

Experiment Number: 862401

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

G06: Ames Summary Data

Test Compound: **Acetyl-o-toluidine**

CAS Number: 120-66-1

Date Report Requested: 09/16/2018

Time Report Requested: 15:44:51

NTP Study Number:

862401

Study Result:

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	118 ± 7.8	129 ± 2.2	127 ± 3.5	117 ± 5.2	122 ± 8.7
100.0	137 ± 1.7		133 ± 3.2		123 ± 4.5
333.0	127 ± 5.6		129 ± 5.0		113 ± 8.4
1000.0	130 ± 3.3	146 ± 1.3	120 ± 0.7	131 ± 13.4	134 ± 8.1
3000.0		162 ± 4.3		114 ± 3.0	
3333.0	148 ± 4.4		119 ± 7.8		129 ± 6.3
6000.0		164 ± 5.2		109 ± 4.5	
8000.0		166 ± 6.6		113 ± 10.1	
10000.0	164 ± 4.7	174 ± 3.2	135 ± 3.8	114 ± 13.8	124 ± 9.7
Trial Summary	Equivocal	Equivocal	Negative	Negative	Negative
Positive Control ²					996 ± 59.1
Positive Control ³			823 ± 45.4	769 ± 6.1	
Positive Control ⁴	986 ± 25.8	1323 ± 27.2			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	148 ± 4.8
100.0	
333.0	
1000.0	119 ± 6.6
3000.0	115 ± 11.4
3333.0	
6000.0	139 ± 3.2
8000.0	130 ± 7.4
10000.0	129 ± 7.9
Trial Summary	Negative
Positive Control ²	1007 ± 22.3
Positive Control ³	
Positive Control ⁴	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	25 ± 4.4	30 ± 0.9	27 ± 1.8	9 ± 0.6	16 ± 1.0
100.0	29 ± 2.1			10 ± 0.7	
333.0	26 ± 1.8			12 ± 2.0	
1000.0	39 ± 6.0	43 ± 2.6	34 ± 4.3	16 ± 1.0	15 ± 1.3
3000.0		58 ± 1.2	52 ± 4.5		14 ± 4.0
3333.0	59 ± 6.2			11 ± 1.9	
6000.0		60 ± 0.3	51 ± 6.2		16 ± 1.0
8000.0		64 ± 8.1	44 ± 6.6		17 ± 0.7
10000.0	77 ± 5.1	64 ± 4.2	69 ± 0.3	16 ± 3.0	17 ± 2.0
Trial Summary	Positive	Weakly Positive	Weakly Positive	Negative	Negative
Positive Control ²					
Positive Control ³				46 ± 2.9	56 ± 1.0
Positive Control ⁴	712 ± 18.8	979 ± 26.8	926 ± 35.4		

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Strain: TA1535

Dose (ug/Plate)	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	16 ± 1.9	8 ± 1.7	13 ± 0.3	14 ± 2.1
100.0		11 ± 2.7		
333.0		11 ± 1.3		
1000.0	12 ± 3.0	11 ± 0.7	13 ± 2.0	14 ± 3.5
3000.0	22 ± 3.2		14 ± 2.0	14 ± 3.7
3333.0		10 ± 1.2		
6000.0	15 ± 0.7		11 ± 0.7	16 ± 1.9
8000.0	15 ± 1.9		13 ± 2.8	16 ± 2.0
10000.0	12 ± 2.9	8 ± 1.8	15 ± 1.5	13 ± 2.5
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²		58 ± 3.7	79 ± 4.2	73 ± 10.4
Positive Control ³	75 ± 5.2			
Positive Control ⁴				

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Strain: TA1537

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	6 ± 3.1	7 ± 0.9	6 ± 1.2
100.0	9 ± 0.6	5 ± 0.6	5 ± 0.0
333.0	6 ± 1.8	6 ± 1.2	8 ± 0.9
1000.0	6 ± 0.9	5 ± 2.3	6 ± 0.9
3333.0	5 ± 0.9	5 ± 1.9	6 ± 0.6
10000.0	5 ± 0.7	6 ± 0.3	8 ± 0.9
Trial Summary	Negative	Negative	Negative
Positive Control ²			69 ± 4.7
Positive Control ³		53 ± 4.3	
Positive Control ⁵	186 ± 16.3		

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Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	16 ± 2.5	24 ± 0.9	25 ± 2.0
100.0	16 ± 1.2	24 ± 3.2	31 ± 4.4
333.0	18 ± 1.2	22 ± 1.7	23 ± 3.1
1000.0	16 ± 3.8	19 ± 1.5	20 ± 2.2
3333.0	15 ± 1.0	22 ± 1.2	24 ± 3.0
10000.0	13 ± 0.6	22 ± 3.5	22 ± 4.1
Trial Summary	Negative	Negative	Negative
Positive Control ²			897 ± 26.5
Positive Control ³		716 ± 38.5	
Positive Control ⁶	1026 ± 16.5		

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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: 0.75 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

**** END OF REPORT ****