

Experiment Number: 191170
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: o-Chloroaniline
CAS Number: 95-51-2

Date Report Requested: 09/14/2018
Time Report Requested: 01:52:00

NTP Study Number: 191170
Study Result: Negative

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Date Report Requested: 09/14/2018
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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	100 ± 7.5	92 ± 3.0	96 ± 2.8	102 ± 7.0	83 ± 2.0
10.0		77 ± 5.5	94 ± 1.2		74 ± 5.8
33.0	105 ± 3.6	86 ± 0.6	82 ± 8.7	127 ± 1.2	81 ± 3.5
100.0	103 ± 0.5	80 ± 3.8	82 ± 0.9	123 ± 4.7	79 ± 2.9
333.0	102 ± 8.4	80 ± 8.7	99 ± 5.8	121 ± 7.0	75 ± 3.5
1000.0	92 ± 2.9 ^s	76 ± 5.5 ^s	92 ± 4.3 ^s	110 ± 6.1 ^s	79 ± 8.4 ^s
2000.0	Toxic			0 ± 0.0 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					390 ± 5.8
Positive Control ³	471 ± 30.0	343 ± 15.8			
Positive Control ⁴			649 ± 11.9		
Positive Control ⁵					
Positive Control ⁶				498 ± 77.4	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	116 ± 5.0
10.0	
33.0	113 ± 2.7
100.0	121 ± 6.7
333.0	116 ± 3.6
1000.0	113 ± 7.3 ^s
2000.0	14 ± 13.7 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	537 ± 47.0
Positive Control ⁶	

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Test Type: **Genetic Toxicology - Bacterial Mutagenicity****G06: Ames Summary Data**Test Compound: **o-Chloroaniline**CAS Number: **95-51-2**Date Report Requested: **09/14/2018**Time Report Requested: **01:52:00****Strain: TA1535**

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	19 ± 2.0	18 ± 1.7	11 ± 0.7	12 ± 1.5	7 ± 1.5
10.0		17 ± 2.0	8 ± 1.5		10 ± 0.9
33.0	26 ± 1.7	14 ± 2.0	11 ± 0.6	9 ± 1.0	7 ± 1.8
100.0	23 ± 1.3	15 ± 1.9	10 ± 1.5	8 ± 0.9	9 ± 2.6
333.0	23 ± 3.0	14 ± 1.3	6 ± 0.6	4 ± 0.6	10 ± 0.3
1000.0	27 ± 1.2 ^s	20 ± 1.5 ^s	11 ± 2.1 ^s	8 ± 0.6	7 ± 0.9 ^s
2000.0	15 ± 0.3 ^s			Toxic	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					61 ± 3.0
Positive Control ³	245 ± 12.2	253 ± 7.5			
Positive Control ⁵					
Positive Control ⁶			140 ± 2.5	104 ± 4.8	

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	8 ± 1.5
10.0	
33.0	8 ± 1.2
100.0	6 ± 1.2
333.0	10 ± 1.7
1000.0	10 ± 0.9
2000.0	10 ± 0.9 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁵	53 ± 4.6
Positive Control ⁶	

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Strain: TA1537

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	5 ± 0.9	9 ± 0.6	8 ± 1.5
33.0	8 ± 0.7	7 ± 1.5	9 ± 3.5
100.0	6 ± 1.0	8 ± 0.7	6 ± 2.3
333.0	5 ± 1.5	8 ± 2.3	8 ± 1.5
1000.0	4 ± 1.7 ^s	7 ± 0.9	10 ± 2.3
2000.0	5 ± 1.5 ^s	4 ± 2.0 ^s	7 ± 0.7 ^s
Trial Summary	Negative	Negative	Negative
Positive Control ⁷		51 ± 8.7	70 ± 6.7
Positive Control ⁸	71 ± 2.9		

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	81 ± 10.1	88 ± 3.0	121 ± 8.3	131 ± 2.9	97 ± 6.1
10.0		80 ± 9.5	115 ± 4.4		114 ± 7.4
33.0	74 ± 10.7	81 ± 5.3	105 ± 4.7	119 ± 1.2	103 ± 8.5
100.0	79 ± 7.2	86 ± 6.5	111 ± 7.5	114 ± 15.9	104 ± 7.6
333.0	79 ± 3.2	93 ± 3.8	120 ± 5.6	129 ± 8.3	94 ± 7.3
1000.0	59 ± 9.2 ^s	70 ± 2.1 ^s	96 ± 5.0 ^s	115 ± 5.2 ^s	102 ± 6.4 ^s
2000.0	22 ± 3.1 ^s			55 ± 19.8 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴					459 ± 11.8
Positive Control ⁶			1139 ± 18.6		
Positive Control ⁷				481 ± 5.2	
Positive Control ⁹	207 ± 20.0	191 ± 4.4			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	103 ± 1.2
10.0	
33.0	94 ± 4.4
100.0	Toxic
333.0	123 ± 12.3
1000.0	109 ± 4.1
2000.0	95 ± 4.4 ^s
Trial Summary	Negative
Positive Control ⁴	
Positive Control ⁶	
Positive Control ⁷	529 ± 40.3
Positive Control ⁹	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	38 ± 3.0	12 ± 1.2	26 ± 2.1	50 ± 5.2	25 ± 3.5
10.0		15 ± 1.5	32 ± 3.0		27 ± 2.3
33.0	36 ± 1.2	12 ± 0.0	27 ± 0.9	56 ± 4.3	25 ± 1.5
100.0	35 ± 3.7	11 ± 2.8	28 ± 2.0	53 ± 3.8	25 ± 4.6
333.0	31 ± 3.5	12 ± 0.3	27 ± 0.0	53 ± 8.5	25 ± 3.2
1000.0	17 ± 2.6 ^s	12 ± 0.3 ^s	33 ± 1.9 ^s	46 ± 3.9 ^s	26 ± 1.7 ^s
2000.0	10 ± 2.0 ^s			12 ± 5.8 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ¹⁰					70 ± 5.0
Positive Control ²			267 ± 4.9		
Positive Control ⁵				133 ± 15.0	
Positive Control ¹¹	192 ± 8.3	167 ± 7.5			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	59 ± 0.6
10.0	
33.0	59 ± 3.3
100.0	52 ± 5.0
333.0	56 ± 3.3
1000.0	49 ± 6.3 ^s
2000.0	3 ± 0.5 ^s
Trial Summary	Negative
Positive Control ¹⁰	
Positive Control ²	140 ± 16.4
Positive Control ⁵	
Positive Control ¹¹	

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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: 0.4 ug/Plate 2-Aminoanthracene

3: 0.5 ug/Plate Sodium Azide

4: 0.75 ug/Plate 2-Aminoanthracene

5: 1.0 ug/Plate 2-Aminoanthracene

6: 2.0 ug/Plate 2-Aminoanthracene

7: 2.5 ug/Plate 2-Aminoanthracene

8: 4.0 ug/Plate 9-Aminoacridine

9: 8.0 ug/Plate 9-Aminoacridine

10: 0.2 ug/Plate 2-Aminoanthracene

11: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

** END OF REPORT **