

Experiment Number: **G14004**

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

G06: Ames Summary Data

Test Compound: **1,4-Cyclohexanedimethanol**

CAS Number: **105-08-8**

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

Time Report Requested: **03:52:48**

NTP Study Number:

G14004

Study Result:

Negative

Experiment Number: **G14004**

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

G06: Ames Summary Data

Test Compound: **1,4-Cyclohexanedimethanol**

CAS Number: **105-08-8**

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

Time Report Requested: **03:52:48**

Strain: TA100				
Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	93 ± 12.3	106 ± 3.2	73 ± 7.2	90 ± 7.0
500.0		83 ± 2.5		101 ± 3.2
550.0	79 ± 5.7		80 ± 5.7	
625.0	81 ± 4.7		86 ± 7.2	
750.0	83 ± 6.5	93 ± 5.7	80 ± 3.2	84 ± 3.2
1000.0	74 ± 8.2	86 ± 9.5	79 ± 5.2	98 ± 4.1
2000.0	89 ± 5.0	90 ± 2.2	77 ± 5.2	88 ± 7.1
3000.0	81 ± 11.1	99 ± 4.7	91 ± 6.7	80 ± 12.3
5000.0	77 ± 3.8	94 ± 5.6	93 ± 2.1	90 ± 1.3
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	526 ± 11.2	609 ± 36.3		
Positive Control ³			672 ± 21.4	672 ± 19.9

Experiment Number: **G14004**Test Type: **Genetic Toxicology - Bacterial
Mutagenicity****G06: Ames Summary Data**Test Compound: **1,4-Cyclohexanedimethanol**CAS Number: **105-08-8**Date Report Requested: **09/16/2018**Time Report Requested: **03:52:48**

Strain: TA98				
Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	20 ± 2.4	17 ± 2.0	20 ± 3.8	26 ± 4.7
500.0		17 ± 2.4		24 ± 3.0
550.0	17 ± 1.0		19 ± 2.1	
625.0	18 ± 1.0		23 ± 3.0	
750.0	17 ± 1.9	19 ± 0.3	24 ± 1.5	24 ± 3.2
1000.0	16 ± 2.4	23 ± 0.6	22 ± 3.5	21 ± 3.0
2000.0	24 ± 3.9	17 ± 3.2	25 ± 5.0	17 ± 2.3
3000.0	14 ± 3.3	17 ± 1.2	20 ± 1.7	23 ± 2.4
5000.0	22 ± 0.0	13 ± 4.1	23 ± 0.9	24 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁴			1450 ± 43.6	1282 ± 162.8
Positive Control ⁵	630 ± 28.9	567 ± 27.2		

Experiment Number: **G14004**Test Type: **Genetic Toxicology - Bacterial
Mutagenicity****G06: Ames Summary Data**Test Compound: **1,4-Cyclohexanedimethanol**
CAS Number: **105-08-8**Date Report Requested: **09/16/2018**Time Report Requested: **03:52:48****Strain: E. coli WP2 uvrA pKM101**

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	107 ± 9.0	129 ± 1.5	127 ± 8.7	163 ± 3.5
500.0		146 ± 15.5		194 ± 4.0
550.0	98 ± 6.7		142 ± 8.0	
625.0	91 ± 6.1		137 ± 3.8	
750.0	95 ± 3.5	142 ± 1.9	141 ± 7.4	185 ± 12.0
1000.0	97 ± 3.2	146 ± 16.6	151 ± 9.6	193 ± 6.2
2000.0	105 ± 7.0	118 ± 8.0	143 ± 3.4	182 ± 4.7
3000.0	98 ± 3.7	134 ± 3.5	148 ± 5.7	178 ± 1.7
5000.0	105 ± 7.7	124 ± 1.9	127 ± 1.2	169 ± 9.6
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁶	2143 ± 78.6	1917 ± 67.1		
Positive Control ⁷			1287 ± 14.1	1187 ± 87.4

Experiment Number: **G14004**
Test Type: **Genetic Toxicology - Bacterial**
Mutagenicity

G06: Ames Summary Data
Test Compound: **1,4-Cyclohexanedimethanol**
CAS Number: **105-08-8**

Date Report Requested: **09/16/2018**
Time Report Requested: **03:52:48**

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 ****