

Experiment Number: **G99067E**

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

G06: Ames Summary Data

Test Compound: **Echinacea Purpurea Extract**

CAS Number: **90028-20-9**

Date Report Requested: **09/16/2018**

Time Report Requested: **11:55:37**

NTP Study Number:

G99067E

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	69 ± 8.1	67 ± 6.7	99 ± 8.5	80 ± 4.8
250.0	93 ± 3.5	69 ± 5.5	96 ± 8.2	78 ± 6.6
500.0	74 ± 9.8	75 ± 4.1	86 ± 5.0	98 ± 8.2
750.0	85 ± 3.7	75 ± 15.1	101 ± 4.0	86 ± 5.7
1500.0	67 ± 5.2	74 ± 10.5	107 ± 13.6	89 ± 5.5
3000.0	84 ± 4.7	69 ± 8.4	93 ± 3.8	104 ± 8.4
6000.0	107 ± 0.9	86 ± 6.9	103 ± 0.6	104 ± 10.7
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	756 ± 62.7	559 ± 48.9		
Positive Control ³			489 ± 41.5	467 ± 7.9

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	29 ± 1.2	13 ± 4.2	29 ± 2.5	20 ± 2.3
250.0	33 ± 7.0	22 ± 0.3	30 ± 3.2	20 ± 1.8
500.0	24 ± 3.8	15 ± 0.6	26 ± 1.9	18 ± 2.1
750.0	26 ± 5.3	16 ± 0.0	23 ± 2.7	21 ± 3.7
1500.0	30 ± 7.9	21 ± 3.2	26 ± 2.0	18 ± 1.5
3000.0	28 ± 4.5	19 ± 1.2	32 ± 9.0	18 ± 4.1
6000.0	31 ± 6.4	18 ± 2.4	28 ± 2.3	20 ± 2.7
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁴			488 ± 6.9	485 ± 25.0
Positive Control ⁵	738 ± 47.1	544 ± 24.7		

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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	149 ± 13.0	170 ± 1.2	166 ± 21.2	186 ± 6.2
250.0	155 ± 9.4	109 ± 2.3	193 ± 7.0	170 ± 13.7
500.0	138 ± 6.7	133 ± 13.4	214 ± 8.4	182 ± 10.7
750.0	153 ± 10.3	162 ± 7.6	198 ± 2.3	185 ± 4.7
1500.0	151 ± 7.1	178 ± 15.9	205 ± 8.3	181 ± 2.8
3000.0	182 ± 8.7	199 ± 1.5	197 ± 15.3	178 ± 15.4
6000.0	171 ± 6.0	134 ± 30.3	212 ± 22.0	182 ± 6.1
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁶	2625 ± 56.7	2032 ± 244.0		
Positive Control ⁷			1068 ± 67.6	1009 ± 38.7

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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: 2.0 ug/Plate Other Positive Control

4: 2.0 ug/Plate 2-Aminoanthracene

5: 3.0 ug/Plate 2-Nitrofluorene

6: 0.25 ug/Plate Other Positive Control

7: 20.0 ug/Plate 2-Aminoanthracene

**** END OF REPORT ****