

Experiment Number: 413614

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

**G06: Ames Summary Data**

Test Compound: **Methyl carbamate**

CAS Number: **598-55-0**

Date Report Requested: **09/14/2018**

Time Report Requested: **23:18:02**

**NTP Study Number:**

413614

**Study Result:**

Negative

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Mutagenicity

## G06: Ames Summary Data

Test Compound: Methyl carbamate

CAS Number: 598-55-0

Date Report Requested: 09/14/2018

Time Report Requested: 23:18:02

## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	107 ± 5.0	110 ± 10.3	124 ± 12.4	120 ± 5.7	109 ± 4.2
100.0	95 ± 10.8	75 ± 29.6	113 ± 15.9	120 ± 8.7	110 ± 16.1
333.0	101 ± 4.2	93 ± 25.1	104 ± 3.2	99 ± 17.0	107 ± 9.3
1000.0	105 ± 5.9	103 ± 15.5	130 ± 3.0	107 ± 3.1	124 ± 0.7
3333.0	95 ± 1.5	98 ± 14.0	125 ± 10.2	103 ± 7.1	110 ± 4.7
10000.0	101 ± 3.5	102 ± 8.0	123 ± 3.8	79 ± 10.0	102 ± 1.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	291 ± 8.8	238 ± 18.6			
Positive Control <sup>3</sup>			819 ± 28.0	714 ± 68.4	1863 ± 16.2

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**Strain: TA100**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	147 ± 24.6
100.0	114 ± 24.8
333.0	106 ± 3.2
1000.0	102 ± 20.9
3333.0	126 ± 1.0
10000.0	124 ± 6.7
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	481 ± 5.9

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**Strain: TA1535**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 30% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	16 ± 3.3	19 ± 5.5	6 ± 0.3	7 ± 0.6	6 ± 1.5
100.0	14 ± 1.5	25 ± 3.3	8 ± 0.3	10 ± 2.3	6 ± 1.2
333.0	12 ± 2.4	16 ± 2.3	9 ± 1.8	13 ± 0.6	6 ± 1.2
1000.0	11 ± 1.5	22 ± 0.6	9 ± 0.3	9 ± 1.2	8 ± 2.7
3333.0	14 ± 1.2	23 ± 3.1	6 ± 1.5	8 ± 0.9	5 ± 0.9
10000.0	15 ± 0.7	20 ± 1.2	5 ± 1.2	7 ± 2.6	6 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	246 ± 8.8	265 ± 19.3			
Positive Control <sup>4</sup>			221 ± 17.0	285 ± 27.5	415 ± 9.5

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**G06: Ames Summary Data**

Test Compound: Methyl carbamate

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**Strain: TA1535**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	14 ± 1.0
100.0	9 ± 0.7
333.0	9 ± 1.9
1000.0	12 ± 2.3
3333.0	10 ± 1.7
10000.0	9 ± 1.5
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>4</sup>	256 ± 29.3

Experiment Number: 413614

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## G06: Ames Summary Data

Test Compound: Methyl carbamate

CAS Number: 598-55-0

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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 <sup>1</sup>	120 ± 8.5	189 ± 5.5	161 ± 16.2	188 ± 13.8	174 ± 8.1
100.0	125 ± 1.5	179 ± 22.2	198 ± 16.2	213 ± 9.3	159 ± 3.5
333.0	133 ± 9.7	182 ± 14.7	213 ± 9.3	214 ± 15.9	164 ± 20.0
1000.0	126 ± 8.7	196 ± 19.0	197 ± 12.7	214 ± 6.7	147 ± 9.3
3333.0	129 ± 10.1	188 ± 8.4	202 ± 6.1	214 ± 18.2	157 ± 7.4
10000.0	130 ± 10.1	179 ± 20.5	197 ± 4.7	200 ± 19.6	143 ± 10.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>			1452 ± 80.7	1528 ± 105.9	1885 ± 76.9
Positive Control <sup>5</sup>	1156 ± 22.0	879 ± 21.2			

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Strain: TA97

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	233 ± 12.5
100.0	187 ± 22.2
333.0	216 ± 14.5
1000.0	216 ± 12.2
3333.0	200 ± 14.6
10000.0	202 ± 9.3
Trial Summary	Negative
Positive Control <sup>4</sup>	1135 ± 20.6
Positive Control <sup>5</sup>	

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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 <sup>1</sup>	15 ± 1.5	16 ± 1.5	24 ± 0.9	31 ± 2.4	29 ± 1.9
100.0	9 ± 2.9	16 ± 4.7	21 ± 2.7	23 ± 1.7	21 ± 1.5
333.0	14 ± 3.5	15 ± 1.5	21 ± 1.7	22 ± 4.2	24 ± 4.3
1000.0	14 ± 0.9	18 ± 1.9	29 ± 0.9	17 ± 4.6	29 ± 4.4
3333.0	14 ± 1.5	17 ± 2.5	20 ± 2.7	17 ± 1.5	27 ± 1.2
10000.0	18 ± 2.5	16 ± 3.5	21 ± 3.1	20 ± 0.3	22 ± 5.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>			328 ± 26.0	124 ± 35.7	1105 ± 7.8
Positive Control <sup>6</sup>	396 ± 24.4	458 ± 41.2			



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Strain: TA98

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	33 ± 5.5
100.0	20 ± 1.2
333.0	19 ± 1.3
1000.0	22 ± 1.2
3333.0	18 ± 0.9
10000.0	18 ± 3.3
Trial Summary	Negative
Positive Control <sup>3</sup>	384 ± 54.4
Positive Control <sup>6</sup>	

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### **LEGEND**

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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 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

**\*\* END OF REPORT \*\***