

Experiment Number: **A76470**

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: **22:55:53**

NTP Study Number:

A76470

Study Result:

Equivocal

Experiment Number: A76470
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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: 22:55:53

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	104 ± 2.3	114 ± 2.1	111 ± 7.0	102 ± 6.1	108 ± 8.1
100.0	99 ± 5.6	107 ± 5.5	116 ± 2.1	99 ± 5.0	108 ± 5.5
333.0	94 ± 3.0	102 ± 3.5	114 ± 2.6	98 ± 1.0	106 ± 5.2
1000.0	101 ± 4.2	116 ± 0.3	108 ± 1.3	97 ± 4.6	112 ± 4.5
3333.0	101 ± 3.3	113 ± 2.2	111 ± 1.3	95 ± 4.0	105 ± 3.2
10000.0	92 ± 1.9	109 ± 1.3	114 ± 3.2	96 ± 4.3	112 ± 4.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					458 ± 7.5
Positive Control ³			355 ± 9.5		
Positive Control ⁴	774 ± 46.2	858 ± 17.4			
Positive Control ⁵				558 ± 13.5	

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Date Report Requested: 09/17/2018
Time Report Requested: 22:55:53

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	98 ± 8.4
100.0	102 ± 2.0
333.0	108 ± 9.1
1000.0	97 ± 4.7
3333.0	104 ± 4.6
10000.0	93 ± 9.0
Trial Summary	Negative
Positive Control ²	
Positive Control ³	853 ± 22.1
Positive Control ⁴	
Positive Control ⁵	

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Date Report Requested: 09/17/2018
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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	11 ± 1.8	15 ± 1.5	12 ± 1.7	14 ± 2.4	15 ± 3.1
100.0	17 ± 1.5	12 ± 1.7	17 ± 0.9	16 ± 1.9	10 ± 2.4
333.0	15 ± 2.8	13 ± 1.9	11 ± 2.7	15 ± 2.2	13 ± 2.1
1000.0	10 ± 1.2	16 ± 1.2	15 ± 1.3	16 ± 0.3	12 ± 2.0
3333.0	13 ± 0.3	14 ± 3.1	12 ± 1.2	12 ± 0.3	15 ± 1.7
10000.0	13 ± 1.8	12 ± 2.0	10 ± 1.5	13 ± 1.7	14 ± 2.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					110 ± 3.5
Positive Control ⁴	663 ± 16.3	855 ± 20.3			
Positive Control ⁵			95 ± 10.6		
Positive Control ⁶				170 ± 6.2	

Experiment Number: A76470
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G06: Ames Summary Data
Test Compound: Methanol
CAS Number: 67-56-1

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

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	12 ± 0.3
100.0	14 ± 2.9
333.0	13 ± 2.6
1000.0	11 ± 2.5
3333.0	14 ± 0.9
10000.0	14 ± 3.1
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	265 ± 3.5
Positive Control ⁶	

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

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	137 ± 6.6	120 ± 11.3	152 ± 13.2	174 ± 3.5	125 ± 12.8
100.0	141 ± 3.2	133 ± 8.2	165 ± 6.1	184 ± 3.2	127 ± 7.6
333.0	154 ± 6.3	129 ± 8.1	163 ± 5.8	168 ± 5.5	125 ± 7.0
1000.0	148 ± 3.3	132 ± 9.8	176 ± 1.2	174 ± 8.5	149 ± 12.9
3333.0	142 ± 2.3	136 ± 1.2	142 ± 25.1	174 ± 8.5	138 ± 6.7
10000.0	143 ± 7.8	108 ± 4.1	171 ± 9.8	173 ± 9.6	120 ± 7.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					428 ± 3.8
Positive Control ³			372 ± 23.5		
Positive Control ⁵				653 ± 50.1	
Positive Control ⁷	372 ± 14.4	355 ± 21.0			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	161 ± 5.4
100.0	175 ± 7.6
333.0	176 ± 7.7
1000.0	176 ± 5.5
3333.0	176 ± 3.5
10000.0	151 ± 11.6
Trial Summary	Negative
Positive Control ²	
Positive Control ³	579 ± 30.8
Positive Control ⁵	
Positive Control ⁷	

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Date Report Requested: 09/17/2018
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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	21 ± 4.9	17 ± 2.8	20 ± 4.5	23 ± 2.9	19 ± 2.9
100.0	24 ± 5.7	18 ± 2.2	19 ± 2.9	23 ± 1.5	24 ± 3.5
333.0	25 ± 3.2	17 ± 1.2	18 ± 1.2	15 ± 1.8	15 ± 2.1
1000.0	26 ± 3.0	15 ± 1.5	18 ± 1.5	19 ± 2.6	14 ± 0.9
3333.0	24 ± 1.7	13 ± 2.0	17 ± 1.3	23 ± 2.4	18 ± 1.0
10000.0	26 ± 5.0	20 ± 0.3	21 ± 2.4	22 ± 7.2	23 ± 2.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					464 ± 6.4
Positive Control ³			305 ± 19.9		
Positive Control ⁸	338 ± 4.4	244 ± 9.3			
Positive Control ⁵				513 ± 36.3	

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

Date Report Requested: 09/17/2018
Time Report Requested: 22:55:53

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	26 ± 0.6
100.0	25 ± 3.2
333.0	22 ± 4.3
1000.0	20 ± 0.3
3333.0	17 ± 1.0
10000.0	25 ± 2.6
Trial Summary	Negative
Positive Control ²	
Positive Control ³	623 ± 27.8
Positive Control ⁸	
Positive Control ⁵	

Experiment Number: A76470

G06: Ames Summary Data

Date Report Requested: 09/17/2018

Test Type: Genetic Toxicology - Bacterial
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Test Compound: Methanol

Time Report Requested: 22:55:53

Strain: TA104

Dose (ug/Plate)	Without S9	Without S9	With 5% Rat S9	With 5% Rat S9	With 10% Rat S9
Vehicle Control ¹	360 ± 13.3	342 ± 20.5	371 ± 15.5	393 ± 17.7	333 ± 8.2
1.0				372 ± 16.5	
3.0				374 ± 17.5	
10.0				408 ± 23.9	
16.0				401 ± 4.6	
33.0			443 ± 31.5	364 ± 26.7	413 ± 34.9
66.0				379 ± 16.0	
100.0	316 ± 12.9	358 ± 21.3	416 ± 32.1	408 ± 8.3	464 ± 25.7
166.0				370 ± 13.2	
333.0	336 ± 6.7	343 ± 15.7	467 ± 31.0	334 ± 33.2	513 ± 20.0
1000.0	339 ± 11.4	379 ± 7.0	425 ± 41.6		488 ± 17.5
3333.0	339 ± 3.4	362 ± 7.7	414 ± 37.7		403 ± 56.9
10000.0	334 ± 17.0	269 ± 8.7			
Trial Summary	Negative	Negative	Equivocal	Negative	Equivocal
Positive Control ⁹					
Positive Control ⁵			934 ± 33.2	1093 ± 96.9	943 ± 24.3
Positive Control ¹⁰	734 ± 13.5	844 ± 8.2			

Experiment Number: A76470

G06: Ames Summary Data

Date Report Requested: 09/17/2018

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

Test Compound: Methanol

Time Report Requested: 22:55:53

Strain: TA104

Dose (ug/Plate)	With 10% Rat S9	With 30% Rat S9	With 5% Hamster S9	With 5% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	346 ± 5.7	375 ± 17.8	384 ± 11.5	376 ± 23.8	378 ± 46.9
1.0	422 ± 8.5			404 ± 35.5	
3.0	427 ± 31.9			439 ± 22.9	
10.0	434 ± 15.5			400 ± 5.5	
16.0	364 ± 15.6			371 ± 8.4	
33.0	393 ± 15.5		526 ± 26.7	389 ± 1.8	444 ± 4.3
66.0	371 ± 20.4			381 ± 13.9	
100.0	433 ± 6.9	430 ± 12.0	527 ± 7.6	411 ± 18.4	507 ± 32.9
166.0	420 ± 8.1			421 ± 18.4	
333.0	393 ± 13.9	464 ± 5.2	534 ± 5.8	419 ± 15.9	548 ± 9.6
1000.0		484 ± 15.4	559 ± 20.3		549 ± 22.3
3333.0		489 ± 26.5	400 ± 51.9		419 ± 111.3
10000.0		460 ± 32.8			
Trial Summary	Equivocal	Equivocal	Equivocal	Negative	Equivocal
Positive Control ⁹			859 ± 16.7		971 ± 12.2
Positive Control ⁵	1126 ± 51.7	667 ± 14.1		1265 ± 90.9	
Positive Control ¹⁰					

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Test Compound: Methanol

CAS Number: 67-56-1

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Strain: TA104

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	380 ± 9.3	389 ± 7.3
1.0	428 ± 24.8	
3.0	427 ± 15.2	
10.0	442 ± 37.9	
16.0	424 ± 10.3	
33.0	393 ± 38.4	
66.0	463 ± 15.6	
100.0	427 ± 11.1	412 ± 8.7
166.0	481 ± 21.2	
333.0	386 ± 20.4	446 ± 9.1
1000.0		437 ± 12.1
3333.0		470 ± 12.1
10000.0		437 ± 17.6
Trial Summary	Equivocal	Equivocal
Positive Control ⁹		639 ± 29.4
Positive Control ⁵	1372 ± 78.3	
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: 2.5 ug/Plate 2-Aminoanthracene
- 10: 250.0 ug/Plate Methyl Methane Sulfonate

**** END OF REPORT ****