

Experiment Number: 130792

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

G06: Ames Summary Data

Test Compound: 1,2,3,4-Tetrachlorobenzene

CAS Number: 634-66-2

Date Report Requested: 09/12/2018

Time Report Requested: 07:44:25

NTP Study Number:

130792

Study Result:

Negative

Experiment Number: 130792

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 1,2,3,4-Tetrachlorobenzene

CAS Number: 634-66-2

Date Report Requested: 09/12/2018

Time Report Requested: 07:44:25

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	116 ± 11.6	110 ± 10.2	108 ± 12.1	117 ± 6.7	111 ± 9.4
0.3	110 ± 15.6	96 ± 4.7	99 ± 10.1	114 ± 11.1	113 ± 17.3
1.0	117 ± 8.5	98 ± 5.7	104 ± 7.3	112 ± 11.3	106 ± 1.2
3.3	117 ± 7.8	102 ± 8.2	112 ± 12.9	107 ± 10.9	105 ± 7.2
10.0	130 ± 7.4	101 ± 9.2	118 ± 7.1	106 ± 6.4	125 ± 9.0
33.0	74 ± 8.5 ^s	Toxic	110 ± 5.2	94 ± 3.2	119 ± 12.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1088 ± 125.7
Positive Control ³			868 ± 38.9	1186 ± 43.6	
Positive Control ⁴	1992 ± 35.8	1473 ± 58.5			

Experiment Number: 130792

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 1,2,3,4-Tetrachlorobenzene

CAS Number: 634-66-2

Date Report Requested: 09/12/2018

Time Report Requested: 07:44:25

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	108 ± 5.5
0.3	96 ± 1.8
1.0	106 ± 8.2
3.3	110 ± 5.3
10.0	94 ± 6.0
33.0	117 ± 11.9
Trial Summary	Negative
Positive Control ²	1079 ± 49.1
Positive Control ³	
Positive Control ⁴	

Experiment Number: 130792

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 1,2,3,4-Tetrachlorobenzene

CAS Number: 634-66-2

Date Report Requested: 09/12/2018

Time Report Requested: 07:44:25

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	23 ± 3.4	17 ± 1.2	13 ± 1.8	16 ± 2.0	9 ± 2.3
0.3	24 ± 1.2	18 ± 1.8	11 ± 3.1	6 ± 0.9	10 ± 1.9
1.0	24 ± 3.1	16 ± 2.2	11 ± 1.2	12 ± 0.3	10 ± 0.3
3.3	25 ± 2.3	16 ± 2.0	13 ± 3.8	9 ± 0.7	10 ± 2.0
10.0	19 ± 1.7	15 ± 2.7	12 ± 2.3	12 ± 0.9	11 ± 0.3
33.0	20 ± 1.3 ^s	7 ± 0.3 ^s	8 ± 0.6	14 ± 0.6	11 ± 1.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					91 ± 13.3
Positive Control ³			75 ± 1.8	80 ± 5.3	
Positive Control ⁴	1397 ± 25.2	1162 ± 74.5			

Experiment Number: 130792

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 1,2,3,4-Tetrachlorobenzene

CAS Number: 634-66-2

Date Report Requested: 09/12/2018

Time Report Requested: 07:44:25

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	8 ± 1.9
0.3	6 ± 1.2
1.0	8 ± 1.2
3.3	9 ± 3.0
10.0	10 ± 0.7
33.0	7 ± 1.7
Trial Summary	Negative
Positive Control ²	122 ± 8.7
Positive Control ³	
Positive Control ⁴	

Experiment Number: 130792

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 1,2,3,4-Tetrachlorobenzene

CAS Number: 634-66-2

Date Report Requested: 09/12/2018

Time Report Requested: 07:44:25

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 ± 0.9	8 ± 1.7	9 ± 0.7	10 ± 0.0	7 ± 0.3
0.3	4 ± 1.2	6 ± 0.3	10 ± 1.5	11 ± 1.7	11 ± 2.1
1.0	7 ± 1.5	7 ± 1.5	9 ± 0.9	6 ± 1.2	5 ± 0.6
3.3	9 ± 1.5	8 ± 0.6	9 ± 1.5	10 ± 2.2	6 ± 1.0
10.0	4 ± 0.9	9 ± 1.5	6 ± 1.7	8 ± 0.3	5 ± 1.2
33.0	7 ± 0.5 ^s	6 ± 1.3 ^s	5 ± 0.3	7 ± 0.0	7 ± 0.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					89 ± 12.7
Positive Control ³			80 ± 6.2	106 ± 9.5	
Positive Control ⁵	318 ± 46.4	333 ± 62.8			

Experiment Number: 130792

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 1,2,3,4-Tetrachlorobenzene

CAS Number: 634-66-2

Date Report Requested: 09/12/2018

Time Report Requested: 07:44:25

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	7 ± 0.3
0.3	7 ± 1.0
1.0	11 ± 2.0
3.3	10 ± 2.7
10.0	6 ± 2.4
33.0	6 ± 0.6
Trial Summary	Negative
Positive Control ²	100 ± 2.0
Positive Control ³	
Positive Control ⁵	

Experiment Number: 130792

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 1,2,3,4-Tetrachlorobenzene

CAS Number: 634-66-2

Date Report Requested: 09/12/2018

Time Report Requested: 07:44:25

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	16 ± 2.1	28 ± 0.9	24 ± 4.1	23 ± 3.8	32 ± 0.9
0.3	17 ± 6.0	18 ± 2.5	26 ± 5.4	23 ± 4.9	29 ± 2.6
1.0	21 ± 0.7	25 ± 3.2	26 ± 4.0	29 ± 2.6	23 ± 2.7
3.3	14 ± 0.0	25 ± 1.2	26 ± 1.5	31 ± 3.9	26 ± 6.0
10.0	17 ± 2.9	29 ± 7.8	25 ± 3.1	22 ± 1.5	27 ± 3.5
33.0	12 ± 1.7 ^s	10 ± 0.5 ^s	20 ± 2.9	21 ± 1.2	33 ± 4.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1033 ± 204.5
Positive Control ³			1026 ± 53.1	1103 ± 90.5	
Positive Control ⁶	1736 ± 53.1	1814 ± 32.7			

Experiment Number: 130792
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: 1,2,3,4-Tetrachlorobenzene
CAS Number: 634-66-2

Date Report Requested: 09/12/2018
Time Report Requested: 07:44:25

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	22 ± 1.0
0.3	26 ± 2.0
1.0	30 ± 1.5
3.3	26 ± 6.1
10.0	25 ± 3.8
33.0	24 ± 1.5
Trial Summary	Negative
Positive Control ²	1358 ± 14.2
Positive Control ³	
Positive Control ⁶	

Experiment Number: 130792
Test Type: **Genetic Toxicology - Bacterial
Mutagenicity**

G06: Ames Summary Data
Test Compound: 1,2,3,4-Tetrachlorobenzene
CAS Number: 634-66-2

Date Report Requested: 09/12/2018
Time Report Requested: 07:44:25

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

s: Slight Toxicity

**** END OF REPORT ****