

Experiment Number: **G99067IR**

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: **12:17:31**

NTP Study Number:

G99067IR

Study Result:

Negative

Experiment Number: G990671R
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CAS Number: 90028-20-9

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Strain: TA100

Dose (ug/Plate)	Without S9	With 10% Rat S9
Vehicle Control ¹	82 ± 4.1	85 ± 6.4
250.0	79 ± 16.0	78 ± 5.3
500.0	81 ± 3.2	85 ± 2.0
750.0	75 ± 4.2	89 ± 8.4
1500.0	81 ± 1.9	Toxic
3000.0	81 ± 4.5	80 ± 5.1
6000.0	82 ± 2.3	86 ± 1.5
Trial Summary	Negative	Negative
Positive Control ²	489 ± 29.4	
Positive Control ³		735 ± 15.2

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Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9
Vehicle Control ¹	19 ± 2.0	23 ± 4.3
250.0	26 ± 4.3	25 ± 2.8
500.0	21 ± 3.5	21 ± 3.0
750.0	17 ± 3.2	23 ± 1.5
1500.0	25 ± 3.5	33 ± 1.2
3000.0	20 ± 2.2	25 ± 5.0
6000.0	20 ± 1.0	17 ± 3.3
Trial Summary	Negative	Negative
Positive Control ⁴		1291 ± 58.8
Positive Control ⁵	322 ± 29.1	

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Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	With 10% Rat S9
Vehicle Control ¹	109 ± 7.0	131 ± 3.1
250.0	121 ± 9.5	150 ± 5.0
500.0	119 ± 9.1	138 ± 5.8
750.0	127 ± 2.6	142 ± 10.4
1500.0	124 ± 2.0	146 ± 10.4
3000.0	138 ± 4.0	118 ± 2.6
6000.0	147 ± 6.1	129 ± 2.8
Trial Summary	Negative	Negative
Positive Control ⁶	1718 ± 76.6	
Positive Control ⁷		1023 ± 47.2

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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: 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 ****