

Experiment Number: 807958

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: o-Ethyl phenol

CAS Number: 90-00-6

Date Report Requested: 09/15/2018

Time Report Requested: 09:33:59

NTP Study Number:

807958

Study Result:

Negative

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Date Report Requested: 09/15/2018

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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	154 ± 4.4	132 ± 11.0	125 ± 7.1	161 ± 3.0	121 ± 2.9
3.3	156 ± 7.5				
10.0	154 ± 17.1	128 ± 7.3	128 ± 3.5	169 ± 6.1	115 ± 1.7
33.0	156 ± 5.4	123 ± 4.1	125 ± 4.8	157 ± 8.4	110 ± 8.0
100.0	180 ± 4.4	140 ± 5.0	112 ± 7.1	155 ± 2.4	114 ± 8.5
333.0	179 ± 10.9	146 ± 2.1	111 ± 3.1	149 ± 3.4	123 ± 6.7
1000.0		108 ± 8.0 ^s	Toxic	41 ± 21.5 ^s	65 ± 3.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					372 ± 22.2
Positive Control ³	311 ± 13.9	700 ± 1.5			
Positive Control ⁴			2044 ± 178.1		
Positive Control ⁵					
Positive Control ⁶				1314 ± 36.0	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	158 ± 2.3
3.3	
10.0	153 ± 17.3
33.0	166 ± 7.1
100.0	140 ± 14.2
333.0	164 ± 7.0
1000.0	102 ± 12.7 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	489 ± 13.0
Positive Control ⁶	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control ¹	16 ± 1.5	33 ± 1.2	23 ± 0.9	12 ± 2.6	13 ± 2.4
3.3	19 ± 1.7				
10.0	23 ± 2.0	42 ± 3.2		9 ± 1.0	18 ± 4.7
33.0	24 ± 4.3	34 ± 3.8	26 ± 1.8	15 ± 3.2	17 ± 1.5
100.0	24 ± 1.3	47 ± 1.9	34 ± 4.3	12 ± 3.5	14 ± 2.8
200.0			37 ± 3.6		
333.0	38 ± 1.2	52 ± 5.7	37 ± 5.4	12 ± 3.4	12 ± 1.8
500.0			35 ± 4.7 ^s		
1000.0		Toxic		Toxic	0 ± 0.0 ^s
Trial Summary	Equivocal	Negative	Negative	Negative	Negative
Positive Control ²					
Positive Control ³	272 ± 10.1	425 ± 32.3	346 ± 25.0		
Positive Control ⁵					
Positive Control ⁶				248 ± 2.9	159 ± 2.6

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	17 ± 1.5	12 ± 3.7
3.3		
10.0	15 ± 2.4	17 ± 2.2
33.0	12 ± 3.9	11 ± 1.2
100.0	17 ± 2.0	13 ± 2.5
200.0		
333.0	16 ± 1.7	15 ± 2.1
500.0		
1000.0	13 ± 2.0 ^s	7 ± 1.7 ^s
Trial Summary	Negative	Negative
Positive Control ²	114 ± 9.6	
Positive Control ³		
Positive Control ⁵		96 ± 4.7
Positive Control ⁶		

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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	112 ± 10.8	99 ± 6.0	137 ± 10.8	89 ± 8.9	108 ± 6.9
10.0	114 ± 8.3		126 ± 6.6	122 ± 8.4	101 ± 5.2
33.0	101 ± 2.6	96 ± 4.4	126 ± 9.5	97 ± 4.0	144 ± 3.5
100.0	106 ± 4.9	100 ± 7.9	121 ± 6.1	106 ± 5.8	111 ± 9.8
200.0		97 ± 7.3			
333.0	98 ± 2.7	88 ± 3.1 ^s	111 ± 3.0	91 ± 8.4	130 ± 6.1
500.0		40 ± 13.7 ^s			
1000.0	84 ± 0.5 ^s		94 ± 12.1 ^s	36 ± 15.8 ^s	85 ± 6.1 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁷	524 ± 8.0	523 ± 4.6			
Positive Control ⁴					653 ± 10.5
Positive Control ⁶			2034 ± 51.5		
Positive Control ⁸				935 ± 21.5	
Positive Control ⁹					

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	91 ± 3.0
10.0	86 ± 6.1
33.0	96 ± 11.7
100.0	108 ± 7.9
200.0	
333.0	96 ± 5.0
500.0	
1000.0	66 ± 5.0 ^s
Trial Summary	Negative
Positive Control ⁷	
Positive Control ⁴	
Positive Control ⁶	
Positive Control ⁸	859 ± 63.8
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	20 ± 5.7	27 ± 3.7	45 ± 1.5	32 ± 2.3	42 ± 5.0
3.3	21 ± 2.7				
10.0	18 ± 3.1	30 ± 1.2	45 ± 2.3	32 ± 0.9	35 ± 2.8
33.0	22 ± 1.5	30 ± 3.4	47 ± 5.7	34 ± 3.4	40 ± 2.7
100.0	19 ± 1.3	28 ± 1.0	56 ± 4.1	29 ± 4.7	44 ± 1.5
333.0	22 ± 1.5	32 ± 3.2	44 ± 4.5	32 ± 4.1	42 ± 4.0
1000.0		14 ± 3.8 ^s	Toxic	6 ± 4.7 ^s	27 ± 0.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			530 ± 17.6		273 ± 1.5
Positive Control ⁵				335 ± 10.0	
Positive Control ¹⁰	348 ± 8.4	266 ± 2.8			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	26 ± 3.2
3.3	
10.0	28 ± 2.8
33.0	27 ± 2.3
100.0	21 ± 0.9
333.0	32 ± 2.0
1000.0	13 ± 1.2 ^s
Trial Summary	Negative
Positive Control ²	110 ± 1.2
Positive Control ⁵	
Positive Control ¹⁰	

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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: 0.05 ug/Plate Solvent

8: 2.5 ug/Plate 2-Aminoanthracene

9: 24.0 ug/Plate 9-Aminoacridine

10: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****