

Experiment Number: A80302

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

G06: Ames Summary Data

Test Compound: **beta-Picoline**

CAS Number: **108-99-6**

Date Report Requested: **09/18/2018**

Time Report Requested: **10:31:28**

NTP Study Number:

A80302

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	84 ± 3.6	76 ± 4.1	89 ± 2.8	92 ± 8.2
1000.0	82 ± 2.3	76 ± 2.6	79 ± 3.6	99 ± 3.2
2500.0	84 ± 4.7	74 ± 4.0	84 ± 0.3	91 ± 7.8
5000.0	75 ± 4.4	71 ± 5.5	74 ± 2.6	83 ± 5.0
7500.0	72 ± 4.6	63 ± 6.9	68 ± 2.1	69 ± 5.2
10000.0	68 ± 1.5	64 ± 6.4	68 ± 3.5	62 ± 0.7
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	416 ± 24.3	380 ± 37.2		
Positive Control ³			899 ± 29.1	1141 ± 30.9

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	17 ± 4.1	18 ± 0.6	37 ± 0.6	30 ± 2.3
1000.0	21 ± 1.5	18 ± 1.8	28 ± 1.2	30 ± 3.2
2500.0	21 ± 1.5	14 ± 0.3	27 ± 1.0	30 ± 5.5
5000.0	19 ± 0.3	13 ± 1.9	29 ± 3.8	21 ± 2.3
7500.0	17 ± 2.4	12 ± 0.3	22 ± 3.4	18 ± 2.8
10000.0	14 ± 2.0	10 ± 0.9	15 ± 0.9	12 ± 2.2
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ³			1164 ± 37.2	1258 ± 27.6
Positive Control ⁴	604 ± 45.7	512 ± 24.0		

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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	211 ± 3.2	272 ± 12.2	236 ± 1.2	312 ± 18.4
100.0	270 ± 19.5	291 ± 21.2	291 ± 2.9	345 ± 13.2
500.0	297 ± 10.8	310 ± 23.4	269 ± 21.2	342 ± 7.3
1500.0	201 ± 20.2	275 ± 15.7	218 ± 11.1	254 ± 0.7
3000.0	65 ± 6.6	73 ± 7.5	32 ± 1.0	20 ± 0.6
5000.0	50 ± 2.5	53 ± 0.9	10 ± 0.3	7 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁵			1010 ± 30.9	1064 ± 32.9
Positive Control ⁶	1711 ± 61.9	1880 ± 60.5		

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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: Water

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 **