

Experiment Number: 126606

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,4,6-Tribromophenol

CAS Number: 118-79-6

Date Report Requested: 09/12/2018

Time Report Requested: 02:36:30

NTP Study Number:

126606

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	118 ± 5.2	112 ± 7.1	117 ± 5.8	129 ± 3.2	132 ± 4.4
3.0	114 ± 1.7	105 ± 16.2		101 ± 1.7	122 ± 6.3
10.0	113 ± 5.5	121 ± 9.7	127 ± 12.7	95 ± 2.7	129 ± 8.8
33.0	107 ± 10.4	105 ± 9.0	137 ± 10.6	105 ± 4.7	113 ± 9.0
100.0	101 ± 13.3	89 ± 7.2	134 ± 12.7	100 ± 9.0	110 ± 9.8
333.0	15 ± 4.6 ^s	14 ± 8.0 ^s	93 ± 2.2	50 ± 6.7 ^s	38 ± 19.1 ^s
666.0			0 ± 0.0 ^s		
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			683 ± 22.3	623 ± 22.2	1818 ± 40.4
Positive Control ³	403 ± 7.5	395 ± 12.2			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	107 ± 9.3
3.0	104 ± 5.4
10.0	109 ± 7.5
33.0	108 ± 4.1
100.0	115 ± 9.5
333.0	43 ± 21.5
666.0	
Trial Summary	Negative
Positive Control ²	1863 ± 34.6
Positive Control ³	

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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	30 ± 1.2	27 ± 1.2	8 ± 2.0	6 ± 0.9	14 ± 2.6
3.0	26 ± 3.5	27 ± 1.8		6 ± 1.3	8 ± 2.1
10.0	30 ± 6.9	28 ± 2.7	6 ± 1.9	7 ± 1.2	5 ± 0.9
33.0	21 ± 2.3	30 ± 6.4	8 ± 2.4	8 ± 2.3	7 ± 2.6
100.0	20 ± 0.9	25 ± 2.6	6 ± 1.5	6 ± 1.0	8 ± 2.2
333.0	5 ± 2.1	6 ± 0.9	6 ± 1.0	3 ± 1.8 ^s	6 ± 0.9
666.0			0 ± 0.0 ^s		
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³	311 ± 5.1	441 ± 5.2			
Positive Control ⁴			218 ± 4.3	141 ± 6.1	652 ± 46.2

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	9 ± 2.6
3.0	11 ± 2.6
10.0	17 ± 2.6
33.0	9 ± 0.3
100.0	7 ± 2.6
333.0	4 ± 1.5 ^s
666.0	
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	446 ± 35.9

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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	5 ± 3.3	4 ± 1.5	10 ± 1.0	7 ± 1.3	8 ± 3.2
3.0	6 ± 1.5	3 ± 0.3		10 ± 1.8	10 ± 1.5
10.0	5 ± 1.0	6 ± 1.5	8 ± 0.0	8 ± 0.9	9 ± 2.2
33.0	6 ± 0.7	4 ± 0.9	7 ± 0.6	10 ± 2.2	7 ± 0.9
100.0	2 ± 0.9	2 ± 1.0	4 ± 1.0	7 ± 1.0	5 ± 1.5
333.0	Toxic	0 ± 0.3 ^s	2 ± 0.6	0 ± 0.3 ^s	3 ± 0.6
666.0			0 ± 0.0 ^s		
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			197 ± 0.9	110 ± 3.6	341 ± 12.3
Positive Control ⁵	93 ± 8.2	82 ± 8.1			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	6 ± 1.8
3.0	5 ± 1.2
10.0	9 ± 1.5
33.0	5 ± 0.0
100.0	5 ± 0.9
333.0	0 ± 0.3 ^s
666.0	
Trial Summary	Negative
Positive Control ⁴	413 ± 22.7
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	16 ± 3.7	18 ± 1.5	25 ± 1.0	28 ± 2.6	34 ± 2.3
3.0	15 ± 1.7	12 ± 1.8		24 ± 3.0	26 ± 1.5
10.0	14 ± 1.2	13 ± 2.6	36 ± 2.3	25 ± 1.0	26 ± 2.5
33.0	11 ± 2.7	9 ± 1.8	32 ± 4.2	27 ± 0.3	24 ± 2.1
100.0	13 ± 2.4	11 ± 2.5	32 ± 3.2	28 ± 1.5	28 ± 0.3
333.0	5 ± 1.5	3 ± 1.3 ^s	14 ± 3.1	15 ± 0.3 ^s	20 ± 0.7
666.0			0 ± 0.0 ^s		
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			671 ± 17.3	562 ± 7.8	1538 ± 127.0
Positive Control ⁶	673 ± 44.1	779 ± 76.6			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	23 ± 4.1
3.0	27 ± 0.7
10.0	22 ± 2.7
33.0	25 ± 2.3
100.0	24 ± 4.1
333.0	12 ± 3.8 ^s
666.0	
Trial Summary	Negative
Positive Control ²	1568 ± 34.3
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: Dimethyl Sulfoxide
- 2: 1.0 ug/Plate 2-Aminoanthracene
- 3: 1.0 ug/Plate Sodium Azide
- 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 ****