

Experiment Number: 954374

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

G06: Ames Summary Data

Test Compound: **Hexabromobenzene**

CAS Number: **87-82-1**

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

Time Report Requested: **17:20:17**

NTP Study Number:

954374

Study Result:

Negative

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Test Compound: Hexabromobenzene

CAS Number: 87-82-1

Date Report Requested: 09/17/2018

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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	138 ± 1.5	149 ± 7.1	134 ± 5.1	159 ± 7.1	131 ± 10.1
100.0	115 ± 2.4	152 ± 4.6	118 ± 6.4	152 ± 4.7	152 ± 4.7
333.0	144 ± 8.5	151 ± 8.0	142 ± 1.2	140 ± 6.4	148 ± 5.0
1000.0	124 ± 4.5	143 ± 13.9	126 ± 13.8	152 ± 14.0	141 ± 1.5
3333.0	142 ± 6.0	134 ± 8.0	132 ± 6.2	138 ± 2.3	136 ± 6.6
10000.0	138 ± 6.9 ^p	131 ± 8.0 ^p	119 ± 6.4 ^p	137 ± 0.6 ^p	139 ± 11.0 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					2355 ± 105.7
Positive Control ³			1070 ± 115.2	1065 ± 40.3	
Positive Control ⁴	1363 ± 17.1	1247 ± 23.0			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	165 ± 4.9
100.0	143 ± 17.2
333.0	140 ± 11.5
1000.0	157 ± 6.1
3333.0	157 ± 1.8
10000.0	160 ± 5.4 ^P
Trial Summary	Negative
Positive Control ²	1464 ± 26.8
Positive Control ³	
Positive Control ⁴	

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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	21 ± 1.9	20 ± 2.0	10 ± 2.2	11 ± 1.5	9 ± 0.3
100.0	29 ± 7.1	22 ± 1.7	13 ± 2.3	12 ± 3.2	11 ± 1.2
333.0	22 ± 2.0	15 ± 3.8	10 ± 2.0	10 ± 1.7	11 ± 1.5
1000.0	23 ± 2.6	21 ± 5.0	14 ± 0.9	14 ± 1.3	10 ± 0.3
3333.0	25 ± 5.4	27 ± 1.5	11 ± 0.6	11 ± 1.3	10 ± 1.2
10000.0	24 ± 6.7 ^p	20 ± 3.4 ^p	9 ± 1.5 ^p	11 ± 1.2 ^p	12 ± 0.3 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					126 ± 5.6
Positive Control ³			71 ± 1.2	62 ± 5.5	
Positive Control ⁴	959 ± 7.0	1006 ± 27.2			

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Date Report Requested: 09/17/2018

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	14 ± 1.2
100.0	10 ± 0.9
333.0	9 ± 3.2
1000.0	13 ± 1.3
3333.0	11 ± 2.5
10000.0	8 ± 1.5 ^p
Trial Summary	Negative
Positive Control ²	88 ± 5.5
Positive Control ³	
Positive Control ⁴	

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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 ± 0.9	4 ± 1.5	7 ± 1.0	8 ± 1.2	7 ± 1.5
100.0	7 ± 2.7	5 ± 2.4	9 ± 0.0	5 ± 1.7	9 ± 1.2
333.0	5 ± 1.5	6 ± 0.3	7 ± 0.9	9 ± 1.5	8 ± 0.9
1000.0	6 ± 1.5	6 ± 0.9	5 ± 1.8	6 ± 1.2	8 ± 0.9
3333.0	8 ± 0.6	5 ± 0.9	10 ± 1.2	4 ± 0.9	11 ± 1.5
10000.0	5 ± 1.2 ^p	4 ± 1.7 ^p	8 ± 0.9 ^p	7 ± 2.3 ^p	10 ± 1.9 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					187 ± 32.5
Positive Control ³			59 ± 2.8	85 ± 4.4	
Positive Control ⁵	459 ± 48.8	677 ± 30.3			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	9 ± 1.3
100.0	7 ± 1.8
333.0	7 ± 1.7
1000.0	7 ± 0.9
3333.0	4 ± 1.9
10000.0	6 ± 0.3 ^p
Trial Summary	Negative
Positive Control ²	173 ± 12.6
Positive Control 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	18 ± 2.4	21 ± 3.1	21 ± 2.1	26 ± 1.2	33 ± 4.0
100.0	23 ± 0.7	15 ± 1.5	23 ± 6.2	24 ± 3.7	22 ± 0.9
333.0	15 ± 3.0	16 ± 2.7	22 ± 3.1	24 ± 3.5	26 ± 4.2
1000.0	17 ± 2.4	16 ± 0.7	21 ± 3.8	25 ± 1.0	25 ± 5.7
3333.0	17 ± 2.0	18 ± 3.2	24 ± 1.5	27 ± 2.2	24 ± 2.6
10000.0	17 ± 2.3 ^p	15 ± 1.0 ^p	24 ± 3.2 ^p	21 ± 1.3 ^p	33 ± 3.5 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1733 ± 107.2
Positive Control ³			681 ± 46.0	1120 ± 39.6	
Positive Control ⁶	1737 ± 63.1	1860 ± 58.5			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	25 ± 1.2
100.0	29 ± 1.2
333.0	33 ± 4.7
1000.0	23 ± 3.0
3333.0	23 ± 1.2
10000.0	26 ± 1.3 ^p
Trial Summary	Negative
Positive Control ²	1503 ± 56.5
Positive Control 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: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 80.0 ug/Plate 9-Aminoacridine

6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

**** END OF REPORT ****