

Experiment Number: 682372

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Hexabromobiphenyl

CAS Number: 36355-01-8

Date Report Requested: 09/12/2018

Time Report Requested: 07:05:36

NTP Study Number:

682372

Study Result:

Negative

Experiment Number: 682372

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Hexabromobiphenyl

CAS Number: 36355-01-8

Date Report Requested: 09/12/2018

Time Report Requested: 07:05:36

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	81 ± 11.2	97 ± 2.1	93 ± 4.2	92 ± 6.0	122 ± 8.7
33.3		116 ± 2.1		96 ± 4.8	
100.0	83 ± 10.0	93 ± 2.2	94 ± 15.0	95 ± 4.0	97 ± 3.1
333.3	81 ± 4.0	109 ± 2.3	105 ± 4.5	105 ± 12.9	100 ± 11.0
1000.0	83 ± 3.8 ^p	98 ± 3.6 ^p	90 ± 6.2 ^p	106 ± 10.6 ^p	101 ± 1.7 ^p
3333.3	76 ± 7.5 ^p	110 ± 6.8 ^p	82 ± 2.9 ^p	96 ± 4.1 ^p	79 ± 1.5 ^p
10000.0	87 ± 1.2 ^p		86 ± 5.0 ^p		92 ± 4.7 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			553 ± 5.5	803 ± 29.1	1161 ± 10.3
Positive Control ³	458 ± 10.7	500 ± 5.8			

Experiment Number: 682372
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: Hexabromobiphenyl
CAS Number: 36355-01-8

Date Report Requested: 09/12/2018
Time Report Requested: 07:05:36

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	50 ± 3.3
33.3	103 ± 5.3
100.0	89 ± 5.2
333.3	95 ± 1.0
1000.0	95 ± 8.4 ^P
3333.3	88 ± 4.7 ^P
10000.0	
Trial Summary	Equivocal
Positive Control ²	1195 ± 72.8
Positive Control ³	

Experiment Number: 682372

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Hexabromobiphenyl

CAS Number: 36355-01-8

Date Report Requested: 09/12/2018

Time Report Requested: 07:05:36

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	9 ± 2.3	16 ± 1.5	9 ± 1.7	5 ± 0.3	14 ± 0.6
33.3		25 ± 2.6		9 ± 2.2	
100.0	9 ± 1.7	19 ± 3.8	7 ± 1.5	7 ± 1.7	9 ± 0.6
333.3	12 ± 1.7	20 ± 2.7	8 ± 1.3	7 ± 1.3	8 ± 2.2
1000.0	10 ± 1.2 ^P	18 ± 0.9 ^P	6 ± 1.7 ^P	9 ± 1.8 ^P	6 ± 0.9 ^P
3333.3	11 ± 1.9 ^P	18 ± 3.7 ^P	6 ± 0.6 ^P	9 ± 2.0 ^P	6 ± 0.3 ^P
10000.0	9 ± 0.3 ^P		6 ± 0.3 ^P		8 ± 0.3 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³	375 ± 4.9	278 ± 13.0			
Positive Control ⁴			271 ± 15.5	103 ± 21.5	315 ± 3.8

Experiment Number: 682372

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Hexabromobiphenyl
CAS Number: 36355-01-8

Date Report Requested: 09/12/2018

Time Report Requested: 07:05:36

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	6 ± 1.2
33.3	8 ± 0.9
100.0	9 ± 1.8
333.3	9 ± 0.9
1000.0	7 ± 1.7 ^P
3333.3	6 ± 1.0 ^P
10000.0	
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	125 ± 9.0

Experiment Number: 682372

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Hexabromobiphenyl

CAS Number: 36355-01-8

Date Report Requested: 09/12/2018

Time Report Requested: 07:05:36

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	11 ± 2.2	7 ± 1.3	5 ± 0.6	3 ± 1.0	13 ± 3.8
33.3		9 ± 0.9		10 ± 1.8	
100.0	10 ± 2.5	11 ± 2.3	11 ± 1.5	10 ± 0.9	12 ± 3.7
333.3	9 ± 0.9	10 ± 0.3	11 ± 1.5	13 ± 3.1	15 ± 2.0
1000.0	8 ± 0.9 ^P	6 ± 1.5 ^P	9 ± 0.7 ^P	9 ± 2.9 ^P	11 ± 1.2 ^P
3333.3	7 ± 2.1 ^P	8 ± 0.6 ^P	6 ± 1.2 ^P	8 ± 2.5 ^P	9 ± 2.3 ^P
10000.0	6 ± 2.0 ^P		7 ± 0.6 ^P		6 ± 0.9 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			311 ± 10.5	132 ± 18.3	348 ± 4.0
Positive Control ⁵	63 ± 7.8	197 ± 18.6			

Experiment Number: 682372

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Hexabromobiphenyl
CAS Number: 36355-01-8

Date Report Requested: 09/12/2018

Time Report Requested: 07:05:36

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	3 ± 0.7
33.3	16 ± 2.0
100.0	13 ± 2.4
333.3	15 ± 2.1
1000.0	11 ± 1.7 ^P
3333.3	10 ± 0.9 ^P
10000.0	
Trial Summary	Equivocal
Positive Control ⁴	159 ± 21.9
Positive Control ⁵	

Experiment Number: 682372

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Hexabromobiphenyl

CAS Number: 36355-01-8

Date Report Requested: 09/12/2018

Time Report Requested: 07:05:36

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	11 ± 3.3	13 ± 1.0	17 ± 1.5	26 ± 2.6	18 ± 1.7
33.3		21 ± 1.5		27 ± 6.9	
100.0	13 ± 2.6	13 ± 3.3	22 ± 5.7	23 ± 2.8	28 ± 0.0
333.3	14 ± 0.6	22 ± 4.4	24 ± 3.8	24 ± 3.3	21 ± 2.3
1000.0	14 ± 1.8 ^P	28 ± 1.7 ^P	16 ± 0.9 ^P	26 ± 2.8 ^P	23 ± 3.8 ^P
3333.3	12 ± 1.2 ^P	22 ± 2.7 ^P	17 ± 2.1 ^P	19 ± 1.2 ^P	20 ± 2.8 ^P
10000.0	13 ± 1.5 ^P		12 ± 1.5 ^P		15 ± 2.1 ^P
Trial Summary	Negative	Equivocal	Negative	Negative	Negative
Positive Control ²			320 ± 18.8	1137 ± 75.4	864 ± 46.7
Positive Control ⁶	498 ± 19.7	537 ± 20.3			

Experiment Number: 682372

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Hexabromobiphenyl

CAS Number: 36355-01-8

Date Report Requested: 09/12/2018

Time Report Requested: 07:05:36

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	28 ± 0.7
33.3	34 ± 4.4
100.0	25 ± 2.7
333.3	33 ± 3.7
1000.0	33 ± 3.5 ^p
3333.3	23 ± 2.8 ^p
10000.0	
Trial Summary	Negative
Positive Control ²	623 ± 24.6
Positive Control ⁶	

Experiment Number: 682372

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

G06: Ames Summary Data

Test Compound: **Hexabromobiphenyl**

CAS Number: **36355-01-8**

Date Report Requested: **09/12/2018**

Time Report Requested: **07:05:36**

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

p: Precipitate

**** END OF REPORT ****