

Experiment Number: A57047

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Blue-green algae

CAS Number: ALGAEBLUEGRE

Date Report Requested: 09/17/2018

Time Report Requested: 08:33:42

NTP Study Number:

A57047

Study Result:

Negative

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Test Compound: Blue-green algae

CAS Number: ALGAEBLUEGRE

Date Report Requested: 09/17/2018

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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	100 ± 6.4	128 ± 12.7	118 ± 8.8	99 ± 3.2	134 ± 8.2
100.0	100 ± 6.9	112 ± 5.2	120 ± 7.7	108 ± 3.8	111 ± 4.1
333.0	104 ± 11.7	113 ± 2.3	107 ± 6.6	103 ± 10.6	112 ± 5.7
1000.0	100 ± 9.6 ^P	109 ± 6.4 ^P	109 ± 3.0 ^P	111 ± 7.2 ^P	103 ± 7.1 ^P
3333.0	99 ± 6.9 ^P	110 ± 1.9 ^P	109 ± 9.2 ^P	113 ± 4.2 ^P	113 ± 7.8 ^P
10000.0	96 ± 5.4 ^P	117 ± 2.9 ^P	123 ± 2.4 ^P	113 ± 7.2 ^P	112 ± 1.9 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1314 ± 91.0
Positive Control ³			1027 ± 55.5		
Positive Control ⁴	1036 ± 28.0	1554 ± 277.2			
Positive Control ⁵				766 ± 50.5	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	102 ± 6.2
100.0	102 ± 6.7
333.0	99 ± 9.3
1000.0	108 ± 3.2 ^P
3333.0	102 ± 3.5 ^P
10000.0	98 ± 5.2 ^P
Trial Summary	Negative
Positive Control ²	
Positive Control ³	1465 ± 88.9
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	28 ± 1.9	16 ± 4.4	8 ± 0.6	14 ± 0.6	15 ± 1.8
100.0	28 ± 0.9	17 ± 4.4	11 ± 1.8	11 ± 2.3	13 ± 1.5
333.0	31 ± 3.6	18 ± 1.2	10 ± 3.0	15 ± 1.5	14 ± 1.9
1000.0	27 ± 1.9 ^P	16 ± 1.8 ^P	13 ± 3.6 ^P	14 ± 1.2 ^P	12 ± 2.3 ^P
3333.0	28 ± 1.0 ^P	17 ± 2.1 ^P	14 ± 3.2 ^P	15 ± 2.3 ^P	13 ± 2.0 ^P
10000.0	29 ± 0.9 ^P	22 ± 2.5 ^P	13 ± 1.5 ^P	15 ± 2.0 ^P	14 ± 2.0 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					265 ± 8.6
Positive Control ⁴	1234 ± 21.1	1029 ± 34.9			
Positive Control ⁵			315 ± 19.4		
Positive Control ⁶				400 ± 14.2	

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Date Report Requested: 09/17/2018
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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	15 ± 1.7
100.0	11 ± 2.3
333.0	13 ± 4.1
1000.0	13 ± 0.7 ^P
3333.0	13 ± 3.2 ^P
10000.0	16 ± 0.7 ^P
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	475 ± 36.1
Positive Control ⁶	

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Date Report Requested: 09/17/2018

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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	103 ± 8.3	131 ± 11.3	111 ± 6.8	104 ± 6.8	131 ± 5.7
100.0	112 ± 9.0	113 ± 5.4	109 ± 7.5	139 ± 3.2	117 ± 4.3
333.0	130 ± 6.1	108 ± 8.7	100 ± 5.2	132 ± 3.6	100 ± 2.5
1000.0	135 ± 10.1 ^P	102 ± 8.7 ^P	97 ± 13.3 ^P	135 ± 4.4 ^P	111 ± 2.3 ^P
3333.0	125 ± 6.4 ^P	115 ± 6.1 ^P	102 ± 7.9 ^P	114 ± 12.8 ^P	114 ± 4.6 ^P
10000.0	121 ± 5.7 ^P	121 ± 7.8 ^P	112 ± 13.5 ^P	108 ± 10.8 ^P	113 ± 5.2 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					687 ± 32.5
Positive Control ³			525 ± 31.0		
Positive Control ⁵				755 ± 30.9	
Positive Control ⁷	541 ± 9.5	666 ± 29.7			

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Date Report Requested: 09/17/2018
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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	121 ± 15.4
100.0	122 ± 1.8
333.0	113 ± 5.8
1000.0	112 ± 2.9 ^p
3333.0	116 ± 5.5 ^p
10000.0	103 ± 1.9 ^p
Trial Summary	Negative
Positive Control ²	
Positive Control ³	751 ± 20.3
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	26 ± 3.8	30 ± 3.5	34 ± 2.5	26 ± 4.7	32 ± 5.6
100.0	29 ± 1.9	32 ± 3.2	35 ± 1.8	25 ± 3.7	35 ± 3.0
333.0	25 ± 4.0	31 ± 2.8	34 ± 2.8	22 ± 0.3	37 ± 2.6
1000.0	19 ± 1.9 ^P	27 ± 2.5 ^P	37 ± 0.6 ^P	23 ± 2.7 ^P	40 ± 3.5 ^P
3333.0	22 ± 2.9 ^P	21 ± 4.9 ^P	38 ± 6.2 ^P	22 ± 1.2 ^P	32 ± 4.6 ^P
10000.0	18 ± 1.7 ^P	31 ± 4.5 ^P	34 ± 0.7 ^P	25 ± 1.2 ^P	40 ± 4.2 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1060 ± 1.7
Positive Control ³			823 ± 27.2		
Positive Control ⁸	775 ± 21.0	672 ± 39.1			
Positive Control ⁵				1166 ± 63.2	

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	32 ± 0.7
100.0	31 ± 5.1
333.0	22 ± 1.9
1000.0	27 ± 4.9 ^P
3333.0	32 ± 2.2 ^P
10000.0	30 ± 2.5 ^P
Trial Summary	Negative
Positive Control ²	
Positive Control ³	1529 ± 31.3
Positive Control ⁸	
Positive Control ⁵	

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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 2-Aminoanthracene
- 3: 2.0 ug/Plate 2-Aminoanthracene
- 4: 5.0 ug/Plate Sodium Azide
- 5: 5.0 ug/Plate 2-Aminoanthracene
- 6: 10.0 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 ****