

Experiment Number: A43286

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

G06: Ames Summary Data

Test Compound: **Green Tea Extract**

CAS Number: **GREENTEAEXTR**

Date Report Requested: **09/17/2018**

Time Report Requested: **00:32:10**

NTP Study Number:

A43286

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% Rat S9
Vehicle Control ¹	65 ± 9.2	39 ± 3.2	51 ± 5.2	69 ± 12.6	73 ± 3.8
50.0	51 ± 1.5	54 ± 2.4	97 ± 8.5	72 ± 2.7	72 ± 9.9
100.0	62 ± 7.6	63 ± 7.1	105 ± 7.8	67 ± 4.8	73 ± 9.0
500.0	64 ± 7.3	55 ± 1.0	108 ± 5.3	124 ± 18.9	70 ± 7.2
1000.0	45 ± 3.7	45 ± 3.6	149 ± 6.7	120 ± 7.2	47 ± 3.2
2000.0	28 ± 5.8	7 ± 2.3	130 ± 10.5	126 ± 2.4	121 ± 4.8
Trial Summary	Negative	Negative	Positive	Equivocal	Equivocal
Positive Control ²	459 ± 4.9	617 ± 26.5			
Positive Control ³			768 ± 36.1	670 ± 88.1	740 ± 77.6

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	32 ± 2.5	24 ± 1.3	26 ± 2.5	27 ± 0.7
50.0	36 ± 1.9	26 ± 4.3	31 ± 4.6	36 ± 1.7
100.0	31 ± 5.2	24 ± 0.7	38 ± 2.3	40 ± 1.8
500.0	34 ± 2.1	45 ± 4.8	67 ± 4.6	84 ± 4.3
1000.0	30 ± 1.3	34 ± 1.2	63 ± 8.1	115 ± 4.1
2000.0	23 ± 6.2	27 ± 2.7	66 ± 6.4	119 ± 8.3
Trial Summary	Negative	Negative	Positive	Positive
Positive Control ³			840 ± 81.0	649 ± 49.0
Positive Control ⁴	413 ± 13.9	429 ± 11.0		

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Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	208 ± 6.0	135 ± 5.5	153 ± 10.7	220 ± 14.3	180 ± 4.9
10.0	220 ± 6.2	142 ± 7.2	148 ± 3.2	217 ± 3.5	183 ± 10.9
50.0	206 ± 4.9	147 ± 15.5	147 ± 10.7	221 ± 11.5	220 ± 24.6
100.0	211 ± 8.4	133 ± 4.3	158 ± 6.0	271 ± 27.1	174 ± 1.5
500.0	146 ± 11.1	Toxic	116 ± 11.6	153 ± 8.7	130 ± 8.4
1000.0	75 ± 19.6 ^s	Toxic	46 ± 3.5	95 ± 4.4	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁵				789 ± 19.3	821 ± 28.0
Positive Control ⁶	724 ± 12.3	804 ± 31.0	1101 ± 54.8		

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Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	With 10% Rat S9
Vehicle Control ¹	149 ± 12.0
10.0	166 ± 9.4
50.0	178 ± 5.7
100.0	177 ± 8.6
500.0	130 ± 5.9
1000.0	53 ± 11.8
Trial Summary	Negative
Positive Control ⁵	734 ± 6.9
Positive Control 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: Water

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 2-Aminoanthracene

6: 4000.0 ug/Plate Methyl Methane Sulfonate

s: Slight Toxicity

**** END OF REPORT ****