

Experiment Number: **G99067**

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: **11:41:09**

NTP Study Number:

G99067

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	63 ± 6.0	79 ± 4.9	77 ± 3.0	84 ± 7.2
250.0	63 ± 4.3	75 ± 3.2	72 ± 5.1	73 ± 2.3
500.0	73 ± 2.3	63 ± 1.2	75 ± 3.9	73 ± 1.9
750.0	77 ± 8.0	74 ± 3.3	75 ± 2.3	93 ± 8.7
1500.0	71 ± 6.1	73 ± 3.1	78 ± 4.3	83 ± 3.1
3000.0	66 ± 4.7	75 ± 2.3	77 ± 9.7	76 ± 3.3
6000.0	71 ± 3.6	83 ± 14.8	77 ± 3.2	97 ± 7.7
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	644 ± 34.2	659 ± 22.3		
Positive Control ³			563 ± 23.7	520 ± 20.8

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	13 ± 2.5	14 ± 2.2	15 ± 3.5	21 ± 1.2
250.0	18 ± 1.8	13 ± 3.2	15 ± 0.9	21 ± 1.3
500.0	11 ± 1.5	15 ± 2.3	16 ± 3.3	19 ± 2.5
750.0	14 ± 1.9	13 ± 1.7	15 ± 3.9	18 ± 3.8
1500.0	15 ± 0.6	14 ± 0.9	18 ± 3.2	22 ± 3.9
3000.0	11 ± 2.0	19 ± 0.3	17 ± 0.7	19 ± 1.7
6000.0	15 ± 2.5	16 ± 2.4	14 ± 2.6	16 ± 2.5
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁴		590 ± 7.5		
Positive Control ⁵			1412 ± 49.1	1933 ± 107.6
Positive Control ⁶	568 ± 61.8			

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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	95 ± 7.2	185 ± 10.1	138 ± 9.2	180 ± 14.0
250.0	88 ± 1.5	152 ± 7.3	133 ± 5.5	175 ± 26.2
500.0	101 ± 2.9	154 ± 8.6	124 ± 3.0	190 ± 6.1
750.0	96 ± 2.9	178 ± 8.1	136 ± 14.2	177 ± 12.0
1500.0	94 ± 10.8	176 ± 10.9	132 ± 8.7	203 ± 12.3
3000.0	102 ± 0.0	174 ± 16.4	136 ± 5.5	223 ± 11.6
6000.0	109 ± 5.5	183 ± 8.8	138 ± 7.5	211 ± 5.0
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁷	2764 ± 106.8	2199 ± 91.9		
Positive Control ⁸			967 ± 19.6	927 ± 117.8

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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: 1.0 ug/Plate Sodium Azide

3: 2.0 ug/Plate Other Positive Control

4: 2.0 ug/Plate 2-Nitrofluorene

5: 2.0 ug/Plate 2-Aminoanthracene

6: 3.0 ug/Plate 2-Nitrofluorene

7: 0.25 ug/Plate Other Positive Control

8: 20.0 ug/Plate 2-Aminoanthracene

**** END OF REPORT ****