

Experiment Number: A72844

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Dong quai

CAS Number: DONGQUAI

Date Report Requested: 09/18/2018

Time Report Requested: 10:24:24

NTP Study Number:

A72844

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	79 ± 10.0	65 ± 1.8	72 ± 0.7	75 ± 8.5
1000.0	Toxic	51 ± 3.5	84 ± 4.3	66 ± 1.5
2500.0	Toxic	55 ± 2.4	100 ± 6.6	74 ± 5.4
5000.0	Toxic	52 ± 0.9	Toxic	83 ± 2.0
7500.0	Toxic	50 ± 0.6	Toxic	65 ± 1.7
10000.0	Toxic	51 ± 1.9	Toxic	61 ± 1.8
Trial Summary	Negative	Negative	Equivocal	Negative
Positive Control ²	382 ± 23.3	475 ± 18.8		
Positive Control ³			1283 ± 71.5	679 ± 30.1

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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 ± 1.0	22 ± 2.8	28 ± 3.8	33 ± 1.2
1000.0	Toxic	22 ± 2.4	Toxic	25 ± 0.9
2500.0	Toxic	21 ± 0.3	Toxic	17 ± 0.9
5000.0	Toxic	21 ± 1.3	Toxic	15 ± 1.2
7500.0	Toxic	22 ± 0.7	Toxic	13 ± 2.4
10000.0	Toxic	22 ± 1.9	Toxic	12 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ³			1295 ± 84.0	855 ± 22.6
Positive Control ⁴	484 ± 41.2	473 ± 31.3		

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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	148 ± 4.3	172 ± 1.3	167 ± 13.2	178 ± 7.9
1000.0	154 ± 6.8	183 ± 4.2	Toxic	188 ± 5.5
2500.0	162 ± 5.1	168 ± 9.7	Toxic	222 ± 8.8
5000.0	Toxic	171 ± 6.1	Toxic	197 ± 7.8
7500.0	Toxic	168 ± 5.7	Toxic	184 ± 3.8
10000.0	Toxic	169 ± 3.2	Toxic	186 ± 2.6
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁵			1208 ± 47.7	907 ± 23.4
Positive Control ⁶	2083 ± 132.9	1473 ± 25.8		

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

** END OF REPORT **