

Experiment Number: 881270

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Cycloheximide

CAS Number: 66-81-9

Date Report Requested: 09/16/2018

Time Report Requested: 19:33:42

NTP Study Number:

881270

Study Result:

Negative

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	141 ± 8.4	147 ± 17.7	155 ± 11.6	160 ± 13.0	127 ± 8.3
100.0	157 ± 4.9	132 ± 9.9	176 ± 1.0	157 ± 8.7	155 ± 13.4
333.0	155 ± 5.7	152 ± 13.6	140 ± 6.5	158 ± 2.0	153 ± 3.5
1000.0	141 ± 5.5	146 ± 6.8	129 ± 3.2	147 ± 3.6	159 ± 4.1
3333.0	145 ± 8.6	132 ± 3.1	142 ± 7.2	135 ± 5.6	142 ± 1.0
10000.0	133 ± 7.8	130 ± 6.8	142 ± 8.4	141 ± 6.6	150 ± 6.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					945 ± 12.0
Positive Control ³			457 ± 13.0		
Positive Control ⁴	421 ± 20.3	499 ± 40.8			
Positive Control ⁵				496 ± 20.4	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	147 ± 9.9
100.0	167 ± 6.0
333.0	161 ± 8.7
1000.0	160 ± 7.9
3333.0	146 ± 3.4
10000.0	142 ± 4.7
Trial Summary	Negative
Positive Control ²	
Positive Control ³	602 ± 24.1
Positive Control ⁴	
Positive Control ⁵	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	29 ± 1.7	29 ± 1.9	11 ± 4.4	13 ± 1.0	11 ± 1.2
100.0	29 ± 4.9	26 ± 0.7	10 ± 1.0	15 ± 0.9	13 ± 1.7
333.0	36 ± 2.7	26 ± 0.3	9 ± 1.5	12 ± 0.6	10 ± 1.2
1000.0	35 ± 3.5	26 ± 2.8	12 ± 1.5	14 ± 2.4	9 ± 1.5
3333.0	40 ± 2.7	32 ± 4.2	11 ± 0.3	17 ± 2.1	10 ± 0.6
10000.0	32 ± 2.8	35 ± 5.8	9 ± 2.4	13 ± 0.3	8 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					216 ± 9.7
Positive Control ⁴	479 ± 19.4	350 ± 3.2			
Positive Control ⁵			144 ± 9.7		
Positive Control ⁶				93 ± 3.5	

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	13 ± 0.6
100.0	15 ± 1.2
333.0	15 ± 0.7
1000.0	12 ± 2.1
3333.0	9 ± 0.6
10000.0	14 ± 2.9
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	434 ± 24.6
Positive Control ⁶	

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Test Compound: Cycloheximide
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Date Report Requested: 09/16/2018
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Strain: TA1537

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	16 ± 3.4	13 ± 1.7	16 ± 0.3
100.0	11 ± 3.9	13 ± 2.1	16 ± 2.6
333.0	10 ± 1.5	16 ± 1.9	13 ± 3.0
1000.0	10 ± 2.1	17 ± 2.0	15 ± 3.3
3333.0	14 ± 3.3	11 ± 2.4	14 ± 2.7
10000.0	9 ± 1.7	12 ± 2.0	12 ± 1.5
Trial Summary	Negative	Negative	Negative
Positive Control ³			55 ± 6.8
Positive Control ⁵		55 ± 3.2	
Positive Control ⁷	474 ± 36.1		

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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 ¹	172 ± 9.3	170 ± 8.1	183 ± 8.4	173 ± 13.6	171 ± 8.2
100.0	184 ± 6.5	166 ± 10.7	197 ± 4.2	162 ± 7.8	175 ± 12.3
333.0	180 ± 4.3	182 ± 5.5	190 ± 6.7	133 ± 10.7	186 ± 3.6
1000.0	178 ± 8.3	195 ± 5.7	197 ± 7.5	152 ± 3.3	197 ± 0.7
3333.0	190 ± 6.1	191 ± 7.8	198 ± 3.4	113 ± 9.7	185 ± 2.5
10000.0	165 ± 5.0	178 ± 3.2	198 ± 10.6	100 ± 0.9	173 ± 5.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					634 ± 13.5
Positive Control ³			441 ± 13.7		
Positive Control ⁵				399 ± 19.6	
Positive Control ⁷	699 ± 64.1	1328 ± 76.9			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	172 ± 0.7
100.0	178 ± 15.6
333.0	175 ± 6.2
1000.0	192 ± 8.4
3333.0	183 ± 8.1
10000.0	169 ± 3.1
Trial Summary	Negative
Positive Control ²	
Positive Control ³	358 ± 13.6
Positive Control ⁵	
Positive Control ⁷	

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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 ¹	22 ± 3.3	21 ± 3.2	30 ± 2.7	45 ± 1.7	29 ± 4.4
100.0	22 ± 2.6	22 ± 1.7	31 ± 3.4	43 ± 2.0	32 ± 0.7
333.0	21 ± 6.4	19 ± 1.2	32 ± 2.6	46 ± 5.5	30 ± 1.9
1000.0	22 ± 1.9	20 ± 3.6	25 ± 1.5	41 ± 1.5	25 ± 5.3
3333.0	28 ± 1.3	17 ± 0.3	31 ± 2.6	42 ± 1.5	22 ± 3.5
10000.0	22 ± 3.8	13 ± 2.5	30 ± 4.8	47 ± 6.4	24 ± 1.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					688 ± 17.6
Positive Control ³			263 ± 7.2	116 ± 6.4	
Positive Control ⁸	441 ± 22.0	431 ± 6.4			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	32 ± 2.8
100.0	32 ± 2.3
333.0	26 ± 2.2
1000.0	24 ± 0.9
3333.0	28 ± 8.2
10000.0	35 ± 4.2
Trial Summary	Negative
Positive Control ²	
Positive Control ³	363 ± 21.5
Positive Control ⁸	

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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: 0.5 ug/Plate 2-Aminoanthracene
- 3: 1.0 ug/Plate 2-Aminoanthracene
- 4: 1.0 ug/Plate Sodium Azide
- 5: 2.5 ug/Plate 2-Aminoanthracene
- 6: 5.0 ug/Plate 2-Aminoanthracene
- 7: 50.0 ug/Plate 9-Aminoacridine
- 8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

** END OF REPORT **