

Experiment Number: 059673

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Methyl-p-formyl benzoate

CAS Number: 1571-08-0

Date Report Requested: 09/10/2018

Time Report Requested: 17:31:22

NTP Study Number:

059673

Study Result:

Negative

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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	130 ± 8.9	112 ± 4.7	93 ± 5.9	89 ± 4.3	106 ± 1.5
10.0	147 ± 12.5	115 ± 0.9			
33.0	146 ± 11.6	125 ± 5.0	103 ± 8.4	86 ± 3.0	119 ± 11.1
100.0	131 ± 1.8	127 ± 4.7	107 ± 6.1	71 ± 0.9	112 ± 2.3
333.0	152 ± 7.8	127 ± 0.9	118 ± 6.6	80 ± 4.2	120 ± 4.0
1000.0	104 ± 9.5 ^s	84 ± 6.7	106 ± 9.8	83 ± 6.6	116 ± 5.8
2000.0			55 ± 27.7 ^s	71 ± 1.0 ^s	78 ± 4.7 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1040 ± 41.0
Positive Control ³	430 ± 5.9	639 ± 18.5			
Positive Control ⁴			1129 ± 27.2		
Positive Control ⁵					
Positive Control ⁶				1119 ± 140.5	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	100 ± 3.6
10.0	
33.0	90 ± 2.0
100.0	94 ± 5.8
333.0	100 ± 4.7
1000.0	87 ± 10.5
2000.0	83 ± 5.7
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	425 ± 22.2
Positive Control ⁶	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	25 ± 1.5	35 ± 4.7	13 ± 3.6	12 ± 2.3	17 ± 0.3
10.0	23 ± 4.1	31 ± 4.9			
33.0	24 ± 3.4	38 ± 2.6	14 ± 2.6	11 ± 1.9	17 ± 1.8
100.0	18 ± 2.9	27 ± 0.3	15 ± 2.9	11 ± 1.8	14 ± 1.2
333.0	22 ± 3.2	31 ± 3.1	16 ± 1.9	11 ± 0.6	20 ± 2.2
1000.0	16 ± 2.3	22 ± 2.3	20 ± 4.0	8 ± 0.3	23 ± 1.8
2000.0			14 ± 0.7 ^s	7 ± 3.5 ^s	10 ± 2.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					142 ± 1.2
Positive Control ³	298 ± 35.1	301 ± 32.7			
Positive Control ⁵					
Positive Control ⁶			1879 ± 49.0	191 ± 6.9	

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	11 ± 0.3
10.0	
33.0	12 ± 2.9
100.0	12 ± 2.1
333.0	12 ± 2.3
1000.0	11 ± 1.2
2000.0	11 ± 2.6
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁵	148 ± 9.1
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	140 ± 2.5	100 ± 3.6	123 ± 1.3	65 ± 3.0	166 ± 6.0
10.0	126 ± 6.1	117 ± 7.7			
33.0	150 ± 3.3	114 ± 8.1	132 ± 6.6	77 ± 7.8	153 ± 3.7
100.0	128 ± 2.7	109 ± 2.3	125 ± 5.8	91 ± 4.4	161 ± 5.5
333.0	123 ± 4.3	107 ± 5.5	129 ± 2.4	85 ± 1.8	164 ± 9.0
1000.0	0 ± 0.0 ^s	7 ± 6.5 ^s	98 ± 6.4	83 ± 5.8	125 ± 17.5
2000.0			56 ± 26.3 ^s	67 ± 9.7 ^s	89 ± 7.2 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁷	548 ± 25.1	546 ± 19.9			
Positive Control ⁴					594 ± 39.0
Positive Control ⁶			298 ± 47.0		
Positive Control ⁸				1124 ± 41.6	

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	82 ± 6.0
10.0	
33.0	94 ± 5.2
100.0	77 ± 3.0
333.0	81 ± 7.2
1000.0	88 ± 1.9
2000.0	95 ± 5.5 ^s
Trial Summary	Negative
Positive Control ⁷	
Positive Control ⁴	
Positive Control ⁶	
Positive Control ⁸	1051 ± 44.5

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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	21 ± 2.7	22 ± 4.6	31 ± 1.0	27 ± 1.2	30 ± 6.6
10.0	18 ± 1.5	25 ± 3.8			
33.0	22 ± 1.5	21 ± 2.2	33 ± 2.7	34 ± 2.8	33 ± 1.2
100.0	21 ± 1.5	26 ± 2.3	32 ± 3.5	37 ± 2.6	39 ± 3.5
333.0	16 ± 2.8	25 ± 4.0	33 ± 1.2	36 ± 2.3	34 ± 2.8
1000.0	15 ± 2.5	17 ± 0.7	30 ± 4.5	36 ± 4.8	33 ± 4.3
2000.0			15 ± 2.8 ^s	28 ± 4.7 ^s	20 ± 4.4 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			355 ± 27.9		944 ± 25.2
Positive Control ⁹	393 ± 6.7	369 ± 14.9			
Positive Control ⁵				302 ± 10.0	

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	37 ± 1.5
10.0	
33.0	34 ± 0.9
100.0	37 ± 3.1
333.0	33 ± 4.5
1000.0	28 ± 3.8
2000.0	36 ± 1.9 ^s
Trial Summary	Negative
Positive Control ²	79 ± 1.7
Positive Control ⁹	
Positive Control 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: 0.4 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: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****