

Experiment Number: **G93058**

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

G06: Ames Summary Data

Test Compound: **Tetralin**

CAS Number: **119-64-2**

Date Report Requested: **09/16/2018**

Time Report Requested: **11:19:17**

NTP Study Number:

G93058

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	89 ± 6.0	85 ± 11.0	90 ± 4.4	88 ± 5.5
2.0	126 ± 11.0	94 ± 4.4		
5.0	115 ± 9.8	90 ± 7.1	108 ± 3.7	112 ± 3.2
10.0	119 ± 3.3	86 ± 7.4	95 ± 4.7	92 ± 6.0
20.0	108 ± 4.5	97 ± 5.7	111 ± 4.4	91 ± 3.8
50.0	96 ± 2.1	78 ± 8.1	82 ± 0.7	94 ± 5.6
200.0	Toxic	Toxic	88 ± 1.9	67 ± 13.8
500.0			Toxic	23 ± 12.1
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	1014 ± 26.2	625 ± 18.1		
Positive Control ³			3823 ± 46.9	3125 ± 90.4

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	26 ± 2.0	23 ± 4.1	25 ± 2.0	23 ± 3.2
2.0	23 ± 1.2	14 ± 1.3		
5.0	24 ± 2.3	19 ± 5.2	30 ± 4.1	33 ± 3.5
10.0	22 ± 1.2	21 ± 2.8	32 ± 1.5	35 ± 4.2
20.0	24 ± 2.6	23 ± 0.3	26 ± 5.4	31 ± 2.0
50.0	19 ± 2.2	22 ± 3.6	28 ± 5.6	26 ± 3.3
200.0	31 ± 1.5	Toxic	28 ± 3.5	25 ± 2.4
500.0			Toxic	Toxic
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁴			1622 ± 139.2	1474 ± 63.7
Positive Control ⁵	951 ± 17.6	697 ± 14.5		

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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	130 ± 2.0	133 ± 11.5	157 ± 9.3	152 ± 14.8
2.0	131 ± 9.0	155 ± 11.3		
5.0	127 ± 5.2	123 ± 5.3	149 ± 10.6	159 ± 7.4
10.0	120 ± 8.3	141 ± 0.9	157 ± 8.6	150 ± 4.5
20.0	122 ± 4.9	138 ± 2.0	142 ± 3.8	140 ± 8.8
50.0	98 ± 8.7	106 ± 1.9	150 ± 6.2	149 ± 4.3
200.0	Toxic	16 ± 7.0	128 ± 3.4	142 ± 5.4
500.0			Toxic	86 ± 17.9
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁶			1108 ± 123.4	1215 ± 53.7
Positive Control ⁷	998 ± 32.1	1008 ± 107.4		

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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: 5.0 ug/Plate 2-Aminoanthracene
- 4: 2.0 ug/Plate 2-Aminoanthracene
- 5: 3.0 ug/Plate 2-Nitrofluorene
- 6: 20.0 ug/Plate 2-Aminoanthracene
- 7: 100.0 ug/Plate Methyl Methane Sulfonate

**** END OF REPORT ****