

Experiment Number: 536852

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

G06: Ames Summary Data

Test Compound: **Methyl acrylate**

CAS Number: **96-33-3**

Date Report Requested: **09/13/2018**

Time Report Requested: **00:26:00**

NTP Study Number:

536852

Study Result:

Negative

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Mutagenicity**G06: Ames Summary Data**

Test Compound: Methyl acrylate

CAS Number: 96-33-3

Date Report Requested: 09/13/2018

Time Report Requested: 00:26:00

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	130 ± 3.8	150 ± 7.9	164 ± 7.4	176 ± 8.7	159 ± 10.8
33.0					
100.0	139 ± 9.1	152 ± 13.3	171 ± 3.3	184 ± 4.9	166 ± 8.7
333.0	133 ± 5.2	160 ± 8.6	153 ± 6.9	167 ± 6.7	150 ± 2.8
1000.0	134 ± 7.2	165 ± 5.5	167 ± 3.4	162 ± 7.1	141 ± 7.4
3333.0	126 ± 12.9	164 ± 9.2	233 ± 10.7	165 ± 2.3	143 ± 8.6
10000.0	Toxic	Toxic	185 ± 1.5	117 ± 26.8	0 ± 0.0
Trial Summary	Negative	Negative	Equivocal	Negative	Negative
Positive Control ²			906 ± 69.3	2631 ± 109.3	1320 ± 62.7
Positive Control ³	1632 ± 39.1	487 ± 10.5			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	178 ± 6.1
33.0	178 ± 4.7
100.0	195 ± 4.0
333.0	185 ± 16.7
1000.0	172 ± 7.9
3333.0	126 ± 4.0
10000.0	
Trial Summary	Negative
Positive Control ²	1835 ± 8.0
Positive Control ³	

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Test Type: **Genetic Toxicology - Bacterial Mutagenicity****G06: Ames Summary Data**Test Compound: **Methyl acrylate**CAS Number: **96-33-3**Date Report Requested: **09/13/2018**Time Report Requested: **00:26:00****Strain: TA1535**

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	11 ± 3.2	12 ± 2.2	10 ± 1.8	13 ± 1.5	12 ± 0.6
10.0		14 ± 2.9	7 ± 1.0		11 ± 1.7
33.0		10 ± 1.2	8 ± 0.6		15 ± 3.0
100.0	7 ± 1.9	12 ± 1.0	8 ± 2.0	9 ± 1.0	11 ± 2.4
333.0	9 ± 0.7	6 ± 2.1	7 ± 2.6	9 ± 2.3	13 ± 0.6
1000.0	4 ± 1.5	1 ± 1.0	3 ± 1.2	5 ± 0.3	10 ± 1.7
3333.0	Toxic			0 ± 0.0	
10000.0	0 ± 0.0			0 ± 0.0	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴				270 ± 29.5	414 ± 30.8
Positive Control ³	1158 ± 44.0	922 ± 39.0	866 ± 181.1		

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Mutagenicity****G06: Ames Summary Data**Test Compound: **Methyl acrylate**CAS Number: **96-33-3**Date Report Requested: **09/13/2018**Time Report Requested: **00:26:00****Strain: TA1535**

Dose (ug/Plate)	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	11 ± 1.0	11 ± 3.2	19 ± 1.2	6 ± 1.7
10.0	6 ± 1.2		14 ± 1.5	10 ± 1.0
33.0	7 ± 3.0		14 ± 2.2	4 ± 1.9
100.0	5 ± 1.8	12 ± 2.0	14 ± 3.2	8 ± 0.7
333.0	11 ± 2.3	9 ± 2.0	16 ± 1.7	11 ± 0.7
1000.0	11 ± 1.9	7 ± 0.3	11 ± 0.9	8 ± 1.5
3333.0		0 ± 0.3		
10000.0		0 ± 0.0		
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁴	123 ± 12.5	572 ± 68.5	269 ± 21.0	92 ± 3.2
Positive Control ³				

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Test Type: **Genetic Toxicology - Bacterial Mutagenicity****G06: Ames Summary Data**Test Compound: **Methyl acrylate**CAS Number: **96-33-3**Date Report Requested: **09/13/2018**Time Report Requested: **00:26:00****Strain: TA1537**

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	8 ± 0.9	6 ± 0.6	9 ± 1.9	16 ± 1.2	8 ± 0.6
33.0		5 ± 1.5	9 ± 2.9		8 ± 2.3
100.0	7 ± 1.2	6 ± 0.7	14 ± 0.3	13 ± 2.6	9 ± 1.3
333.0	8 ± 1.5	4 ± 0.6	8 ± 1.0	10 ± 2.2	9 ± 2.1
1000.0	5 ± 0.9	5 ± 0.6	10 ± 0.9	10 ± 2.3	12 ± 1.2
3333.0	Toxic	2 ± 1.5	7 ± 3.1	12 ± 2.7	10 ± 0.3
10000.0	0 ± 0.0			0 ± 0.3	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴				521 ± 69.6	152 ± 19.4
Positive Control ⁵	678 ± 121.2	970 ± 21.2	1031 ± 121.8		

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Test Compound: Methyl acrylate
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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	17 ± 1.8	10 ± 2.5
33.0		8 ± 2.0
100.0	12 ± 1.8	11 ± 2.1
333.0	8 ± 1.7	13 ± 2.3
1000.0	8 ± 0.7	12 ± 2.4
3333.0	8 ± 2.2	13 ± 2.1
10000.0	Toxic	
Trial Summary	Negative	Negative
Positive Control ⁴	431 ± 21.4	425 ± 29.0
Positive Control ⁵		

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Test Compound: Methyl acrylate

CAS Number: 96-33-3

Date Report Requested: 09/13/2018

Time Report Requested: 00:26:00

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	Without S9	Without S9	With 10% Rat S9
Vehicle Control ¹	17 ± 2.2	20 ± 1.7	23 ± 0.6	31 ± 1.7	16 ± 2.0
10.0		19 ± 1.5	26 ± 2.5		
33.0		19 ± 1.0	28 ± 3.6		
100.0	14 ± 2.6	21 ± 0.7	25 ± 3.9	41 ± 5.0	11 ± 0.3
167.0				38 ± 0.9	
333.0	17 ± 2.1	14 ± 3.2	32 ± 1.2	37 ± 1.0	11 ± 1.3
667.0				32 ± 3.2	
1000.0	13 ± 1.3	16 ± 2.0	44 ± 5.7	47 ± 5.1	13 ± 2.2
1667.0				42 ± 3.0	
3333.0	Toxic				10 ± 1.5
10000.0	0 ± 0.0				0 ± 0.0
Trial Summary	Negative	Negative	Equivocal	Negative	Negative
Positive Control ²					1104 ± 133.0
Positive Control ⁶	548 ± 26.5	563 ± 65.6	524 ± 13.8	602 ± 13.3	

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Mutagenicity**G06: Ames Summary Data**

Test Compound: Methyl acrylate

CAS Number: 96-33-3

Date Report Requested: 09/13/2018

Time Report Requested: 00:26:00

Strain: TA98

Dose (ug/Plate)	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	30 ± 3.3	15 ± 2.0	30 ± 4.2
10.0			
33.0	26 ± 0.7		30 ± 1.5
100.0	19 ± 1.5	14 ± 4.0	29 ± 5.7
167.0			
333.0	17 ± 2.1	13 ± 2.3	29 ± 3.4
667.0			
1000.0	16 ± 1.9	11 ± 1.2	24 ± 2.2
1667.0			
3333.0	20 ± 2.3	8 ± 0.9	24 ± 1.2
10000.0		Toxic	
Trial Summary	Negative	Negative	Negative
Positive Control ²	2477 ± 169.8	1122 ± 51.4	1279 ± 62.7
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: 3.3 ug/Plate Sodium Azide

4: 2.0 ug/Plate 2-Aminoanthracene

5: 33.0 ug/Plate 9-Aminoacridine

6: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****