

Experiment Number: **A62641**

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: **09:22:32**

NTP Study Number:

A62641

Study Result:

Negative

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Strain: TA100				
Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	56 ± 11.3	42 ± 1.5	65 ± 6.7	71 ± 2.0
100.0	52 ± 1.2	44 ± 2.6	66 ± 9.5	73 ± 7.8
500.0	70 ± 4.1	52 ± 5.0	70 ± 4.3	74 ± 9.2
1000.0	67 ± 1.5	55 ± 8.7	66 ± 6.9	67 ± 3.8
5000.0	55 ± 3.2	57 ± 6.7	63 ± 4.8	80 ± 1.5
10000.0	45 ± 3.0 ^p	55 ± 3.8 ^p	75 ± 6.9 ^p	112 ± 9.5
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	448 ± 0.9	378 ± 5.2		
Positive Control ³			481 ± 13.9	598 ± 18.2

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Strain: TA98				
Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	24 ± 1.2	16 ± 2.9	20 ± 0.7	25 ± 2.2
100.0	16 ± 1.7	13 ± 1.5	17 ± 0.6	17 ± 1.5
500.0	24 ± 4.0	12 ± 0.0	22 ± 1.2	27 ± 1.0
1000.0	17 ± 2.6	11 ± 2.1	22 ± 2.4	21 ± 2.0
5000.0	16 ± 3.8	17 ± 3.7	26 ± 2.9	33 ± 0.7
10000.0	19 ± 2.2 ^p	27 ± 1.2 ^p	22 ± 0.9 ^p	34 ± 2.3
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ³			741 ± 41.4	649 ± 49.0
Positive Control ⁴	316 ± 27.3	570 ± 13.0		

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Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	225 ± 24.8	137 ± 3.8	253 ± 22.9	151 ± 10.3
100.0	201 ± 5.8	182 ± 7.3	241 ± 6.7	182 ± 13.6
500.0	206 ± 14.7	183 ± 6.4	231 ± 1.0	181 ± 7.2
1000.0	222 ± 18.5	159 ± 4.4	246 ± 19.6	168 ± 3.5
5000.0	243 ± 9.2	183 ± 6.1	252 ± 3.7	215 ± 14.2
10000.0	333 ± 4.6	219 ± 17.8 ^p	314 ± 19.1	259 ± 11.7
Trial Summary	Negative	Negative	Negative	Equivocal
Positive Control ⁵	623 ± 19.2			
Positive Control ⁶			659 ± 23.1	571 ± 30.4
Positive Control ⁷		1065 ± 24.1		

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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 Sodium Azide

3: 2.5 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate 2-Nitrofluorene

5: 20.0 ug/Plate Methyl Methane Sulfonate

6: 20.0 ug/Plate 2-Aminoanthracene

7: 4000.0 ug/Plate Methyl Methane Sulfonate

p: Precipitate

**** END OF REPORT ****