

Experiment Number: 832540

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Chloro-p-phenylenediamine sulfate

CAS Number: 61702-44-1

Date Report Requested: 09/15/2018

Time Report Requested: 19:35:02

NTP Study Number:

832540

Study Result:

Positive

Experiment Number: 832540
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: 2-Chloro-p-phenylenediamine sulfate
CAS Number: 61702-44-1

Date Report Requested: 09/15/2018
Time Report Requested: 19:35:02

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	107 ± 11.2	108 ± 7.4	115 ± 8.5	105 ± 5.3	119 ± 7.7
3.0					
10.0					
33.0					
100.0	126 ± 9.8	129 ± 7.3	189 ± 3.5	158 ± 8.1	237 ± 13.1
333.0	131 ± 11.0	138 ± 17.5	201 ± 10.9	172 ± 6.6	340 ± 4.8
1000.0	171 ± 7.4	171 ± 5.8	282 ± 12.7	228 ± 6.8	499 ± 4.7
3333.0	185 ± 4.6	211 ± 9.2	320 ± 29.4	240 ± 12.8	542 ± 16.7
6666.0		174 ± 10.9		167 ± 9.3	
10000.0	Toxic		237 ± 64.6 ^s		108 ± 5.3 ^s
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²			439 ± 9.7	423 ± 3.6	1078 ± 7.5
Positive Control ³	530 ± 5.4	261 ± 15.6			

Experiment Number: 832540

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Chloro-p-phenylenediamine sulfate

CAS Number: 61702-44-1

Date Report Requested: 09/15/2018

Time Report Requested: 19:35:02

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	126 ± 2.5
3.0	149 ± 1.7
10.0	167 ± 5.7
33.0	187 ± 19.5
100.0	290 ± 19.2
333.0	390 ± 14.7
1000.0	
3333.0	
6666.0	
10000.0	
Trial Summary	Positive
Positive Control ²	1088 ± 9.3
Positive Control ³	

Experiment Number: 832540

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Chloro-p-phenylenediamine sulfate

CAS Number: 61702-44-1

Date Report Requested: 09/15/2018

Time Report Requested: 19:35:02

Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	19 ± 1.5	7 ± 1.5	12 ± 1.5
100.0	22 ± 4.0	10 ± 2.3	7 ± 1.2
333.0	16 ± 3.4	10 ± 2.2	9 ± 1.3
1000.0	26 ± 3.5	8 ± 2.0	10 ± 1.7
3333.0	33 ± 6.2	11 ± 0.7	18 ± 3.2
10000.0	Toxic	14 ± 2.7 ^P	23 ± 3.3 ^P
Trial Summary	Negative	Negative	Negative
Positive Control ³	423 ± 11.4		
Positive Control ⁴		190 ± 16.3	550 ± 11.9

Experiment Number: 832540

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Chloro-p-phenylenediamine sulfate
CAS Number: 61702-44-1

Date Report Requested: 09/15/2018

Time Report Requested: 19:35:02

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	5 ± 0.3	6 ± 0.7	9 ± 1.7	8 ± 2.0	5 ± 1.8
100.0	7 ± 2.5	6 ± 1.2	14 ± 0.3	6 ± 2.0	15 ± 1.2
333.0	7 ± 0.6	10 ± 1.9	12 ± 3.8	11 ± 1.8	40 ± 4.6
1000.0	13 ± 0.6	24 ± 5.5	31 ± 4.1	27 ± 3.5	78 ± 15.1
3333.0	22 ± 3.4	27 ± 2.3	42 ± 10.4	33 ± 2.0	100 ± 0.3
6666.0		28 ± 2.7		23 ± 1.7	
10000.0	Toxic		16 ± 1.5 ^s		14 ± 3.1 ^s
Trial Summary	Equivocal	Positive	Positive	Positive	Positive
Positive Control ⁴			156 ± 4.5	98 ± 9.0	390 ± 17.9
Positive Control ⁵	89 ± 16.9	117 ± 11.9			

Experiment Number: 832540
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: 2-Chloro-p-phenylenediamine sulfate
CAS Number: 61702-44-1

Date Report Requested: 09/15/2018
Time Report Requested: 19:35:02

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	12 ± 2.6
100.0	24 ± 1.5
333.0	44 ± 4.1
1000.0	81 ± 1.5
3333.0	81 ± 6.9
6666.0	58 ± 3.0
10000.0	
Trial Summary	Positive
Positive Control ⁴	341 ± 21.2
Positive Control ⁵	

Experiment Number: 832540

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Chloro-p-phenylenediamine sulfate
CAS Number: 61702-44-1

Date Report Requested: 09/15/2018

Time Report Requested: 19:35:02

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	17 ± 1.7	14 ± 2.4	28 ± 2.7	28 ± 5.2	30 ± 3.2
3.0					
10.0					
33.0					
100.0	29 ± 2.2	24 ± 1.5	53 ± 7.2	61 ± 9.4	226 ± 9.1
333.0	39 ± 3.8	31 ± 5.3	91 ± 5.8	87 ± 2.4	492 ± 32.2
1000.0	103 ± 10.2	114 ± 7.5	233 ± 17.7	247 ± 14.5	865 ± 4.1
3333.0	239 ± 21.4	226 ± 4.6	90 ± 12.2	357 ± 35.3	888 ± 51.5
6666.0		128 ± 5.6 ^s		157 ± 4.0	
10000.0	Toxic		45 ± 24.2 ^s		132 ± 13.5 ^s
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²			317 ± 18.3	294 ± 21.5	910 ± 46.2
Positive Control ⁶	839 ± 23.2	821 ± 18.2			

Experiment Number: 832540

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Chloro-p-phenylenediamine sulfate

CAS Number: 61702-44-1

Date Report Requested: 09/15/2018

Time Report Requested: 19:35:02

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	33 ± 3.2
3.0	30 ± 7.4
10.0	48 ± 3.3
33.0	58 ± 1.3
100.0	217 ± 3.3
333.0	382 ± 9.3
1000.0	
3333.0	
6666.0	
10000.0	
Trial Summary	Positive
Positive Control ²	844 ± 41.5
Positive Control ⁶	

Experiment Number: 832540

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Chloro-p-phenylenediamine sulfate

CAS Number: 61702-44-1

Date Report Requested: 09/15/2018

Time Report Requested: 19:35:02

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

s: Slight Toxicity

**** END OF REPORT ****