

Experiment Number: 985325

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

G06: Ames Summary Data

Test Compound: **Propyl gallate**

CAS Number: **121-79-9**

Date Report Requested: **09/18/2018**

Time Report Requested: **07:22:32**

NTP Study Number:

985325

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	159 ± 0.6	159 ± 7.5	148 ± 7.2	127 ± 6.7	134 ± 3.2
10.0	108 ± 11.1	115 ± 6.4	161 ± 9.7	123 ± 7.5	121 ± 9.3
33.0	102 ± 1.3	93 ± 4.4	156 ± 18.9	113 ± 2.3	110 ± 6.4
100.0	101 ± 8.1	82 ± 6.8	151 ± 2.5	105 ± 9.4	105 ± 10.7
333.0	76 ± 7.1	63 ± 8.4	113 ± 7.0	82 ± 4.8	80 ± 4.9
1000.0	12 ± 8.3	0 ± 0.0 ^s	3 ± 1.7	0 ± 0.3 ^s	0 ± 0.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	407 ± 29.7	416 ± 16.2			
Positive Control ³			783 ± 47.7	712 ± 22.3	1711 ± 71.5

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	134 ± 1.9
10.0	141 ± 6.5
33.0	120 ± 18.9
100.0	106 ± 15.1
333.0	81 ± 4.8
1000.0	0 ± 0.0 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	1785 ± 44.9

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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	29 ± 1.5	41 ± 2.1	34 ± 7.8	41 ± 1.8	28 ± 4.7
10.0	26 ± 3.8	26 ± 4.1	33 ± 2.4	30 ± 1.7	31 ± 2.7
33.0	22 ± 3.8	23 ± 2.7	28 ± 4.9	27 ± 0.9	24 ± 2.3
100.0	14 ± 3.3	13 ± 5.9	18 ± 1.5	13 ± 3.2	16 ± 1.2
333.0	3 ± 2.5	4 ± 0.3	10 ± 2.2	4 ± 0.6	5 ± 0.3
1000.0	Toxic	Toxic	3 ± 2.5	0 ± 0.0 ^s	0 ± 0.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	359 ± 3.6	536 ± 4.4			
Positive Control ⁴			230 ± 11.1	273 ± 6.9	430 ± 11.0

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	30 ± 2.8
10.0	30 ± 1.2
33.0	24 ± 6.9
100.0	13 ± 0.0
333.0	4 ± 2.0
1000.0	Toxic
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	486 ± 4.3

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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	4 ± 0.0	10 ± 1.9	6 ± 0.9	10 ± 2.8	7 ± 0.9
10.0	5 ± 1.2	12 ± 0.0	12 ± 1.7	12 ± 1.8	5 ± 1.0
33.0	7 ± 1.0	12 ± 1.2	15 ± 1.0	10 ± 2.5	7 ± 1.2
100.0	8 ± 0.7	7 ± 0.9	13 ± 3.2	6 ± 1.5	6 ± 1.7
333.0	4 ± 0.0	11 ± 0.3	10 ± 2.4	8 ± 0.3	5 ± 2.0
1000.0	1 ± 0.7 ^s	8 ± 1.0	0 ± 0.0 ^s	0 ± 0.0 ^s	0 ± 0.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			277 ± 9.0	178 ± 5.8	588 ± 22.8
Positive Control ⁵	745 ± 79.3	667 ± 30.4			

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Date Report Requested: 09/18/2018
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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	8 ± 2.1
10.0	6 ± 0.9
33.0	9 ± 2.5
100.0	5 ± 0.3
333.0	7 ± 1.0
1000.0	0 ± 0.0 ^s
Trial Summary	Negative
Positive Control ⁴	537 ± 19.5
Positive Control ⁵	

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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 ¹	15 ± 1.5	28 ± 1.5	25 ± 1.9	38 ± 3.8	25 ± 2.9
10.0	19 ± 0.6	20 ± 2.7	21 ± 3.0	24 ± 2.1	31 ± 6.0
33.0	12 ± 2.4	18 ± 4.2	23 ± 3.5	30 ± 5.5	25 ± 0.9
100.0	11 ± 2.7	14 ± 1.0	30 ± 1.5	30 ± 2.6	18 ± 5.4
333.0	14 ± 3.5	11 ± 2.5	25 ± 2.3	15 ± 7.9	25 ± 2.3
1000.0	0 ± 0.0 ^s	Toxic	0 ± 0.0 ^s	1 ± 1.0	0 ± 0.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³			642 ± 35.6	560 ± 28.4	1323 ± 96.2
Positive Control ⁶	942 ± 48.3	852 ± 8.2			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	40 ± 4.3
10.0	35 ± 1.0
33.0	35 ± 3.6
100.0	38 ± 1.0
333.0	28 ± 4.4
1000.0	0 ± 0.0 ^s
Trial Summary	Negative
Positive Control ³	1738 ± 38.5
Positive Control ⁶	

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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: 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

s: Slight Toxicity

**** END OF REPORT ****