

Experiment Number: 082372

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Hexabromobiphenyl

CAS Number: 36355-01-8

Date Report Requested: 09/11/2018

Time Report Requested: 01:21:27

NTP Study Number:

082372

Study Result:

Negative

Experiment Number: 082372

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Hexabromobiphenyl

CAS Number: 36355-01-8

Date Report Requested: 09/11/2018

Time Report Requested: 01:21:27

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	78 ± 9.2	115 ± 13.2	97 ± 11.9	123 ± 13.5	127 ± 3.5
1.0	81 ± 3.1			95 ± 3.7	
3.3	74 ± 4.2			89 ± 4.7	
10.0	82 ± 2.3	140 ± 21.7		108 ± 6.0	111 ± 6.6
33.0	106 ± 3.2	125 ± 15.6		120 ± 8.8	118 ± 3.3
91.0	99 ± 2.9			102 ± 5.2	
100.0		125 ± 21.5			108 ± 3.0
333.0		125 ± 9.8			126 ± 5.8
910.0		133 ± 18.0 ^P			125 ± 8.6 ^P
1000.0			23 ± 2.2		
2730.0			Toxic		
3333.0					
4550.0					
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²				1848 ± 17.1	2197 ± 32.5
Positive Control ³	352 ± 71.3	777 ± 10.0	571 ± 23.7		

Experiment Number: 082372

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Hexabromobiphenyl

CAS Number: 36355-01-8

Date Report Requested: 09/11/2018

Time Report Requested: 01:21:27

Strain: TA100

Dose (ug/Plate)	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	117 ± 9.9	203 ± 114.5	115 ± 6.9	101 ± 10.1
1.0		101 ± 6.1		
3.3		94 ± 5.3		
10.0		115 ± 8.5	125 ± 1.8	
33.0		99 ± 9.5	129 ± 10.4	
91.0		58 ± 4.2		
100.0			119 ± 12.2	
333.0			119 ± 11.8	
910.0			122 ± 9.0 ^p	
1000.0	19 ± 0.7			32 ± 1.9
2730.0				
3333.0	33 ± 8.0			5 ± 1.5
4550.0	26 ± 2.2			1 ± 0.6
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	1066 ± 117.5	1446 ± 19.6	2144 ± 105.9	2471 ± 101.8
Positive Control ³				

Experiment Number: 082372

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Hexabromobiphenyl

CAS Number: 36355-01-8

Date Report Requested: 09/11/2018

Time Report Requested: 01:21:27

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	5 ± 1.5	7 ± 1.2	5 ± 0.9	7 ± 1.5	10 ± 1.5
1.0	4 ± 0.6			5 ± 0.5	
3.3	3 ± 0.3			5 ± 0.6	
10.0	3 ± 0.6	5 ± 0.7		3 ± 0.7	7 ± 0.9
33.0	3 ± 1.0	4 ± 2.1		4 ± 0.6	10 ± 1.5
91.0	3 ± 0.6			2 ± 0.3	
100.0		6 ± 1.2			6 ± 1.7
333.0		9 ± 1.5 ^p			9 ± 1.2
910.0		7 ± 0.6 ^p			9 ± 1.5 ^p
1000.0			2 ± 0.6		
2730.0			1 ± 0.6		
3333.0					
4550.0					
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²				79 ± 3.1	115 ± 17.1
Positive Control ³	421 ± 16.2	986 ± 22.7	311 ± 17.6		

Experiment Number: 082372

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Hexabromobiphenyl

CAS Number: 36355-01-8

Date Report Requested: 09/11/2018

Time Report Requested: 01:21:27

Strain: TA1535

Dose (ug/Plate)	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	3 ± 0.5	6 ± 1.2	10 ± 2.1	3 ± 1.2
1.0		5 ± 0.6		
3.3		3 ± 0.9		
10.0		3 ± 0.3	11 ± 2.2	
33.0		4 ± 0.3	7 ± 1.2	
91.0		2 ± 0.3		
100.0			9 ± 3.1	
333.0			8 ± 0.7	
910.0			8 ± 2.1 ^p	
1000.0	3 ± 0.3			3 ± 0.6
2730.0				
3333.0	0 ± 0.0			5 ± 1.7
4550.0	0 ± 0.0			1 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	59 ± 7.1	68 ± 8.8	124 ± 23.7	94 ± 20.0
Positive Control ³				

Experiment Number: 082372

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Hexabromobiphenyl

CAS Number: 36355-01-8

Date Report Requested: 09/11/2018

Time Report Requested: 01:21:27

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	3 ± 0.5	10 ± 3.4	3 ± 1.2	3 ± 1.5	6 ± 1.5
1.0	2 ± 0.7			3 ± 0.6	
3.3	1 ± 0.3			3 ± 0.6	
10.0	1 ± 0.0	6 ± 3.5		4 ± 2.1	14 ± 1.0
33.0	2 ± 0.7	10 ± 4.2		3 ± 0.7	12 ± 3.2
91.0	2 ± 0.3			2 ± 0.3	
100.0		11 ± 3.9			8 ± 1.9
333.0		6 ± 0.3			10 ± 1.0
910.0		6 ± 0.3 ^p			6 ± 2.4 ^p
1000.0			2 ± 0.9		
2730.0			Toxic		
3333.0					
4550.0					
Trial Summary	Negative	Negative	Negative	Negative	Equivocal
Positive Control ²				134 ± 16.9	88 ± 16.4
Positive Control ⁴	1416 ± 110.4				
Positive Control ⁵		982 ± 21.7	132 ± 11.5		

Experiment Number: 082372

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Hexabromobiphenyl

CAS Number: 36355-01-8

Date Report Requested: 09/11/2018

Time Report Requested: 01:21:27

Strain: TA1537

Dose (ug/Plate)	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	3 ± 0.9	5 ± 1.5	9 ± 2.3	5 ± 2.3
1.0		3 ± 0.7		
3.3		4 ± 1.0		
10.0		4 ± 0.3	8 ± 1.3	
33.0		6 ± 0.6	7 ± 2.2	
91.0		5 ± 1.0		
100.0			8 ± 0.7	
333.0			9 ± 0.9	
910.0			8 ± 1.5 ^p	
1000.0	2 ± 0.0			3 ± 0.0
2730.0				
3333.0	3 ± 0.3			1 ± 0.3
4550.0	0 ± 0.0			0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	39 ± 1.5	131 ± 3.9	176 ± 4.9	89 ± 5.8
Positive Control ⁴				
Positive Control ⁵				

Experiment Number: 082372

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Hexabromobiphenyl

CAS Number: 36355-01-8

Date Report Requested: 09/11/2018

Time Report Requested: 01:21:27

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	12 ± 2.0	22 ± 4.2	17 ± 1.5	16 ± 4.0	26 ± 4.7
1.0	8 ± 0.7			18 ± 1.8	
3.3	11 ± 1.2			9 ± 1.7	
10.0	9 ± 1.2	17 ± 0.9		16 ± 1.7	29 ± 1.7
33.0	10 ± 1.2	24 ± 3.9		12 ± 0.9	28 ± 4.5
91.0	9 ± 1.8			15 ± 2.0	
100.0		25 ± 3.9			33 ± 4.6
333.0		26 ± 4.6			27 ± 2.6
910.0		18 ± 2.0 ^p			29 ± 4.0 ^p
1000.0			10 ± 0.6		
2730.0			3 ± 0.5		
3333.0					
4550.0					
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²				1802 ± 19.3	1599 ± 27.7
Positive Control ⁶	212 ± 15.2	243 ± 8.5	223 ± 9.8		

Experiment Number: 082372

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Hexabromobiphenyl

CAS Number: 36355-01-8

Date Report Requested: 09/11/2018

Time Report Requested: 01:21:27

Strain: TA98

Dose (ug/Plate)	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	18 ± 0.3	15 ± 2.8	24 ± 5.9	15 ± 2.7
1.0		18 ± 1.2		
3.3		11 ± 0.9		
10.0		17 ± 1.8	33 ± 3.5	
33.0		14 ± 1.0	30 ± 4.2	
91.0		12 ± 1.2		
100.0			24 ± 2.3	
333.0			30 ± 3.5	
910.0			21 ± 1.5 ^P	
1000.0	6 ± 0.9			8 ± 0.7
2730.0				
3333.0	3 ± 1.7			3 ± 0.0
4550.0	1 ± 0.6			1 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	676 ± 53.2	950 ± 16.0	1602 ± 78.8	1739 ± 72.4
Positive Control ⁶				

Experiment Number: 082372

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Hexabromobiphenyl

CAS Number: 36355-01-8

Date Report Requested: 09/11/2018

Time Report Requested: 01:21:27

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: 3.3 ug/Plate Sodium Azide

4: 33.0 ug/Plate Sodium Azide

5: 33.0 ug/Plate 9-Aminoacridine

6: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

**** END OF REPORT ****