoacridine

8: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

** END OF REPORT **