

Experiment Number: **A76659**

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

G06: Ames Summary Data

Test Compound: **Methanol**

CAS Number: **67-56-1**

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

Time Report Requested: **23:06:47**

NTP Study Number:

A76659

Study Result:

Negative

Experiment Number: A76659
 Test Type: Genetic Toxicology - Bacterial
 Mutagenicity

G06: Ames Summary Data
 Test Compound: Methanol
 CAS Number: 67-56-1

Date Report Requested: 09/17/2018
 Time Report Requested: 23:06:47

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	151 ± 13.1	134 ± 26.4	128 ± 11.1	142 ± 10.4	124 ± 20.5
100.0	143 ± 5.1	107 ± 3.8	117 ± 12.2	156 ± 13.7	129 ± 12.1
333.0	114 ± 9.0	106 ± 8.7	137 ± 8.8	137 ± 3.5	120 ± 4.1
1000.0	115 ± 13.4	121 ± 8.9	155 ± 3.8	142 ± 9.2	145 ± 4.7
3333.0	112 ± 2.6	109 ± 2.1	140 ± 3.8	122 ± 9.5	148 ± 3.3
10000.0	101 ± 2.7	99 ± 9.7	131 ± 1.5	126 ± 0.6	137 ± 5.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					554 ± 25.7
Positive Control ³			460 ± 23.6		
Positive Control ⁴	999 ± 31.5	855 ± 13.0			
Positive Control ⁵				1031 ± 50.8	

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Test Compound: Methanol
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Date Report Requested: 09/17/2018
Time Report Requested: 23:06:47

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	160 ± 11.1
100.0	150 ± 5.2
333.0	156 ± 4.0
1000.0	155 ± 5.2
3333.0	157 ± 7.7
10000.0	132 ± 7.2
Trial Summary	Negative
Positive Control ²	
Positive Control ³	1313 ± 55.4
Positive Control ⁴	
Positive Control ⁵	

Experiment Number: A76659

G06: Ames Summary Data

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

Time Report Requested: 23:06:47

CAS Number: 67-56-1

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	10 ± 0.6	10 ± 1.7	8 ± 1.2	9 ± 0.3	9 ± 1.5
100.0	7 ± 0.9	12 ± 2.6	7 ± 2.0	13 ± 1.5	8 ± 2.3
333.0	10 ± 2.3	6 ± 1.5	9 ± 1.5	13 ± 2.2	8 ± 2.6
1000.0	10 ± 1.2	8 ± 0.7	11 ± 1.0	15 ± 2.6	12 ± 1.5
3333.0	9 ± 1.5	8 ± 0.9	9 ± 3.4	12 ± 1.7	10 ± 2.5
10000.0	10 ± 0.9	8 ± 4.0	8 ± 2.2	14 ± 1.2	10 ± 3.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					121 ± 1.3
Positive Control ⁴	572 ± 14.4	671 ± 29.0			
Positive Control ⁵			163 ± 5.5		
Positive Control ⁶				132 ± 3.9	

Experiment Number: A76659
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: Methanol
CAS Number: 67-56-1

Date Report Requested: 09/17/2018
Time Report Requested: 23:06:47

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	9 ± 0.7
100.0	11 ± 3.8
333.0	11 ± 1.2
1000.0	8 ± 1.5
3333.0	12 ± 2.0
10000.0	11 ± 3.0
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	245 ± 13.1
Positive Control ⁶	

Experiment Number: A76659

G06: Ames Summary Data

Date Report Requested: 09/17/2018

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

Time Report Requested: 23:06:47

CAS Number: 67-56-1

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	116 ± 5.8	127 ± 13.9	120 ± 4.6	128 ± 0.3	129 ± 1.8
100.0	118 ± 7.4	133 ± 6.2	115 ± 6.5	134 ± 6.7	127 ± 2.1
333.0	127 ± 4.2	133 ± 3.5	133 ± 1.5	124 ± 0.7	110 ± 10.5
1000.0	125 ± 2.6	148 ± 4.7	120 ± 10.7	114 ± 5.2	118 ± 8.5
3333.0	130 ± 6.5	153 ± 5.4	135 ± 4.8	122 ± 2.2	118 ± 1.5
10000.0	131 ± 8.0	122 ± 5.2	115 ± 6.1	120 ± 1.7	146 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					447 ± 2.6
Positive Control ³			421 ± 10.6		
Positive Control ⁵				452 ± 9.8	
Positive Control ⁷	351 ± 15.7	385 ± 3.9			

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Mutagenicity

G06: Ames Summary Data
Test Compound: Methanol
CAS Number: 67-56-1

Date Report Requested: 09/17/2018
Time Report Requested: 23:06:47

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	143 ± 7.1
100.0	147 ± 1.9
333.0	162 ± 5.4
1000.0	171 ± 6.9
3333.0	172 ± 1.5
10000.0	165 ± 3.0
Trial Summary	Negative
Positive Control ²	
Positive Control ³	602 ± 22.8
Positive Control ⁵	
Positive Control ⁷	

Experiment Number: A76659

G06: Ames Summary Data

Date Report Requested: 09/17/2018

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

Time Report Requested: 23:06:47

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	23 ± 0.3	15 ± 0.6	14 ± 1.7	29 ± 0.9	16 ± 2.5
100.0	27 ± 4.9	13 ± 1.5	13 ± 2.3	31 ± 2.0	22 ± 2.3
333.0	30 ± 4.7	14 ± 1.2	19 ± 3.8	31 ± 2.1	16 ± 4.0
1000.0	22 ± 3.0	13 ± 2.4	21 ± 1.2	34 ± 3.0	25 ± 1.7
3333.0	20 ± 4.2	11 ± 2.8	19 ± 3.2	35 ± 3.0	29 ± 1.3
10000.0	23 ± 3.9	13 ± 3.2	17 ± 4.1	26 ± 0.9	19 ± 3.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					251 ± 19.4
Positive Control ³			220 ± 1.5		
Positive Control ⁸	466 ± 15.6	217 ± 13.2			
Positive Control ⁵				1037 ± 137.8	

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Test Type: Genetic Toxicology - Bacterial
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G06: Ames Summary Data
Test Compound: Methanol
CAS Number: 67-56-1

Date Report Requested: 09/17/2018
Time Report Requested: 23:06:47

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	38 ± 2.3
100.0	37 ± 2.8
333.0	37 ± 1.2
1000.0	29 ± 4.1
3333.0	29 ± 2.3
10000.0	30 ± 1.2
Trial Summary	Negative
Positive Control ²	
Positive Control ³	1041 ± 65.0
Positive Control ⁸	
Positive Control ⁵	

Experiment Number: A76659

G06: Ames Summary Data

Date Report Requested: 09/17/2018

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

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Strain: TA102

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	226 ± 14.1	288 ± 13.6	327 ± 12.4	297 ± 11.8	336 ± 11.6
100.0	221 ± 9.4	303 ± 8.7	330 ± 15.5	303 ± 16.2	359 ± 20.9
333.0	259 ± 14.5	295 ± 10.5	353 ± 32.3	343 ± 13.5	338 ± 13.6
1000.0	235 ± 4.9	271 ± 12.3	312 ± 13.6	338 ± 1.0	325 ± 44.8
3333.0	223 ± 17.7	273 ± 7.4	309 ± 48.9	320 ± 22.2	350 ± 21.7
10000.0	262 ± 6.7	281 ± 14.2	340 ± 44.2	354 ± 4.9	319 ± 27.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁹	1472 ± 88.5	1026 ± 20.4			
Positive Control ⁶			767 ± 30.4	627 ± 9.0	796 ± 16.8

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Test Compound: Methanol
CAS Number: 67-56-1

Date Report Requested: 09/17/2018
Time Report Requested: 23:06:47

Strain: TA102

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	321 ± 16.8
100.0	346 ± 5.0
333.0	334 ± 4.2
1000.0	333 ± 21.2
3333.0	314 ± 19.7
10000.0	340 ± 26.8
Trial Summary	Negative
Positive Control ⁹	
Positive Control ⁶	1671 ± 26.4

Experiment Number: A76659

G06: Ames Summary Data

Date Report Requested: 09/17/2018

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

Test Compound: Methanol

Time Report Requested: 23:06:47

Strain: TA104

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	355 ± 4.7	268 ± 8.7	358 ± 17.6	416 ± 12.0	374 ± 7.3
100.0	374 ± 5.9	267 ± 8.2	358 ± 17.0	421 ± 2.9	371 ± 13.3
333.0	357 ± 4.6	256 ± 15.6	364 ± 25.2	431 ± 3.5	380 ± 29.5
1000.0	366 ± 10.3	261 ± 12.5	363 ± 13.2	440 ± 14.0	381 ± 7.4
3333.0	355 ± 8.5	252 ± 10.6	387 ± 17.0	424 ± 10.0	384 ± 8.7
10000.0	336 ± 14.8	248 ± 15.2	364 ± 6.9	452 ± 14.9	389 ± 4.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁶			877 ± 25.4	1139 ± 61.1	906 ± 41.0
Positive Control ¹⁰	670 ± 28.6	873 ± 15.9			

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CAS Number: 67-56-1

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Time Report Requested: 23:06:47

Strain: TA104

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	398 ± 3.2
100.0	387 ± 4.0
333.0	406 ± 10.7
1000.0	394 ± 14.2
3333.0	413 ± 14.2
10000.0	415 ± 32.8
Trial Summary	Negative
Positive Control ⁶	1273 ± 6.4
Positive Control ¹⁰	

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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: 1.0 ug/Plate 2-Aminoanthracene
- 3: 2.0 ug/Plate 2-Aminoanthracene
- 4: 5.0 ug/Plate Sodium Azide
- 5: 5.0 ug/Plate 2-Aminoanthracene
- 6: 10.0 ug/Plate 2-Aminoanthracene
- 7: 50.0 ug/Plate 9-Aminoacridine
- 8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine
- 9: 0.5 ug/Plate Mitomycin-C
- 10: 250.0 ug/Plate Methyl Methane Sulfonate

** END OF REPORT **