

Experiment Number: 339937

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

G06: Ames Summary Data

Test Compound: **Heptachlor**

CAS Number: **76-44-8**

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

Time Report Requested: **22:53:27**

NTP Study Number:

339937

Study Result:

Negative

Experiment Number: 339937

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Heptachlor

CAS Number: 76-44-8

Date Report Requested: 09/12/2018

Time Report Requested: 22:53:27

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	161 ± 4.7	160 ± 3.9	133 ± 9.4	167 ± 10.0	143 ± 9.4
0.1	147 ± 2.8				
0.3	143 ± 1.7	144 ± 10.3			
1.0	126 ± 8.2	139 ± 9.5			
3.3	139 ± 6.1	141 ± 7.2			
10.0	134 ± 5.0 ^s	155 ± 6.5 ^s			
33.0		139 ± 6.9 ^s			
100.0			133 ± 5.3	144 ± 8.5	138 ± 2.3
333.0			134 ± 3.8	159 ± 9.1	125 ± 3.2
1000.0			107 ± 3.2 ^P	143 ± 3.0 ^P	114 ± 4.4 ^P
3333.0			119 ± 1.3 ^P	149 ± 2.7 ^P	126 ± 1.2 ^P
10000.0			107 ± 6.9 ^P	137 ± 7.4 ^P	120 ± 5.2 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					937 ± 17.9
Positive Control ³			1059 ± 25.8	1075 ± 44.0	
Positive Control ⁴	1118 ± 4.4	1020 ± 51.0			

Experiment Number: 339937

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

G06: Ames Summary Data

Test Compound: **Heptachlor**

CAS Number: **76-44-8**

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

Time Report Requested: **22:53:27**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	146 ± 7.3
0.1	
0.3	
1.0	
3.3	
10.0	
33.0	
100.0	146 ± 1.2
333.0	131 ± 5.5
1000.0	126 ± 15.4 ^p
3333.0	117 ± 2.9 ^p
10000.0	103 ± 3.8 ^p
Trial Summary	Negative
Positive Control ²	992 ± 35.9
Positive Control ³	
Positive Control ⁴	

Experiment Number: 339937

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Heptachlor

CAS Number: 76-44-8

Date Report Requested: 09/12/2018

Time Report Requested: 22:53:27

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	33 ± 2.8	32 ± 3.3	33 ± 3.6	14 ± 1.7	43 ± 3.5
0.1	23 ± 3.2				
0.3	25 ± 2.0	34 ± 3.1			
1.0	25 ± 1.2	37 ± 2.3			
3.3	28 ± 4.8	32 ± 5.2			
10.0	28 ± 0.3	38 ± 3.5 ^S			
33.0		30 ± 0.3 ^S			
100.0			26 ± 2.4	16 ± 3.3	38 ± 5.7
333.0			26 ± 2.1	16 ± 1.2	32 ± 4.9
1000.0			20 ± 0.9 ^P	17 ± 2.7 ^P	34 ± 2.7 ^P
3333.0			15 ± 1.7 ^P	14 ± 1.9 ^P	28 ± 2.2 ^P
10000.0			20 ± 3.8 ^P	14 ± 2.0 ^P	30 ± 5.2 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					
Positive Control ³			64 ± 1.5	90 ± 4.0	101 ± 3.0
Positive Control ⁴	869 ± 14.1	832 ± 36.1			

Experiment Number: 339937

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Heptachlor

CAS Number: 76-44-8

Date Report Requested: 09/12/2018

Time Report Requested: 22:53:27

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	26 ± 2.9	11 ± 2.9	23 ± 1.5
0.1			
0.3			
1.0			
3.3			
10.0			
33.0			
100.0	29 ± 3.2	14 ± 0.9	32 ± 3.0
333.0	26 ± 1.0	13 ± 2.1	26 ± 1.9
1000.0	22 ± 1.9 ^P	13 ± 3.2 ^P	26 ± 2.1 ^P
3333.0	21 ± 2.2 ^P	13 ± 1.9 ^P	21 ± 2.0 ^P
10000.0	16 ± 1.8 ^P	13 ± 2.0 ^P	25 ± 3.6 ^P
Trial Summary	Negative	Negative	Negative
Positive Control ²	69 ± 5.0	110 ± 6.8	115 ± 7.8
Positive Control ³			
Positive Control ⁴			

Experiment Number: 339937

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Heptachlor

CAS Number: 76-44-8

Date Report Requested: 09/12/2018

Time Report Requested: 22:53:27

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	7 ± 1.2	8 ± 0.3	8 ± 0.7	10 ± 1.0	11 ± 2.3
0.1	10 ± 1.2				
0.3	5 ± 1.0	7 ± 0.6			
1.0	8 ± 1.2	7 ± 1.5			
3.3	6 ± 1.0	11 ± 1.5			
10.0	6 ± 1.5	6 ± 0.3			
33.0		6 ± 1.2			
100.0			6 ± 1.3	7 ± 1.5	10 ± 1.0
333.0			7 ± 1.9	7 ± 1.7	12 ± 0.9
1000.0			7 ± 2.1 ^P	6 ± 1.2 ^P	6 ± 0.9 ^P
3333.0			5 ± 2.2 ^P	6 ± 2.0 ^P	5 ± 1.7 ^P
10000.0			5 ± 0.0 ^P	3 ± 0.7 ^P	8 ± 1.2 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					72 ± 3.2
Positive Control ³			79 ± 7.4	87 ± 4.5	
Positive Control ⁵	287 ± 20.5	350 ± 14.5			

Experiment Number: 339937

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Heptachlor

CAS Number: 76-44-8

Date Report Requested: 09/12/2018

Time Report Requested: 22:53:27

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	7 ± 1.2
0.1	
0.3	
1.0	
3.3	
10.0	
33.0	
100.0	8 ± 1.5
333.0	8 ± 1.2
1000.0	6 ± 1.5 ^P
3333.0	4 ± 1.8 ^P
10000.0	3 ± 0.6 ^P
Trial Summary	Negative
Positive Control ²	78 ± 3.5
Positive Control ³	
Positive Control ⁵	

Experiment Number: 339937

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Heptachlor

CAS Number: 76-44-8

Date Report Requested: 09/12/2018

Time Report Requested: 22:53:27

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 ± 2.0	21 ± 5.1	32 ± 3.2	23 ± 3.0	30 ± 2.3
0.1	20 ± 2.9				
0.3	15 ± 1.5	22 ± 4.0			
1.0	16 ± 4.2	22 ± 1.9			
3.3	21 ± 3.2	17 ± 2.0			
10.0	17 ± 0.7	13 ± 1.2			
33.0		16 ± 2.0			
100.0			25 ± 1.5	21 ± 3.6	31 ± 4.3
333.0			27 ± 1.9	23 ± 3.7	32 ± 2.1
1000.0			28 ± 2.7 ^P	24 ± 0.3 ^P	35 ± 4.8 ^P
3333.0			23 ± 2.3 ^P	24 ± 3.3 ^P	25 ± 3.2 ^P
10000.0			22 ± 2.7 ^P	21 ± 2.7 ^P	26 ± 0.3 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					998 ± 43.2
Positive Control ³			941 ± 31.2	988 ± 15.6	
Positive Control ⁶	1323 ± 22.0	1294 ± 6.2			

Experiment Number: 339937

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Heptachlor

CAS Number: 76-44-8

Date Report Requested: 09/12/2018

Time Report Requested: 22:53:27

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	25 ± 0.3
0.1	
0.3	
1.0	
3.3	
10.0	
33.0	
100.0	29 ± 5.1
333.0	24 ± 3.1
1000.0	22 ± 2.3 ^P
3333.0	17 ± 0.9 ^P
10000.0	23 ± 2.2 ^P
Trial Summary	Negative
Positive Control ²	865 ± 29.9
Positive Control ³	
Positive Control ⁶	

Experiment Number: 339937

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

G06: Ames Summary Data

Test Compound: **Heptachlor**

CAS Number: **76-44-8**

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

Time Report Requested: **22:53:27**

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: 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

s: Slight Toxicity

**** END OF REPORT ****