

Experiment Number: **A91354**

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

**G06: Ames Summary Data**

Test Compound: **Licorice extract**

CAS Number: **68916-91-6**

Date Report Requested: **09/15/2018**

Time Report Requested: **12:04:09**

**NTP Study Number:**

A91354

**Study Result:**

Negative

Experiment Number: A91354

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: Licorice extract

CAS Number: 68916-91-6

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## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	76 ± 12.1	75 ± 10.5	62 ± 6.8	264 ± 3.5	75 ± 8.8
1000.0	74 ± 5.8	66 ± 2.8	78 ± 7.7	293 ± 2.1	84 ± 5.8
2500.0	58 ± 0.6	72 ± 4.9	77 ± 7.9	296 ± 9.0	85 ± 2.7
5000.0	75 ± 4.1	65 ± 3.1	64 ± 6.4	254 ± 3.8	87 ± 0.9
7500.0	79 ± 8.2	50 ± 0.3	64 ± 5.9	234 ± 14.2	85 ± 2.4
10000.0	37 ± 5.4	49 ± 3.8	74 ± 3.2	234 ± 8.9	82 ± 2.8
Trial Summary	Negative	Negative	Negative	No Call	Negative
Positive Control <sup>2</sup>	499 ± 40.2	475 ± 18.8			
Positive Control <sup>3</sup>			385 ± 18.8		679 ± 30.1
Positive Control <sup>4</sup>				907 ± 23.4	

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**Strain: TA98**

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<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Rat S9</b>
Vehicle Control <sup>1</sup>	37 ± 1.2	36 ± 0.3	30 ± 0.9	33 ± 1.2
1000.0	43 ± 2.7	26 ± 3.0	49 ± 3.2	34 ± 1.9
2500.0	45 ± 0.3	30 ± 1.7	36 ± 3.3	43 ± 4.4
5000.0	44 ± 1.5	32 ± 1.2	34 ± 6.2	37 ± 5.5
7500.0	55 ± 1.7	24 ± 1.9	33 ± 2.6	44 ± 2.9
10000.0	34 ± 5.0	22 ± 0.9	60 ± 4.7	34 ± 2.6
Trial Summary	Negative	Negative	Equivocal	Negative
Positive Control <sup>3</sup>			459 ± 29.9	855 ± 22.6
Positive Control <sup>5</sup>	448 ± 5.5	473 ± 31.3		

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Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	206 ± 12.9	218 ± 28.8	243 ± 8.4
1000.0	195 ± 9.3	277 ± 18.9	244 ± 5.0
2500.0	224 ± 6.8	276 ± 4.2	268 ± 11.0
5000.0	241 ± 5.3	271 ± 18.9	293 ± 2.3
7500.0	250 ± 9.5	300 ± 13.9	301 ± 5.5
10000.0	227 ± 7.0	241 ± 12.9	296 ± 12.4
Trial Summary	Negative	Negative	Negative
Positive Control <sup>4</sup>			914 ± 66.2
Positive Control <sup>6</sup>	1770 ± 112.8	2034 ± 95.5	

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#### LEGEND

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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: 2.5 ug/Plate 2-Aminoanthracene
- 4: 20.0 ug/Plate 2-Aminoanthracene
- 5: 5.0 ug/Plate 2-Nitrofluorene
- 6: 4000.0 ug/Plate Methyl Methane Sulfonate

\*\* END OF REPORT \*\*