

Experiment Number: 968573

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

G06: Ames Summary Data

Test Compound: **Tetrabromobisphenol A**

CAS Number: **79-94-7**

Date Report Requested: **09/17/2018**

Time Report Requested: **22:37:42**

NTP Study Number:

968573

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	105 ± 4.7	93 ± 3.7	112 ± 2.0	94 ± 9.0	104 ± 2.9
100.0	99 ± 13.2	99 ± 13.2	125 ± 7.2	115 ± 9.1	95 ± 5.1
333.0	110 ± 6.2 ^p	74 ± 1.5 ^p	114 ± 6.4	93 ± 9.7	91 ± 20.2
1000.0	90 ± 8.6 ^p	78 ± 2.7 ^p	97 ± 3.9 ^p	84 ± 2.6 ^p	86 ± 7.8 ^p
3333.0	88 ± 3.2 ^p	79 ± 5.1 ^p	92 ± 3.5 ^p	96 ± 6.1 ^p	79 ± 10.5 ^p
10000.0	100 ± 2.0 ^p	76 ± 2.6 ^p	78 ± 7.9 ^p	90 ± 4.8 ^p	98 ± 8.7 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	372 ± 9.7	345 ± 17.7			
Positive Control ³			645 ± 9.0	441 ± 9.1	1521 ± 82.5

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	87 ± 3.1
100.0	107 ± 3.7
333.0	85 ± 5.5
1000.0	69 ± 3.5 ^P
3333.0	79 ± 3.8 ^P
10000.0	77 ± 9.1 ^P
Trial Summary	Negative
Positive Control ²	
Positive Control ³	1133 ± 39.7

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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	27 ± 3.2	28 ± 3.7	10 ± 1.2	10 ± 1.2	10 ± 1.7
100.0	23 ± 1.5	26 ± 1.0	8 ± 2.1	8 ± 2.1	12 ± 0.7
333.0	22 ± 1.0 ^p	24 ± 2.8 ^p	7 ± 1.2	7 ± 0.9	9 ± 1.5
1000.0	14 ± 2.0 ^p	20 ± 0.6 ^p	5 ± 1.5 ^p	4 ± 0.0 ^p	8 ± 1.2 ^p
3333.0	18 ± 1.2 ^p	25 ± 3.3 ^p	7 ± 1.5 ^p	6 ± 0.9 ^p	8 ± 2.6 ^p
10000.0	17 ± 2.6 ^p	24 ± 2.2 ^p	6 ± 0.3 ^p	9 ± 2.2 ^p	7 ± 0.9 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	274 ± 13.1	324 ± 21.2			
Positive Control ⁴			159 ± 20.4	187 ± 9.9	344 ± 8.6

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	6 ± 0.3
100.0	9 ± 1.5
333.0	8 ± 0.6
1000.0	8 ± 1.3 ^P
3333.0	7 ± 1.5 ^P
10000.0	6 ± 0.9 ^P
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	452 ± 9.8

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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 ± 1.2	7 ± 2.7	6 ± 0.6	3 ± 0.9	5 ± 0.6
100.0	4 ± 1.2	5 ± 0.3	8 ± 0.7	10 ± 3.3	6 ± 2.0
333.0	4 ± 0.9 ^p	4 ± 0.3 ^p	8 ± 0.6	8 ± 0.7	4 ± 1.0
1000.0	3 ± 0.3 ^p	4 ± 1.3 ^p	3 ± 0.3 ^p	7 ± 1.0 ^p	4 ± 0.9 ^p
3333.0	4 ± 0.6 ^p	4 ± 0.9 ^p	3 ± 0.3 ^p	4 ± 0.3 ^p	3 ± 0.3 ^p
10000.0	4 ± 0.9 ^p	3 ± 0.6 ^p	5 ± 1.3 ^p	6 ± 1.2 ^p	4 ± 0.3 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			108 ± 3.5	105 ± 6.2	342 ± 12.0
Positive Control ⁵	192 ± 6.0	154 ± 23.7			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	6 ± 1.7
100.0	10 ± 2.5
333.0	5 ± 1.5
1000.0	5 ± 1.7 ^P
3333.0	4 ± 1.2 ^P
10000.0	7 ± 0.6 ^P
Trial Summary	Negative
Positive Control ⁴	339 ± 18.3
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	19 ± 1.0	15 ± 1.9	25 ± 2.3	25 ± 3.8	17 ± 0.9
100.0	18 ± 0.9	14 ± 0.9	26 ± 7.0	38 ± 2.8	28 ± 2.5
333.0	16 ± 1.2 ^p	12 ± 2.5 ^p	24 ± 2.7	20 ± 4.6	24 ± 1.9
1000.0	12 ± 2.1 ^p	12 ± 1.0 ^p	17 ± 3.2 ^p	20 ± 2.5 ^p	13 ± 0.3 ^p
3333.0	15 ± 2.5 ^p	12 ± 1.7 ^p	15 ± 2.3 ^p	15 ± 2.8 ^p	11 ± 0.6 ^p
10000.0	16 ± 1.7 ^p	11 ± 0.3 ^p	16 ± 0.9 ^p	13 ± 1.0 ^p	14 ± 3.4 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³			541 ± 10.7	404 ± 29.7	1665 ± 37.1
Positive Control ⁶	844 ± 36.7	354 ± 30.5			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	30 ± 1.2
100.0	35 ± 3.2
333.0	18 ± 1.5
1000.0	20 ± 3.5 ^P
3333.0	15 ± 1.8 ^P
10000.0	23 ± 2.5 ^P
Trial Summary	Negative
Positive Control ³	1444 ± 62.5
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: 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

p: Precipitate

**** END OF REPORT ****