

Experiment Number: 244223

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

G06: Ames Summary Data

Test Compound: **Methyl acetate**

CAS Number: **79-20-9**

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

Time Report Requested: **19:41:51**

NTP Study Number:

244223

Study Result:

Negative

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G06: Ames Summary Data

Test Compound: Methyl acetate

CAS Number: 79-20-9

Date Report Requested: 09/10/2018

Time Report Requested: 19:41:51

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	142 ± 7.5	162 ± 9.1	138 ± 6.9	133 ± 3.1	165 ± 1.2
100.0	158 ± 14.1	139 ± 13.2	138 ± 5.6	147 ± 13.6	163 ± 7.7
333.0	159 ± 1.3	150 ± 3.3	138 ± 6.1	152 ± 7.3	166 ± 5.6
1000.0	166 ± 10.5	150 ± 5.9	155 ± 12.1	157 ± 4.5	174 ± 2.5
3333.0	147 ± 5.8	134 ± 8.4	156 ± 3.4	166 ± 4.9	168 ± 6.3
10000.0	143 ± 6.9	127 ± 6.5	149 ± 5.3	123 ± 7.2	162 ± 5.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					835 ± 37.2
Positive Control ³			602 ± 17.8		
Positive Control ⁴	439 ± 15.8	412 ± 8.4			
Positive Control ⁵				842 ± 33.8	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	180 ± 4.8
100.0	198 ± 7.0
333.0	187 ± 4.6
1000.0	179 ± 6.1
3333.0	180 ± 9.6
10000.0	166 ± 3.8
Trial Summary	Negative
Positive Control ²	
Positive Control ³	545 ± 10.8
Positive Control ⁴	
Positive Control ⁵	

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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	24 ± 2.1	23 ± 3.8	11 ± 1.8	17 ± 2.0	10 ± 1.7
100.0	27 ± 1.7	19 ± 0.9	8 ± 2.1	15 ± 1.5	10 ± 1.8
333.0	31 ± 3.1	21 ± 1.7	9 ± 0.9	11 ± 2.2	7 ± 1.2
1000.0	25 ± 2.9	20 ± 2.1	11 ± 1.0	12 ± 1.0	10 ± 1.0
3333.0	28 ± 2.6	17 ± 4.4	10 ± 1.2	11 ± 3.3	9 ± 0.7
10000.0	28 ± 1.0	14 ± 2.5	8 ± 0.9	15 ± 1.3	9 ± 2.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					255 ± 22.5
Positive Control ⁴	370 ± 9.4	562 ± 16.7			
Positive Control ⁵			168 ± 13.3		
Positive Control ⁶				96 ± 2.6	

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Test Compound: Methyl acetate

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	13 ± 2.6
100.0	14 ± 2.0
333.0	12 ± 1.9
1000.0	17 ± 2.3
3333.0	14 ± 2.6
10000.0	22 ± 1.5
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	403 ± 13.1
Positive Control ⁶	

Experiment Number: 244223

Test Type: Genetic Toxicology - Bacterial
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Test Compound: Methyl acetate

CAS Number: 79-20-9

Date Report Requested: 09/10/2018

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Strain: TA1537

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	8 ± 1.3	11 ± 0.9	12 ± 2.3
100.0	4 ± 0.9	10 ± 1.0	8 ± 1.3
333.0	6 ± 0.6	9 ± 3.3	9 ± 0.7
1000.0	5 ± 2.0	12 ± 1.7	8 ± 2.1
3333.0	5 ± 0.6	9 ± 1.5	8 ± 2.3
10000.0	8 ± 1.5	6 ± 0.9	5 ± 0.7
Trial Summary	Negative	Negative	Negative
Positive Control ³			26 ± 2.0
Positive Control ⁵		37 ± 1.5	
Positive Control ⁷	330 ± 20.6		

Experiment Number: 244223

Test Type: Genetic Toxicology - Bacterial
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Test Compound: Methyl acetate

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Date Report Requested: 09/10/2018

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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	163 ± 21.1	194 ± 4.3	211 ± 5.5	199 ± 13.7	152 ± 12.5
100.0	156 ± 3.5	174 ± 15.3	211 ± 1.9	221 ± 9.3	154 ± 7.8
333.0	178 ± 12.7	145 ± 13.8	201 ± 13.0	213 ± 7.5	140 ± 13.9
1000.0	179 ± 9.2	183 ± 7.8	129 ± 64.5	210 ± 10.2	146 ± 11.3
3333.0	156 ± 9.5	156 ± 18.5	209 ± 5.5	181 ± 12.4	141 ± 12.7
10000.0	175 ± 7.7	170 ± 17.9	188 ± 13.7	159 ± 25.7	141 ± 23.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					634 ± 44.5
Positive Control ³			480 ± 9.2		
Positive Control ⁵				404 ± 1.7	
Positive Control ⁷	817 ± 119.9	1158 ± 52.6			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	208 ± 3.0
100.0	217 ± 3.9
333.0	200 ± 10.5
1000.0	158 ± 9.7
3333.0	152 ± 12.1
10000.0	129 ± 15.8
Trial Summary	Negative
Positive Control ²	
Positive Control ³	330 ± 13.1
Positive Control ⁵	
Positive Control ⁷	

Experiment Number: 244223

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Date Report Requested: 09/10/2018

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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	26 ± 1.9	15 ± 2.6	35 ± 3.2	33 ± 3.0	34 ± 3.2
100.0	23 ± 1.7	18 ± 3.1	23 ± 2.8	34 ± 3.6	25 ± 2.8
333.0	24 ± 6.2	14 ± 2.0	30 ± 3.5	32 ± 5.1	24 ± 1.2
1000.0	25 ± 0.3	15 ± 4.4	23 ± 1.7	36 ± 2.4	31 ± 4.1
3333.0	20 ± 2.9	14 ± 1.5	25 ± 2.6	39 ± 2.1	27 ± 3.5
10000.0	21 ± 1.5	18 ± 2.0	29 ± 3.4	43 ± 0.3	30 ± 2.4
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					786 ± 32.0
Positive Control ³			435 ± 11.0	134 ± 5.9	
Positive Control ⁸	522 ± 21.6	643 ± 23.8			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	32 ± 2.2
100.0	29 ± 3.4
333.0	27 ± 0.7
1000.0	21 ± 0.6
3333.0	23 ± 2.3
10000.0	20 ± 0.7
Trial Summary	Negative
Positive Control ²	
Positive Control ³	283 ± 13.6
Positive Control ⁸	

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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: Water

2: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate 2-Aminoanthracene

4: 1.0 ug/Plate Sodium Azide

5: 2.5 ug/Plate 2-Aminoanthracene

6: 5.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****