

Experiment Number: 417641

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

G06: Ames Summary Data

Test Compound: **p-Chloroaniline**

CAS Number: **106-47-8**

Date Report Requested: **09/14/2018**

Time Report Requested: **23:48:16**

NTP Study Number:

417641

Study Result:

Weakly Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	With 5% Rat S9	With 10% Rat S9	With 30% Rat S9	With 30% Rat S9
Vehicle Control ¹	99 ± 4.7	87 ± 3.8	98 ± 9.7	130 ± 2.1	121 ± 0.3
33.0	103 ± 2.6	98 ± 5.0	99 ± 3.5	136 ± 7.8	102 ± 7.0
100.0	97 ± 2.9	84 ± 6.4	99 ± 4.9	144 ± 7.2	107 ± 2.3
333.0	102 ± 0.9	93 ± 0.3	99 ± 9.0	146 ± 19.8	111 ± 3.5
1000.0	90 ± 1.3 ^s	105 ± 1.2	107 ± 3.2	162 ± 8.6	130 ± 6.1
1500.0		69 ± 2.3 ^s	78 ± 1.5 ^s		129 ± 2.7 ^s
2000.0	33 ± 18.0 ^s			98 ± 15.3 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					
Positive Control ³	453 ± 2.0				
Positive Control ⁴		1043 ± 29.3	993 ± 84.3		
Positive Control ⁵					
Positive Control ⁶				729 ± 7.1	859 ± 3.3

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Strain: TA100

Dose (ug/Plate)	With 5% Hamster S9	With 10% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	92 ± 3.2	86 ± 3.3	109 ± 4.4	114 ± 11.1
33.0	83 ± 4.4	94 ± 4.9	144 ± 3.3	115 ± 0.7
100.0	92 ± 5.2	97 ± 3.2	142 ± 0.0	134 ± 8.9
333.0	83 ± 6.1	100 ± 7.9	149 ± 25.7	160 ± 10.8
1000.0	96 ± 9.2	106 ± 3.2	178 ± 5.5	174 ± 12.2
1500.0	57 ± 13.0 ^s	85 ± 7.5 ^s		158 ± 8.8 ^s
2000.0			100 ± 47.7 ^s	
Trial Summary	Negative	Negative	Equivocal	Weakly Positive
Positive Control ²	1714 ± 97.5	904 ± 8.4		
Positive Control ³				
Positive Control ⁴				
Positive Control ⁵			493 ± 14.6	505 ± 36.9
Positive Control ⁶				

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Strain: TA98

Dose (ug/Plate)	Without S9	With 5% Rat S9	With 10% Rat S9	With 30% Rat S9	With 30% Rat S9
Vehicle Control ¹	38 ± 5.8	23 ± 5.3	26 ± 1.5	51 ± 3.5	30 ± 3.2
33.0	39 ± 1.2	29 ± 2.7	31 ± 1.5	54 ± 0.6	28 ± 1.8
100.0	37 ± 6.5	31 ± 3.8	31 ± 5.6	53 ± 1.7	33 ± 5.6
333.0	37 ± 8.4	45 ± 2.8	41 ± 2.5	66 ± 4.7	42 ± 0.6
1000.0	26 ± 0.6	63 ± 6.5	71 ± 4.5	86 ± 1.5	81 ± 6.6
1500.0		30 ± 2.1 ^s	46 ± 3.5 ^s		83 ± 9.7 ^s
2000.0	8 ± 2.0 ^s			12 ± 12.0 ^s	
Trial Summary	Negative	Positive	Weakly Positive	Equivocal	Positive
Positive Control ⁷					
Positive Control ²		382 ± 4.9	316 ± 25.1		
Positive Control ⁵				169 ± 16.3	169 ± 17.2
Positive Control ⁸	205 ± 12.8				

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Test Compound: p-Chloroaniline

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Strain: TA98

Dose (ug/Plate)	With 30% Rat S9	With 5% Hamster S9	With 10% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	27 ± 2.9	26 ± 1.7	29 ± 2.0	55 ± 2.3	26 ± 1.8
33.0	26 ± 2.1	35 ± 1.9	27 ± 2.5	49 ± 5.2	25 ± 1.8
100.0	21 ± 2.3	26 ± 3.0	28 ± 2.2	57 ± 1.8	24 ± 1.0
333.0	30 ± 2.1	39 ± 1.9	47 ± 3.8	63 ± 3.5	44 ± 2.4
1000.0	50 ± 5.3	50 ± 2.8	73 ± 6.4	90 ± 7.1 ^s	42 ± 6.2
1500.0	51 ± 3.1 ^s	32 ± 3.0 ^s	61 ± 3.8 ^s		60 ± 7.5 ^s
2000.0				21 ± 11.1 ^s	
Trial Summary	Weakly Positive	Equivocal	Positive	Equivocal	Weakly Positive
Positive Control ⁷		107 ± 12.0	77 ± 7.9		
Positive Control ²				111 ± 5.7	142 ± 5.5
Positive Control ⁵	171 ± 5.2				
Positive Control ⁸					

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	24 ± 0.6
33.0	23 ± 1.9
100.0	29 ± 1.8
333.0	30 ± 1.9
1000.0	66 ± 4.4
1500.0	57 ± 1.5 ^s
2000.0	
Trial Summary	Weakly Positive
Positive Control ⁷	
Positive Control ²	70 ± 4.0
Positive Control ⁵	
Positive Control ⁸	

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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: 0.2 ug/Plate 2-Aminoanthracene

8: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****