

Experiment Number: 122836

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

G06: Ames Summary Data

Test Compound: **Cyclophosphamide monohydrate**

CAS Number: **6055-19-2**

Date Report Requested: **09/12/2018**

Time Report Requested: **02:12:23**

NTP Study Number:

122836

Study Result:

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	102 ± 1.2	107 ± 11.2	111 ± 3.8	124 ± 2.3	97 ± 5.9
100.0	122 ± 6.6	132 ± 7.0	201 ± 7.7	212 ± 7.0	385 ± 34.8
333.0	135 ± 5.8	147 ± 0.3	371 ± 20.4	387 ± 27.4	863 ± 46.0
1000.0	189 ± 7.9	184 ± 12.3	806 ± 42.3	548 ± 4.9	1251 ± 48.2
3333.0	339 ± 24.7	297 ± 4.8	1014 ± 12.5	941 ± 83.3	920 ± 277.6
10000.0	772 ± 34.9	561 ± 15.3	1264 ± 11.0	1187 ± 39.0	0 ± 0.0
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²					3169 ± 170.8
Positive Control ³			2348 ± 76.5	1264 ± 52.9	
Positive Control ⁴	1593 ± 35.9	1987 ± 29.7			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	102 ± 2.6
100.0	411 ± 4.0
333.0	935 ± 23.0
1000.0	1194 ± 44.3
3333.0	1166 ± 265.9
10000.0	Toxic
Trial Summary	Positive
Positive Control ²	2032 ± 30.8
Positive Control ³	
Positive Control ⁴	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	16 ± 1.2	20 ± 3.1	9 ± 1.5	14 ± 2.4	11 ± 1.9
100.0	20 ± 1.3	26 ± 1.0	136 ± 16.9	142 ± 9.8	359 ± 20.0
333.0	27 ± 2.1	61 ± 3.8	362 ± 22.5	360 ± 3.7	949 ± 59.9
1000.0	67 ± 4.9	104 ± 9.2	676 ± 12.5	552 ± 18.8	1337 ± 13.6
3333.0	291 ± 8.7	288 ± 20.8	985 ± 13.0	988 ± 15.9	1463 ± 52.6
10000.0	785 ± 22.5	696 ± 25.5	1136 ± 48.4	1194 ± 40.7	93 ± 78.8
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²					171 ± 7.7
Positive Control ³			123 ± 9.6	95 ± 5.5	
Positive Control ⁴	1175 ± 35.4	1239 ± 42.1			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	9 ± 1.0
100.0	377 ± 41.9
333.0	887 ± 18.9
1000.0	1295 ± 43.7
3333.0	1005 ± 433.2
10000.0	Toxic
Trial Summary	Positive
Positive Control ²	122 ± 8.9
Positive Control ³	
Positive Control ⁴	

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Test Compound: Cyclophosphamide monohydrate
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Date Report Requested: 09/12/2018

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Strain: TA1537

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	5 ± 0.6	3 ± 0.9	6 ± 1.5
100.0	8 ± 1.5	5 ± 0.3	5 ± 1.2
333.0	6 ± 1.5	5 ± 0.3	5 ± 1.2
1000.0	6 ± 1.5	5 ± 0.9	3 ± 0.9
3333.0	6 ± 1.5	6 ± 0.3	5 ± 0.7
10000.0	8 ± 0.7	5 ± 1.9	0 ± 0.3
Trial Summary	Negative	Negative	Negative
Positive Control ²			316 ± 38.2
Positive Control ³		163 ± 7.5	
Positive Control ⁵	253 ± 28.3		

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Test Compound: Cyclophosphamide monohydrate

CAS Number: 6055-19-2

Date Report Requested: 09/12/2018

Time Report Requested: 02:12:23

Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	14 ± 0.9	21 ± 0.7	25 ± 0.9
100.0	18 ± 4.0	19 ± 1.5	21 ± 2.7
333.0	18 ± 1.5	18 ± 2.1	15 ± 2.0
1000.0	12 ± 2.5	19 ± 1.8	20 ± 1.7
3333.0	18 ± 2.7	20 ± 4.1	11 ± 1.2
10000.0	13 ± 0.9	14 ± 1.9	3 ± 2.0
Trial Summary	Negative	Negative	Negative
Positive Control ²			2831 ± 69.3
Positive Control ³		1993 ± 24.4	
Positive Control ⁶	1855 ± 52.6		

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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: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 80.0 ug/Plate 9-Aminoacridine

6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****