

Experiment Number: A01777

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Phenolphthalein glucuronide

CAS Number: 6820-54-8

Date Report Requested: 09/15/2018

Time Report Requested: 11:15:47

NTP Study Number:

A01777

Study Result:

Negative

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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	138 ± 5.5	116 ± 4.2	121 ± 7.5	140 ± 8.2	119 ± 6.1
100.0	139 ± 10.3	122 ± 3.6	124 ± 4.2	136 ± 6.2	117 ± 1.2
333.0	141 ± 8.3	120 ± 5.5	108 ± 3.8	141 ± 2.0	125 ± 2.0
1000.0	130 ± 2.4	122 ± 3.3	123 ± 2.3	135 ± 3.4	125 ± 3.4
3333.0	130 ± 16.0	108 ± 4.4	121 ± 4.1	134 ± 6.8	119 ± 11.1
10000.0	145 ± 7.7	113 ± 3.2	119 ± 4.8	116 ± 3.2	110 ± 5.5
Trial Summary	Positive	Negative	Negative	Negative	Negative
Positive Control ²					494 ± 13.4
Positive Control ³			470 ± 13.6		
Positive Control ⁴	890 ± 8.2	908 ± 23.4			
Positive Control ⁵				475 ± 11.6	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	138 ± 6.7
100.0	135 ± 6.2
333.0	134 ± 2.7
1000.0	137 ± 4.6
3333.0	139 ± 4.6
10000.0	122 ± 6.2
Trial Summary	Negative
Positive Control ²	
Positive Control ³	519 ± 9.5
Positive Control ⁴	
Positive Control ⁵	

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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	13 ± 1.5	13 ± 1.2	13 ± 1.8	14 ± 2.5	15 ± 0.6
100.0	13 ± 0.7	11 ± 0.7	12 ± 1.7	11 ± 1.5	11 ± 0.7
333.0	11 ± 1.2	10 ± 0.7	11 ± 1.5	11 ± 0.9	11 ± 1.3
1000.0	9 ± 1.2	11 ± 0.7	14 ± 2.0	14 ± 2.6	12 ± 1.8
3333.0	10 ± 0.0	9 ± 1.8	9 ± 1.8	11 ± 1.2	12 ± 1.7
10000.0	11 ± 1.5	10 ± 0.3	10 ± 1.5	10 ± 0.3	10 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					127 ± 7.5
Positive Control ⁴	891 ± 26.0	903 ± 21.3			
Positive Control ⁵			130 ± 10.2		
Positive Control ⁶				105 ± 5.4	

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	13 ± 1.5
100.0	13 ± 2.6
333.0	11 ± 1.0
1000.0	12 ± 1.7
3333.0	11 ± 1.9
10000.0	10 ± 0.3
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	122 ± 11.8
Positive Control ⁶	

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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	133 ± 6.1	167 ± 4.9	183 ± 7.7	178 ± 6.1	179 ± 5.4
100.0	141 ± 4.8	166 ± 5.2	183 ± 8.5	173 ± 8.7	183 ± 8.0
333.0	146 ± 5.2	165 ± 3.2	167 ± 9.4	187 ± 6.7	167 ± 14.6
1000.0	143 ± 11.5	170 ± 6.3	185 ± 10.7	173 ± 11.4	174 ± 9.1
3333.0	164 ± 11.7	159 ± 12.3	188 ± 8.8	158 ± 6.4	170 ± 12.7
10000.0	119 ± 5.5	152 ± 15.8	165 ± 11.9	181 ± 12.8	185 ± 9.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					476 ± 14.3
Positive Control ³			466 ± 22.3		
Positive Control ⁵				471 ± 18.0	
Positive Control ⁷	462 ± 20.8	471 ± 4.2			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	174 ± 8.7
100.0	188 ± 6.4
333.0	165 ± 6.7
1000.0	166 ± 9.5
3333.0	160 ± 12.3
10000.0	172 ± 3.1
Trial Summary	Negative
Positive Control ²	
Positive Control ³	516 ± 8.6
Positive Control ⁵	
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 10% Hamster S9
Vehicle Control ¹	16 ± 2.3	26 ± 2.3	22 ± 1.7	24 ± 3.1	22 ± 3.7
100.0	16 ± 1.5	22 ± 3.3	25 ± 2.3	23 ± 4.2	20 ± 0.7
333.0	19 ± 3.5	24 ± 3.8	28 ± 1.7	23 ± 4.0	27 ± 0.7
1000.0	12 ± 0.9	25 ± 2.5	18 ± 4.7	20 ± 0.9	23 ± 1.0
3333.0	20 ± 3.3	22 ± 2.4	21 ± 3.4	23 ± 2.5	23 ± 3.3
10000.0	17 ± 2.3	20 ± 0.7	19 ± 1.9	25 ± 2.8	16 ± 0.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					449 ± 14.5
Positive Control ³			429 ± 8.4		
Positive Control ⁸	303 ± 12.5	380 ± 9.9			
Positive Control ⁵				349 ± 16.5	

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	25 ± 2.8
100.0	19 ± 0.0
333.0	19 ± 3.0
1000.0	21 ± 2.3
3333.0	14 ± 2.1
10000.0	15 ± 2.6
Trial Summary	Negative
Positive Control ²	
Positive Control ³	426 ± 15.5
Positive Control ⁸	
Positive Control 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: Water

2: 1.0 ug/Plate 2-Aminoanthracene

3: 2.0 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate Sodium Azide

5: 5.0 ug/Plate 2-Aminoanthracene

6: 10.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****