

Experiment Number: **G99067H**

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: **12:10:15**

NTP Study Number:

G99067H

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	95 ± 4.7	81 ± 11.5	91 ± 7.2	104 ± 0.6
500.0	94 ± 7.0	104 ± 12.5	81 ± 9.6	99 ± 6.8
750.0	83 ± 2.8	101 ± 7.3	98 ± 1.5	93 ± 7.8
1000.0	105 ± 2.6	96 ± 4.6	77 ± 5.8	104 ± 4.2
2000.0	99 ± 1.9	109 ± 14.1	99 ± 5.6	87 ± 8.8
4000.0	88 ± 5.8	86 ± 5.0	102 ± 9.8	111 ± 7.9
6000.0	92 ± 3.1	93 ± 6.7	94 ± 1.5	106 ± 8.7
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	719 ± 7.0	656 ± 58.8		
Positive Control ³			472 ± 12.3	564 ± 35.8

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	25 ± 2.3	18 ± 2.3	25 ± 2.3	27 ± 3.2
500.0	19 ± 0.3	16 ± 2.5	23 ± 3.8	30 ± 0.6
750.0	21 ± 2.5	27 ± 5.7	28 ± 2.1	31 ± 2.3
1000.0	18 ± 1.5	22 ± 4.9	27 ± 4.3	34 ± 3.2
2000.0	21 ± 3.2	26 ± 5.2	29 ± 4.4	41 ± 4.3
4000.0	26 ± 3.2	24 ± 1.0	32 ± 0.9	27 ± 12.3
6000.0	23 ± 0.9	39 ± 4.7	26 ± 2.3	30 ± 5.0
Trial Summary	Negative	Equivocal	Negative	Negative
Positive Control ⁴			1326 ± 155.1	1312 ± 144.3
Positive Control ⁵	1336 ± 131.6	770 ± 20.1		

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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	150 ± 8.4	184 ± 16.5	175 ± 5.5	174 ± 8.2
500.0	163 ± 10.1	182 ± 6.3	178 ± 2.0	204 ± 26.6
750.0	171 ± 10.8	145 ± 15.6	172 ± 2.9	194 ± 4.2
1000.0	178 ± 15.9	157 ± 12.5	199 ± 6.7	209 ± 13.7
2000.0	179 ± 5.7	171 ± 10.4	190 ± 3.6	200 ± 27.8
4000.0	157 ± 14.8	197 ± 17.6	172 ± 14.1	205 ± 4.3
6000.0	155 ± 6.1	205 ± 22.0	180 ± 5.4	214 ± 10.3
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁶	2592 ± 114.5	2509 ± 211.2		
Positive Control ⁷			1063 ± 61.3	1127 ± 2.2

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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: Distilled Water

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 ****