

Experiment Number: 633898

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

G06: Ames Summary Data

Test Compound: **Amphotericin B**

CAS Number: 1397-89-3

Date Report Requested: **09/10/2018**

Time Report Requested: **22:31:51**

NTP Study Number:

633898

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	135 ± 5.4	141 ± 7.1	136 ± 7.2	151 ± 9.0	154 ± 2.9
100.0	128 ± 14.0	157 ± 4.0	134 ± 8.1	154 ± 6.9	153 ± 17.7
333.0	126 ± 8.1	135 ± 10.4	141 ± 9.6	149 ± 12.0	136 ± 4.4
1000.0	100 ± 10.5	142 ± 13.4	137 ± 10.7	142 ± 9.1	148 ± 7.6
3333.0	125 ± 9.5 ^P	137 ± 8.7 ^P	127 ± 1.2 ^P	114 ± 8.5 ^P	155 ± 3.2 ^P
10000.0	119 ± 4.2 ^P	141 ± 8.1 ^P	130 ± 14.3 ^P	142 ± 5.5 ^P	135 ± 12.3 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					670 ± 24.0
Positive Control ³			350 ± 5.3		
Positive Control ⁴	421 ± 20.3	486 ± 11.3			
Positive Control ⁵				496 ± 20.4	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	146 ± 8.0
100.0	157 ± 13.9
333.0	148 ± 5.6
1000.0	139 ± 12.9
3333.0	149 ± 6.4 ^P
10000.0	134 ± 9.1 ^P
Trial Summary	Negative
Positive Control ²	
Positive Control ³	530 ± 22.9
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	39 ± 5.2	24 ± 4.5	10 ± 1.5	16 ± 1.8	12 ± 1.0
100.0	46 ± 2.3	20 ± 0.3	10 ± 1.3	14 ± 3.5	9 ± 1.5
333.0	30 ± 3.3	17 ± 2.5	7 ± 0.9	16 ± 0.3	9 ± 1.7
1000.0	36 ± 5.2	28 ± 1.5	14 ± 0.9	15 ± 3.0	9 ± 1.8
3333.0	42 ± 4.1 ^P	17 ± 3.7 ^P	7 ± 0.9 ^P	15 ± 1.5 ^P	6 ± 1.5 ^P
10000.0	32 ± 5.0 ^P	17 ± 0.6 ^P	7 ± 0.3 ^P	16 ± 1.8 ^P	9 ± 1.2 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					155 ± 5.5
Positive Control ⁴	600 ± 16.5	382 ± 15.2			
Positive Control ⁵			121 ± 3.6		
Positive Control ⁶				114 ± 1.5	

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	16 ± 2.9
100.0	15 ± 3.5
333.0	13 ± 0.9
1000.0	11 ± 4.5
3333.0	12 ± 1.2 ^P
10000.0	14 ± 1.7 ^P
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	335 ± 26.0
Positive Control ⁶	

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Test Compound: Amphotericin B
CAS Number: 1397-89-3

Date Report Requested: 09/10/2018
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Strain: TA1537

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	12 ± 2.6	13 ± 1.8	14 ± 1.7
100.0	13 ± 1.0	13 ± 2.0	15 ± 1.8
333.0	12 ± 2.5	14 ± 3.3	16 ± 1.5
1000.0	7 ± 0.6	13 ± 1.7	17 ± 2.2
3333.0	12 ± 1.5 ^P	13 ± 2.6 ^P	11 ± 2.8 ^P
10000.0	8 ± 1.5 ^P	12 ± 1.2 ^P	15 ± 3.5 ^P
Trial Summary	Negative	Negative	Negative
Positive Control ³			36 ± 2.5
Positive Control ⁵		52 ± 1.9	
Positive Control ⁷	901 ± 83.6		

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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	100 ± 0.3	179 ± 16.2	167 ± 5.8	181 ± 13.4	186 ± 6.7
100.0	122 ± 5.2	176 ± 6.2	179 ± 6.4	171 ± 7.2	204 ± 4.4
333.0	136 ± 5.7	192 ± 1.8	182 ± 8.1	162 ± 9.1	213 ± 6.4
1000.0	131 ± 7.3	193 ± 5.4	196 ± 3.8	160 ± 13.0	207 ± 9.4
3333.0	123 ± 3.5 ^p	179 ± 8.4 ^p	177 ± 7.5 ^p	181 ± 16.4 ^p	188 ± 3.5 ^p
10000.0	147 ± 14.9 ^p	157 ± 20.4 ^p	168 ± 10.0 ^p	209 ± 5.9 ^p	194 ± 6.6 ^p
Trial Summary	Equivocal	Negative	Negative	Negative	Negative
Positive Control ²					464 ± 31.8
Positive Control ³			313 ± 15.6		
Positive Control ⁵				450 ± 11.9	
Positive Control ⁷	475 ± 39.6	518 ± 44.2			

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Date Report Requested: 09/10/2018
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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	139 ± 8.1
100.0	133 ± 11.2
333.0	131 ± 2.9
1000.0	139 ± 10.7
3333.0	149 ± 4.5 ^P
10000.0	167 ± 7.4 ^P
Trial Summary	Negative
Positive Control ²	
Positive Control ³	444 ± 28.7
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	20 ± 2.7	15 ± 1.5	21 ± 3.5	32 ± 3.5	27 ± 0.3
100.0	16 ± 0.7	18 ± 3.8	21 ± 2.1	36 ± 2.1	28 ± 2.0
333.0	20 ± 2.3	16 ± 1.9	22 ± 2.5	31 ± 5.7	24 ± 2.7
1000.0	18 ± 2.8	15 ± 3.7	22 ± 2.9	29 ± 1.2	24 ± 2.5
3333.0	15 ± 0.9 ^p	13 ± 1.8 ^p	22 ± 2.0 ^p	28 ± 4.3 ^p	16 ± 3.0 ^p
10000.0	13 ± 2.0 ^p	20 ± 1.9 ^p	14 ± 4.0 ^p	32 ± 3.2 ^p	19 ± 2.2 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					597 ± 48.9
Positive Control ³			253 ± 24.6	138 ± 7.6	
Positive Control ⁸	441 ± 22.0	383 ± 8.1			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	32 ± 3.7
100.0	27 ± 2.8
333.0	29 ± 2.6
1000.0	28 ± 1.5
3333.0	22 ± 1.5 ^p
10000.0	29 ± 1.8 ^p
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

p: Precipitate

** END OF REPORT **