

Experiment Number: 866066

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Tetrabromophthalic anhydride

CAS Number: 632-79-1

Date Report Requested: 09/16/2018

Time Report Requested: 15:55:49

NTP Study Number:

866066

Study Result:

Negative

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Test Compound: Tetrabromophthalic anhydride
CAS Number: 632-79-1

Date Report Requested: 09/16/2018

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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	99 ± 5.7	135 ± 5.4	125 ± 13.6	112 ± 9.4	123 ± 6.8
3.0		149 ± 10.0			
10.0	113 ± 5.5	121 ± 8.8			
33.0	121 ± 9.0	129 ± 8.7			
100.0	109 ± 9.5	115 ± 16.3	126 ± 2.0	121 ± 7.8	124 ± 6.7
333.0	107 ± 2.3	98 ± 7.8	106 ± 9.0	116 ± 3.7	117 ± 2.6
1000.0	0 ± 0.0 ^s		109 ± 4.1	118 ± 10.5	109 ± 9.0
3333.0			115 ± 3.4	112 ± 7.1	131 ± 8.5
6666.0					
10000.0			108 ± 3.5	100 ± 7.4	36 ± 36.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	433 ± 17.5	528 ± 6.9			
Positive Control ³			533 ± 44.5	539 ± 14.2	1617 ± 71.3

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	121 ± 6.2
3.0	
10.0	
33.0	
100.0	119 ± 10.8
333.0	119 ± 3.3
1000.0	103 ± 0.9
3333.0	104 ± 0.9
6666.0	113 ± 6.4
10000.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ³	1643 ± 74.3

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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	23 ± 2.8	41 ± 1.0	7 ± 0.3	10 ± 2.5	10 ± 3.3
3.0		44 ± 6.6			
10.0	34 ± 7.8	44 ± 4.4			
33.0	33 ± 4.3	45 ± 4.5			
100.0	36 ± 4.4	48 ± 2.9	13 ± 2.1	7 ± 1.5	9 ± 0.0
333.0	20 ± 5.6	31 ± 1.5	9 ± 3.6	10 ± 3.5	8 ± 2.0
1000.0	0 ± 0.0 ^s		9 ± 1.5	10 ± 3.5	11 ± 2.2
3333.0			10 ± 2.2	12 ± 3.8	7 ± 1.9
6666.0					
10000.0			6 ± 1.3	6 ± 0.3	10 ± 3.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	488 ± 6.0	618 ± 14.4			
Positive Control ⁴			208 ± 5.8	202 ± 9.6	458 ± 12.6

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	25 ± 7.4
3.0	
10.0	
33.0	
100.0	9 ± 3.1
333.0	13 ± 2.6
1000.0	14 ± 2.6
3333.0	9 ± 2.6
6666.0	13 ± 2.3
10000.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	520 ± 15.3

Experiment Number: 866066

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Test Compound: Tetrabromophthalic anhydride
CAS Number: 632-79-1

Date Report Requested: 09/16/2018

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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	6 ± 1.2	7 ± 0.9	4 ± 0.9	7 ± 1.0	5 ± 1.0
3.0		6 ± 0.9			
10.0	4 ± 1.3	7 ± 2.4			
33.0	5 ± 1.2	8 ± 0.3			
100.0	4 ± 1.8	5 ± 1.8	6 ± 1.2	8 ± 2.6	8 ± 1.2
333.0	4 ± 1.3	6 ± 0.9	8 ± 0.0	8 ± 2.3	7 ± 0.3
1000.0	0 ± 0.0 ^s		8 ± 2.3	8 ± 1.9	5 ± 2.1
3333.0			7 ± 1.2	9 ± 1.5	7 ± 0.0
6666.0					
10000.0			5 ± 0.9	6 ± 0.3	3 ± 2.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			168 ± 4.7	149 ± 10.6	328 ± 6.2
Positive Control ⁵	161 ± 6.7	562 ± 121.1			

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Date Report Requested: 09/16/2018

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	8 ± 2.8
3.0	
10.0	
33.0	
100.0	8 ± 0.3
333.0	9 ± 3.2
1000.0	9 ± 1.7
3333.0	8 ± 2.1
6666.0	5 ± 0.7
10000.0	
Trial Summary	Negative
Positive Control ⁴	413 ± 15.8
Positive Control ⁵	

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Test Compound: Tetrabromophthalic anhydride
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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 ± 1.8	20 ± 3.5	32 ± 0.6	33 ± 1.5	31 ± 3.6
3.0		16 ± 2.3			
10.0	16 ± 1.9	17 ± 2.6			
33.0	14 ± 2.9	14 ± 0.9			
100.0	15 ± 1.7	16 ± 1.5	31 ± 5.0	26 ± 1.9	37 ± 9.1
333.0	13 ± 2.5	12 ± 1.7	25 ± 2.8	34 ± 4.1	25 ± 2.0
1000.0	0 ± 0.0 ^s		25 ± 6.3	27 ± 5.5	26 ± 1.2
3333.0			22 ± 3.8	25 ± 2.0	30 ± 1.8
6666.0					
10000.0			21 ± 2.5	16 ± 1.5	6 ± 3.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³			535 ± 16.8	484 ± 24.0	1438 ± 97.8
Positive Control ⁶	908 ± 46.9	713 ± 41.9			

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Test Type: Genetic Toxicology - Bacterial
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G06: Ames Summary Data

Test Compound: Tetrabromophthalic anhydride
CAS Number: 632-79-1

Date Report Requested: 09/16/2018

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	32 ± 2.6
3.0	
10.0	
33.0	
100.0	25 ± 2.1
333.0	36 ± 4.3
1000.0	31 ± 0.6
3333.0	33 ± 3.0
6666.0	28 ± 1.7
10000.0	
Trial Summary	Negative
Positive Control ³	1609 ± 60.2
Positive Control ⁶	

Experiment Number: 866066

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

G06: Ames Summary Data

Test Compound: **Tetrabromophthalic anhydride**

CAS Number: **632-79-1**

Date Report Requested: **09/16/2018**

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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 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 ****