

Experiment Number: **G14003**

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

**G06: Ames Summary Data**

Test Compound: **Methyl 4-methylcyclohexanecarboxylate**

CAS Number: **51181-40-9**

Date Report Requested: **09/16/2018**

Time Report Requested: **03:49:07**

**NTP Study Number:**

G14003

**Study Result:**

Negative

Experiment Number: G14003

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: Methyl 4-methylcyclohexanecarboxylate  
CAS Number: 51181-40-9

Date Report Requested: 09/16/2018

Time Report Requested: 03:49:07

## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	97 ± 10.1	84 ± 3.5	87 ± 8.4	81 ± 5.2
15.6	78 ± 0.5	92 ± 5.7		
31.2	93 ± 2.3	76 ± 8.6		
62.5	96 ± 9.3	80 ± 3.3		
125.0	92 ± 3.4	76 ± 5.5		
250.0	57 ± 1.9	64 ± 0.9		
500.0	Toxic	Toxic	88 ± 15.5	82 ± 8.7
750.0			80 ± 8.4	85 ± 8.4
1000.0			84 ± 5.6	78 ± 8.5
2000.0			57 ± 2.6	43 ± 12.3
3000.0			17 ± 15.7 <sup>s</sup>	Toxic
5000.0			Toxic	Toxic
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	594 ± 8.2	651 ± 36.4		
Positive Control <sup>3</sup>			935 ± 56.2	840 ± 23.4

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CAS Number: 51181-40-9

## Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	18 ± 1.5	22 ± 3.8	20 ± 2.3	22 ± 0.9
15.6	12 ± 1.7	18 ± 4.4		
31.2	20 ± 2.4	13 ± 0.9		
62.5	15 ± 3.5	20 ± 3.7		
125.0	15 ± 0.6	20 ± 2.5		
250.0	13 ± 1.5	12 ± 2.7	25 ± 3.4	28 ± 2.9
500.0	Toxic	Toxic	22 ± 4.5	24 ± 0.7
750.0			23 ± 2.7	19 ± 2.3
1000.0			16 ± 1.8	24 ± 1.5
2000.0			18 ± 2.1	17 ± 0.9
3000.0			Toxic	Toxic
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>			1574 ± 112.5	1759 ± 158.0
Positive Control <sup>5</sup>	645 ± 40.3	775 ± 20.1		

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## Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	116 ± 9.8	128 ± 5.2	170 ± 3.4	182 ± 10.5
15.6	109 ± 17.5	112 ± 4.7		
31.2	120 ± 9.9	122 ± 4.4		
62.5	116 ± 7.0	116 ± 6.7		
125.0	123 ± 3.0	121 ± 7.8		
250.0	104 ± 9.4	102 ± 4.4		
500.0	Toxic	57 ± 33.0 <sup>s</sup>	161 ± 4.0	160 ± 12.3
750.0			144 ± 15.5	131 ± 11.8
1000.0			123 ± 3.6	121 ± 5.0
2000.0			87 ± 8.1	76 ± 15.0
3000.0			92 ± 7.9	Toxic
5000.0			Toxic	Toxic
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>6</sup>	1755 ± 69.8	2005 ± 122.6		
Positive Control <sup>7</sup>			1250 ± 39.3	1134 ± 11.5

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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: Dimethyl Sulfoxide

2: 1.0 ug/Plate Sodium Azide

3: 2.0 ug/Plate Other Positive Control

4: 2.0 ug/Plate 2-Aminoanthracene

5: 3.0 ug/Plate 2-Nitrofluorene

6: 0.25 ug/Plate Other Positive Control

7: 20.0 ug/Plate 2-Aminoanthracene

s: Slight Toxicity

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