

Experiment Number: **327882**

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

G06: Ames Summary Data

Test Compound: **2-Methoxyethyl acetate**

CAS Number: **110-49-6**

Date Report Requested: **09/12/2018**

Time Report Requested: **16:12:55**

NTP Study Number:

327882

Study Result:

Equivocal

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Test Compound: 2-Methoxyethyl acetate

CAS Number: 110-49-6

Date Report Requested: 09/12/2018

Time Report Requested: 16:12:55

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	164 ± 1.7	139 ± 2.0	124 ± 8.2	162 ± 1.9	166 ± 4.7
100.0	172 ± 9.3	136 ± 8.4	151 ± 7.5	145 ± 4.2	166 ± 7.9
333.0	173 ± 8.2	132 ± 7.8	152 ± 12.6	151 ± 11.5	167 ± 2.7
1000.0	174 ± 10.8	153 ± 5.2	165 ± 9.3	141 ± 10.5	163 ± 6.5
3333.0	172 ± 13.9	158 ± 6.3	159 ± 4.8	140 ± 5.2	155 ± 3.3
10000.0	188 ± 16.7	171 ± 10.3	153 ± 5.4	95 ± 7.7	147 ± 9.4
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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Test Compound: 2-Methoxyethyl acetate

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	138 ± 8.8
100.0	148 ± 1.2
333.0	161 ± 8.8
1000.0	146 ± 12.0
3333.0	155 ± 4.8
10000.0	129 ± 10.3
Trial Summary	Negative
Positive Control ²	
Positive Control ³	585 ± 3.2
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	23 ± 2.9	17 ± 3.6	12 ± 2.2	15 ± 1.2	10 ± 2.7
100.0	19 ± 1.8	17 ± 0.3	8 ± 0.3	14 ± 1.3	10 ± 0.9
333.0	26 ± 8.1	19 ± 0.3	8 ± 0.9	11 ± 2.6	6 ± 1.2
1000.0	23 ± 1.3	17 ± 2.2	10 ± 1.2	15 ± 1.9	10 ± 2.8
3333.0	21 ± 0.9	18 ± 0.6	8 ± 1.2	15 ± 0.6	8 ± 0.3
10000.0	21 ± 0.3	16 ± 2.2	7 ± 0.7	15 ± 2.0	8 ± 2.4
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: 2-Methoxyethyl acetate

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Date Report Requested: 09/12/2018

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	13 ± 1.5
100.0	16 ± 1.5
333.0	10 ± 0.3
1000.0	14 ± 1.0
3333.0	11 ± 1.2
10000.0	14 ± 3.1
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	403 ± 13.1
Positive Control ⁶	

Experiment Number: 327882

Test Type: Genetic Toxicology - Bacterial
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G06: Ames Summary Data

Test Compound: 2-Methoxyethyl acetate

CAS Number: 110-49-6

Date Report Requested: 09/12/2018

Time Report Requested: 16:12:55

Strain: TA1537

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	10 ± 0.9	11 ± 2.3	11 ± 1.5
100.0	8 ± 0.9	11 ± 0.7	15 ± 0.3
333.0	6 ± 2.1	15 ± 2.5	15 ± 1.8
1000.0	8 ± 1.9	11 ± 1.8	12 ± 0.6
3333.0	9 ± 1.5	8 ± 1.2	12 ± 2.2
10000.0	10 ± 2.8	15 ± 1.8	10 ± 1.8
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: 327882

Test Type: Genetic Toxicology - Bacterial
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G06: Ames Summary Data

Test Compound: 2-Methoxyethyl acetate

CAS Number: 110-49-6

Date Report Requested: 09/12/2018

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Strain: TA97

Dose (ug/Plate)	Without S9		Without S9	Without S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control ¹	195 ±	8.0	163 ± 14.2	152 ± 14.3	191 ± 10.4	216 ± 9.8
100.0	176 ±	7.9	165 ± 8.1		179 ± 14.9	227 ± 7.2
333.0	172 ±	7.0	163 ± 7.0	163 ± 10.6	197 ± 10.2	198 ± 18.4
1000.0	188 ±	15.2	163 ± 13.9	173 ± 11.3	211 ± 7.0	181 ± 12.1
3333.0	185 ±	6.5	190 ± 9.8	176 ± 5.0	205 ± 1.7	194 ± 3.2
6666.0				214 ± 8.5		
10000.0	220 ±	17.5	257 ± 11.0	177 ± 19.5	166 ± 10.4	155 ± 28.1
Trial Summary	Negative		Equivocal	Equivocal	Negative	Negative
Positive Control ²						
Positive Control ³					324 ± 28.9	
Positive Control ⁵						404 ± 1.7
Positive Control ⁷	817 ±	119.9	1158 ± 52.6	679 ± 18.5		

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Strain: TA97

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	178 ± 20.8	225 ± 8.3
100.0	163 ± 33.1	206 ± 5.7
333.0	167 ± 3.8	216 ± 19.2
1000.0	175 ± 27.2	198 ± 7.7
3333.0	181 ± 14.7	196 ± 9.3
6666.0		
10000.0	133 ± 9.9	150 ± 14.7
Trial Summary	Negative	Negative
Positive Control ²	634 ± 44.5	
Positive Control ³		330 ± 13.1
Positive Control ⁵		
Positive Control ⁷		

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Test Compound: 2-Methoxyethyl acetate

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Date Report Requested: 09/12/2018

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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 ± 3.8	19 ± 2.9	30 ± 2.5	36 ± 2.8	23 ± 1.7
100.0	28 ± 2.6	17 ± 1.7	28 ± 1.5	36 ± 3.5	23 ± 1.5
333.0	29 ± 1.3	20 ± 2.1	24 ± 1.9	34 ± 3.0	26 ± 2.3
1000.0	25 ± 2.6	16 ± 2.6	25 ± 3.7	34 ± 4.2	28 ± 1.8
3333.0	22 ± 1.3	16 ± 1.2	25 ± 2.9	36 ± 5.4	23 ± 2.0
10000.0	38 ± 0.3	21 ± 1.7	26 ± 0.9	26 ± 0.7	22 ± 3.5
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	37 ± 2.2
100.0	38 ± 3.1
333.0	38 ± 2.9
1000.0	29 ± 2.1
3333.0	29 ± 3.8
10000.0	31 ± 3.2
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 ****