

Experiment Number: **G99067HIR**

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: **12:13:51**

NTP Study Number:

G99067HIR

Study Result:

Negative

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Strain: TA100		
Dose (ug/Plate)	Without S9	With 10% Rat S9
Vehicle Control ¹	70 ± 1.0	67 ± 3.2
500.0	75 ± 5.0	80 ± 8.4
750.0	82 ± 2.5	84 ± 7.5
1000.0	82 ± 2.9	75 ± 2.2
2000.0	72 ± 5.6	69 ± 4.8
4000.0	87 ± 1.2	79 ± 4.5
6000.0	83 ± 1.5	84 ± 10.7
Trial Summary	Negative	Negative
Positive Control ²	511 ± 17.9	
Positive Control ³		501 ± 27.7

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Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9
Vehicle Control ¹	17 ± 2.6	23 ± 3.4
500.0	19 ± 1.7	20 ± 3.3
750.0	16 ± 2.8	23 ± 1.5
1000.0	15 ± 0.9	23 ± 3.1
2000.0	18 ± 4.4	17 ± 3.7
4000.0	16 ± 1.0	22 ± 0.7
6000.0	18 ± 2.4	25 ± 1.0
Trial Summary	Negative	Negative
Positive Control ⁴		1332 ± 66.9
Positive Control ⁵	499 ± 45.4	

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Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	With 10% Rat S9
Vehicle Control ¹	127 ± 8.6	127 ± 4.6
500.0	127 ± 8.0	148 ± 8.5
750.0	133 ± 6.1	155 ± 5.7
1000.0	131 ± 7.3	140 ± 2.5
2000.0	131 ± 2.3	141 ± 9.5
4000.0	126 ± 27.0	144 ± 4.4
6000.0	115 ± 4.2	162 ± 5.2
Trial Summary	Negative	Negative
Positive Control ⁶	1552 ± 62.4	
Positive Control ⁷		881 ± 68.5

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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 ****