

Experiment Number: 433744

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

G06: Ames Summary Data

Test Compound: **Thiophanate M**

CAS Number: **23564-05-8**

Date Report Requested: **09/10/2018**

Time Report Requested: **21:01:42**

NTP Study Number: 433744

Study Result: Positive

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Mutagenicity**G06: Ames Summary Data**

Test Compound: Thiophanate M

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	129 ± 17.0	148 ± 15.4	153 ± 3.9	189 ± 0.3	132 ± 5.0
33.0	128 ± 7.0	122 ± 2.9	146 ± 4.4		139 ± 10.0
100.0	129 ± 2.3	131 ± 1.5	174 ± 15.6	203 ± 3.5	139 ± 12.2
333.0	119 ± 7.8	146 ± 4.3	205 ± 5.0	199 ± 17.4	203 ± 14.3
1000.0	110 ± 15.0	122 ± 17.8	254 ± 15.7	205 ± 7.1	284 ± 23.9
1666.0	122 ± 10.6				
3333.0		35 ± 30.3 ^p	383 ± 5.5 ^p	250 ± 5.4 ^p	310 ± 24.7 ^p
10000.0				279 ± 13.6 ^p	
Trial Summary	Negative	Negative	Positive	Weakly Positive	Positive
Positive Control ²					374 ± 19.3
Positive Control ³	394 ± 24.4				
Positive Control ⁴			418 ± 33.3	699 ± 5.5	
Positive Control ⁵		1418 ± 19.1			

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	136 ± 3.5
33.0	
100.0	154 ± 5.8
333.0	167 ± 15.8
1000.0	176 ± 15.9
1666.0	
3333.0	243 ± 5.0 ^P
10000.0	348 ± 15.0 ^P
Trial Summary	Positive
Positive Control ²	1146 ± 19.9
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	21 ± 1.5	27 ± 2.3	44 ± 6.8	43 ± 1.8	39 ± 1.5
33.0	23 ± 3.7	31 ± 4.3			37 ± 2.1
100.0	21 ± 4.9	30 ± 5.6	50 ± 4.0		41 ± 1.5
333.0	26 ± 5.5	22 ± 2.3	51 ± 7.2	39 ± 5.5	71 ± 3.8
1000.0	29 ± 1.5	24 ± 1.7	49 ± 6.5	36 ± 2.1	118 ± 12.6
1666.0	19 ± 2.9				
3333.0		8 ± 1.5 ^p	64 ± 1.3 ^p	52 ± 8.1	222 ± 26.4 ^p
6666.0				73 ± 6.1	
10000.0			103 ± 8.8 ^p	81 ± 0.9	
Trial Summary	Negative	Negative	Weakly Positive	Weakly Positive	Positive
Positive Control ²			216 ± 17.8	167 ± 11.9	224 ± 14.7
Positive Control ⁶	505 ± 19.5	501 ± 2.9			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	38 ± 1.9
33.0	
100.0	37 ± 3.8
333.0	41 ± 3.9
1000.0	51 ± 2.2
1666.0	
3333.0	105 ± 2.2 ^p
6666.0	
10000.0	169 ± 10.8 ^p
Trial Summary	Positive
Positive Control ²	673 ± 45.8
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: 1.0 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate Sodium Azide

4: 2.5 ug/Plate 2-Aminoanthracene

5: 5.0 ug/Plate Sodium Azide

6: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

**** END OF REPORT ****