

Experiment Number: 299797

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

G06: Ames Summary Data

Test Compound: **Endrin**

CAS Number: **72-20-8**

Date Report Requested: **09/11/2018**

Time Report Requested: **22:02:25**

NTP Study Number:

299797

Study Result:

Negative

Experiment Number: 299797

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Endrin

CAS Number: 72-20-8

Date Report Requested: 09/11/2018

Time Report Requested: 22:02:25

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	128 ± 7.0	167 ± 14.7	118 ± 3.5	153 ± 8.2	109 ± 6.2
100.0	122 ± 3.5	153 ± 3.1	122 ± 5.2	140 ± 1.2	100 ± 2.5
333.0	118 ± 2.9 ^P	167 ± 6.1	112 ± 1.8 ^P	137 ± 4.5	108 ± 4.3 ^P
1000.0	124 ± 6.2 ^P	159 ± 10.2 ^P	112 ± 6.4 ^P	135 ± 5.0 ^P	104 ± 3.8 ^P
3333.0	130 ± 4.0 ^P	141 ± 6.1 ^S	117 ± 9.2 ^P	138 ± 13.2 ^P	99 ± 7.7 ^P
10000.0	97 ± 2.8 ^S	131 ± 8.1 ^S	105 ± 0.0 ^P	132 ± 15.5 ^P	97 ± 3.2 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					3070 ± 94.2
Positive Control ³			1385 ± 45.4	975 ± 13.3	
Positive Control ⁴	1607 ± 44.1	2412 ± 45.3			

Experiment Number: 299797

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Endrin

CAS Number: 72-20-8

Date Report Requested: 09/11/2018

Time Report Requested: 22:02:25

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	144 ± 11.3
100.0	140 ± 8.7
333.0	141 ± 0.7
1000.0	145 ± 5.9 ^P
3333.0	147 ± 3.2 ^P
10000.0	135 ± 7.5 ^P
Trial Summary	Negative
Positive Control ²	1664 ± 101.3
Positive Control ³	
Positive Control ⁴	

Experiment Number: 299797

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Endrin

CAS Number: 72-20-8

Date Report Requested: 09/11/2018

Time Report Requested: 22:02:25

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	28 ± 1.2	24 ± 4.7	9 ± 0.6	11 ± 2.4	10 ± 1.5
100.0	17 ± 2.4	25 ± 6.8	10 ± 1.8	13 ± 3.8	11 ± 0.3
333.0	24 ± 2.3 ^P	28 ± 5.7	13 ± 2.4 ^P	14 ± 1.7	11 ± 3.4 ^P
1000.0	18 ± 1.2 ^P	27 ± 3.9 ^P	9 ± 1.2 ^P	14 ± 1.2 ^P	10 ± 2.7 ^P
3333.0	20 ± 2.2 ^S	27 ± 3.8 ^P	10 ± 1.5 ^P	9 ± 0.3 ^P	5 ± 1.5 ^P
10000.0	11 ± 4.2 ^S	20 ± 1.2 ^S	13 ± 0.3 ^P	11 ± 2.6 ^P	11 ± 1.7 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					140 ± 10.2
Positive Control ³			57 ± 1.8	57 ± 9.3	
Positive Control ⁴	1197 ± 36.0	1549 ± 27.6			

Experiment Number: 299797
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: Endrin
CAS Number: 72-20-8

Date Report Requested: 09/11/2018
Time Report Requested: 22:02:25

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	12 ± 1.0
100.0	8 ± 1.5
333.0	9 ± 0.3
1000.0	14 ± 1.2 ^P
3333.0	10 ± 0.7 ^P
10000.0	9 ± 2.0 ^P
Trial Summary	Negative
Positive Control ²	127 ± 8.5
Positive Control ³	
Positive Control ⁴	

Experiment Number: 299797

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Endrin

CAS Number: 72-20-8

Date Report Requested: 09/11/2018

Time Report Requested: 22:02:25

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	9 ± 2.2	7 ± 0.3	10 ± 0.3	8 ± 1.3	7 ± 0.7
100.0	5 ± 0.9	7 ± 1.7	8 ± 0.6	8 ± 0.9	6 ± 1.2
333.0	8 ± 2.0 ^P	7 ± 1.2	7 ± 0.6 ^P	10 ± 0.9	8 ± 1.2 ^P
1000.0	5 ± 2.0 ^P	5 ± 1.9 ^P	7 ± 1.2 ^P	8 ± 1.7 ^P	6 ± 0.0 ^P
3333.0	7 ± 2.6 ^S	7 ± 0.9 ^P	6 ± 1.9 ^P	7 ± 1.2 ^P	7 ± 0.6 ^P
10000.0	3 ± 0.7 ^S	6 ± 1.3 ^S	5 ± 0.9 ^P	5 ± 1.5 ^P	7 ± 0.3 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					322 ± 23.4
Positive Control ³			83 ± 6.4	70 ± 4.2	
Positive Control ⁵	788 ± 10.1	1413 ± 18.8			

Experiment Number: 299797

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Endrin

CAS Number: 72-20-8

Date Report Requested: 09/11/2018

Time Report Requested: 22:02:25

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	9 ± 1.8
100.0	7 ± 1.9
333.0	5 ± 0.3
1000.0	9 ± 0.3 ^P
3333.0	11 ± 4.1 ^P
10000.0	6 ± 0.7 ^P
Trial Summary	Negative
Positive Control ²	179 ± 11.7
Positive Control ³	
Positive Control ⁵	

Experiment Number: 299797

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Endrin

CAS Number: 72-20-8

Date Report Requested: 09/11/2018

Time Report Requested: 22:02:25

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	15 ± 4.7	23 ± 2.1	28 ± 4.7	24 ± 1.5	29 ± 0.9
100.0	18 ± 6.2	20 ± 2.7	24 ± 4.3	28 ± 2.5	27 ± 3.2
333.0	12 ± 0.6 ^P	17 ± 0.9	28 ± 2.3 ^P	24 ± 2.6	34 ± 4.5 ^P
1000.0	14 ± 2.4 ^P	18 ± 4.9 ^P	25 ± 1.3 ^P	21 ± 1.5 ^P	28 ± 2.6 ^P
3333.0	14 ± 1.7 ^P	21 ± 2.8 ^P	27 ± 2.0 ^P	25 ± 3.2 ^P	24 ± 3.8 ^P
10000.0	14 ± 1.0 ^S	13 ± 4.7 ^S	20 ± 2.5 ^P	21 ± 0.7 ^P	25 ± 1.0 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					2009 ± 34.2
Positive Control ³			1105 ± 11.7	849 ± 39.5	
Positive Control ⁶	1162 ± 40.2	2136 ± 38.8			

Experiment Number: 299797

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Endrin

CAS Number: 72-20-8

Date Report Requested: 09/11/2018

Time Report Requested: 22:02:25

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	29 ± 1.5
100.0	28 ± 2.4
333.0	32 ± 0.7
1000.0	30 ± 1.2 ^P
3333.0	24 ± 0.3 ^P
10000.0	26 ± 1.5 ^P
Trial Summary	Negative
Positive Control ²	1378 ± 35.6
Positive Control ³	
Positive Control ⁶	

Experiment Number: 299797

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

G06: Ames Summary Data

Test Compound: **Endrin**

CAS Number: **72-20-8**

Date Report Requested: **09/11/2018**

Time Report Requested: **22:02:25**

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: Acetone

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 ****