

Experiment Number: 957126

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

G06: Ames Summary Data

Test Compound: **Methyl acrylate**

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

Date Report Requested: **09/17/2018**

Time Report Requested: **17:39:09**

NTP Study Number:

957126

Study Result:

Negative

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Mutagenicity**G06: Ames Summary Data**

Test Compound: Methyl acrylate

CAS Number: 96-33-3

Date Report Requested: 09/17/2018

Time Report Requested: 17:39:09

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	106 ± 5.3	148 ± 13.9	128 ± 13.3	144 ± 6.7	123 ± 10.7
100.0	121 ± 16.3	150 ± 9.1	129 ± 6.7	141 ± 19.5	123 ± 14.1
333.0	131 ± 3.5	129 ± 11.5	136 ± 15.6	135 ± 16.3	131 ± 13.7
1000.0	142 ± 11.0	131 ± 3.8	136 ± 7.5	138 ± 10.7	112 ± 4.5
3333.0	140 ± 9.8	108 ± 28.1	146 ± 7.4	135 ± 8.7	117 ± 16.7
6666.0		62 ± 35.5 ^s			
10000.0	98 ± 13.8 ^s		142 ± 8.3	110 ± 13.7	75 ± 9.2
Trial Summary	Equivocal	Negative	Negative	Negative	Negative
Positive Control ²	612 ± 25.2	591 ± 4.8			
Positive Control ³			512 ± 7.3	273 ± 19.5	1936 ± 40.2

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	130 ± 16.0
100.0	137 ± 6.4
333.0	145 ± 13.0
1000.0	140 ± 6.5
3333.0	156 ± 3.6
6666.0	110 ± 17.5
10000.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ³	698 ± 28.2

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Test Compound: Methyl acrylate

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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	19 ± 1.2	34 ± 3.3	10 ± 2.8	17 ± 0.3	13 ± 2.3
100.0	22 ± 1.8	28 ± 1.2	11 ± 2.0	18 ± 0.7	10 ± 2.5
333.0	23 ± 3.1	31 ± 4.7	6 ± 1.0	13 ± 2.2	8 ± 0.9
1000.0	22 ± 3.2	30 ± 1.8	9 ± 3.0	14 ± 3.9	8 ± 2.5
3333.0	14 ± 3.1	24 ± 7.1	5 ± 1.5	9 ± 3.5	6 ± 2.3
6666.0		0 ± 0.0 ^s			
10000.0	2 ± 0.6 ^s		6 ± 2.1 ^s	1 ± 0.7 ^s	0 ± 0.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	326 ± 18.0	360 ± 23.5			
Positive Control ⁴			196 ± 5.9	112 ± 9.0	304 ± 19.2

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

Date Report Requested: **09/17/2018**
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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	10 ± 1.5
100.0	12 ± 0.9
333.0	12 ± 1.3
1000.0	7 ± 1.2
3333.0	3 ± 1.7
6666.0	0 ± 0.0 ^s
10000.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	357 ± 32.5

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Mutagenicity**G06: Ames Summary Data**

Test Compound: Methyl acrylate

CAS Number: 96-33-3

Date Report Requested: 09/17/2018

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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	153 ± 4.0	142 ± 10.5	182 ± 5.8	201 ± 7.0	165 ± 6.9
100.0	167 ± 14.8	132 ± 11.7	200 ± 2.8	182 ± 4.6	173 ± 9.7
333.0	144 ± 5.0	149 ± 6.6	182 ± 10.0	165 ± 3.5	173 ± 8.7
1000.0	150 ± 6.7	135 ± 6.6	178 ± 6.6	186 ± 19.2	178 ± 9.0
3333.0	179 ± 9.5	117 ± 19.2	192 ± 5.9	99 ± 22.7	102 ± 24.9
6666.0		47 ± 39.4 ^s			
10000.0	23 ± 20.2 ^s		169 ± 3.5 ^s	0 ± 0.0 ^s	0 ± 0.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			887 ± 25.8	550 ± 21.7	1420 ± 25.2
Positive Control ⁵	1206 ± 39.9	719 ± 26.4			

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Date Report Requested: 09/17/2018
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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	179 ± 7.2
100.0	144 ± 1.7
333.0	152 ± 18.5
1000.0	162 ± 13.0
3333.0	65 ± 15.0
6666.0	0 ± 0.0 ^s
10000.0	
Trial Summary	Negative
Positive Control ⁴	1579 ± 44.3
Positive Control 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	20 ± 2.3	29 ± 1.2	31 ± 5.2	41 ± 1.2	39 ± 3.0
100.0	25 ± 3.0	31 ± 5.6	31 ± 5.7	38 ± 6.5	33 ± 4.5
333.0	23 ± 4.8	25 ± 2.2	33 ± 2.3	31 ± 4.5	36 ± 4.4
1000.0	21 ± 2.3	22 ± 3.5	32 ± 2.3	27 ± 8.5	38 ± 3.2
3333.0	25 ± 4.3	21 ± 4.7	27 ± 1.5	26 ± 4.2	23 ± 1.7
6666.0		5 ± 2.9 ^s			
10000.0	2 ± 1.2 ^s		26 ± 1.2 ^s	8 ± 4.2 ^s	0 ± 0.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³			287 ± 9.1	104 ± 6.2	1419 ± 19.9
Positive Control ⁶	1495 ± 67.4	1099 ± 37.6			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	36 ± 4.5
100.0	28 ± 2.1
333.0	26 ± 3.5
1000.0	31 ± 2.6
3333.0	19 ± 4.7
6666.0	0 ± 0.0 ^s
10000.0	
Trial Summary	Negative
Positive Control ³	366 ± 30.2
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 Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****