

Experiment Number: 118427

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

G06: Ames Summary Data

Test Compound: **Methyl anthranilate**

CAS Number: 134-20-3

Date Report Requested: 09/12/2018

Time Report Requested: 01:30:45

NTP Study Number:

118427

Study Result:

Negative

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CAS Number: 134-20-3

Date Report Requested: 09/12/2018

Time Report Requested: 01:30:45

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	133 ± 1.5	252 ± 7.2	145 ± 10.2	122 ± 10.8	138 ± 8.6
33.0	121 ± 7.4	231 ± 11.0	132 ± 8.5	133 ± 8.3	143 ± 4.2
100.0	131 ± 10.3	265 ± 14.2	132 ± 5.5	151 ± 4.7	118 ± 9.6
333.0	132 ± 6.2	271 ± 10.5	141 ± 6.1	140 ± 10.5	131 ± 6.6
1000.0	110 ± 5.7 ^s	216 ± 6.1 ^s	130 ± 5.3 ^s	143 ± 9.2	121 ± 9.6
1800.0		Toxic	Toxic		Toxic
2200.0	Toxic			Toxic	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					
Positive Control ³				819 ± 20.7	901 ± 20.2
Positive Control ⁴	1466 ± 39.9	1167 ± 56.8	1399 ± 21.3		

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	117 ± 4.9	118 ± 5.6
33.0	130 ± 5.5	126 ± 15.3
100.0	135 ± 3.2	130 ± 1.7
333.0	144 ± 2.8	119 ± 10.0
1000.0	117 ± 13.4	110 ± 5.5
1800.0		Toxic
2200.0	Toxic	
Trial Summary	Negative	Negative
Positive Control ²	820 ± 20.5	706 ± 10.5
Positive Control ³		
Positive Control ⁴		

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	20 ± 2.8	35 ± 3.8	11 ± 1.8	14 ± 0.6	10 ± 0.9
33.0	27 ± 4.4	29 ± 0.6	9 ± 1.2	7 ± 2.6	7 ± 1.2
100.0	19 ± 2.7	31 ± 4.2	13 ± 1.2	13 ± 1.2	7 ± 1.3
333.0	17 ± 3.8	29 ± 4.7	7 ± 1.2	11 ± 2.2	10 ± 1.7
1000.0	2 ± 0.7 ^s	13 ± 1.2 ^s	6 ± 1.5	11 ± 0.3	5 ± 0.9
1800.0		Toxic		Toxic	
2200.0	Toxic		1 ± 0.3 ^s		2 ± 0.5 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					75 ± 2.8
Positive Control ³			72 ± 6.7	108 ± 5.5	
Positive Control ⁴	1124 ± 3.7	1316 ± 14.5			

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Date Report Requested: 09/12/2018

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	12 ± 1.5
33.0	9 ± 1.7
100.0	9 ± 1.2
333.0	13 ± 2.2
1000.0	9 ± 0.3
1800.0	Toxic
2200.0	
Trial Summary	Negative
Positive Control ²	64 ± 8.7
Positive Control ³	
Positive Control ⁴	

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Date Report Requested: 09/12/2018

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	5 ± 1.2	7 ± 0.9	5 ± 1.5	5 ± 1.2	5 ± 0.9
33.0	5 ± 0.3	5 ± 1.7	5 ± 1.5	7 ± 1.3	4 ± 1.7
100.0	4 ± 1.3	7 ± 0.6	6 ± 2.5	9 ± 1.5	4 ± 0.6
333.0	3 ± 0.7	8 ± 1.2	3 ± 0.7	8 ± 1.2	8 ± 0.0
1000.0	3 ± 0.9	2 ± 0.9	6 ± 1.5	8 ± 0.9	6 ± 2.9
1800.0		Toxic		5 ± 1.0 ^s	
2200.0	Toxic		Toxic		2 ± 1.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					64 ± 2.5
Positive Control ³			45 ± 3.7	81 ± 6.2	
Positive Control ⁵	158 ± 33.0	171 ± 3.7			

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Date Report Requested: 09/12/2018

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	5 ± 0.9
33.0	8 ± 1.2
100.0	7 ± 1.5
333.0	8 ± 3.0
1000.0	8 ± 1.5
1800.0	6 ± 0.5 ^s
2200.0	
Trial Summary	Negative
Positive Control ²	100 ± 7.0
Positive Control ³	
Positive Control ⁵	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	15 ± 1.2	18 ± 2.2	24 ± 1.5	29 ± 2.2	21 ± 2.7
33.0	17 ± 2.3	14 ± 1.5	21 ± 2.3	29 ± 0.3	19 ± 3.0
100.0	14 ± 1.7	18 ± 1.0	21 ± 1.7	26 ± 2.1	23 ± 2.6
333.0	14 ± 1.2	17 ± 2.0	20 ± 4.0	27 ± 0.9	22 ± 2.5
1000.0	10 ± 1.0	13 ± 1.2	19 ± 0.6	24 ± 1.5	15 ± 3.0
1800.0		Toxic		Toxic	
2200.0	Toxic		4 ± 0.0 ^s		6 ± 2.6 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					599 ± 45.7
Positive Control ³			435 ± 35.2	670 ± 26.3	
Positive Control ⁶	1602 ± 36.8	1267 ± 44.6			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	24 ± 2.0
33.0	26 ± 0.9
100.0	27 ± 2.0
333.0	28 ± 0.6
1000.0	24 ± 2.1
1800.0	14 ± 0.9 ^s
2200.0	
Trial Summary	Negative
Positive Control ²	949 ± 94.4
Positive Control ³	
Positive Control ⁶	

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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

s: Slight Toxicity

**** END OF REPORT ****