

Experiment Number: **G14027**

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

G06: Ames Summary Data

Test Compound: **2-methylcyclohexanemethanol**

CAS Number: **2105-40-0**

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

Time Report Requested: **04:12:55**

NTP Study Number:

G14027

Study Result:

Negative

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CAS Number: 2105-40-0

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	101 ± 9.2	88 ± 11.2	98 ± 1.8	97 ± 3.0
100.0	89 ± 4.3	92 ± 9.6		
200.0	90 ± 3.2	88 ± 4.7	100 ± 8.5	99 ± 6.2
300.0	90 ± 4.9	74 ± 7.4	91 ± 2.6	103 ± 2.2
500.0	88 ± 1.5	79 ± 5.5	102 ± 5.9	96 ± 6.1
750.0	77 ± 6.0	74 ± 4.3	85 ± 2.6	96 ± 0.7
1000.0	56 ± 8.0	62 ± 4.4	63 ± 7.2	74 ± 8.5
2000.0			Toxic	Toxic
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	623 ± 30.2	629 ± 13.8		
Positive Control ³			782 ± 26.7	704 ± 12.8

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	16 ± 1.2	21 ± 0.9	23 ± 3.8	26 ± 3.9
200.0	14 ± 2.1	20 ± 1.3	25 ± 2.2	22 ± 1.8
300.0	19 ± 2.8	26 ± 3.2	21 ± 1.0	28 ± 3.0
500.0	18 ± 2.4	17 ± 3.8	21 ± 4.6	28 ± 3.8
750.0	15 ± 2.6	24 ± 1.2	24 ± 3.0	25 ± 3.4
1000.0	13 ± 2.9	18 ± 3.7	21 ± 2.9	25 ± 5.9
2000.0	Toxic	Toxic	Toxic	Toxic
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁴			1452 ± 100.0	1284 ± 64.7
Positive Control ⁵	631 ± 41.1	721 ± 26.2		

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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 ¹	115 ± 2.6	128 ± 9.2	146 ± 1.9	191 ± 3.2
200.0	101 ± 3.5	115 ± 6.5	136 ± 9.2	160 ± 8.5
300.0	121 ± 11.0	131 ± 15.2	149 ± 6.4	176 ± 3.8
500.0	99 ± 7.6	121 ± 5.5	135 ± 4.9	159 ± 6.7
750.0	99 ± 7.6	111 ± 5.1	129 ± 12.0	168 ± 2.3
1000.0	84 ± 11.7	103 ± 4.0	117 ± 14.2	150 ± 12.1
2000.0	Toxic	Toxic	Toxic	45 ± 42.5
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁶	1826 ± 170.6	1845 ± 99.2		
Positive Control ⁷			1095 ± 34.7	1266 ± 40.7

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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: 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

**** END OF REPORT ****