

Experiment Number: A75013

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

G06: Ames Summary Data

Test Compound: **Ionic Liquid: N-Butylpyridinium Chloride**

CAS Number: 1124-64-7

Date Report Requested: **09/17/2018**

Time Report Requested: **19:13:39**

NTP Study Number:

A75013

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	88 ± 3.5	104 ± 5.6	70 ± 6.5	104 ± 7.2
1000.0	83 ± 7.0	104 ± 4.9	86 ± 1.5	99 ± 3.5
2500.0	105 ± 1.8	88 ± 7.0	89 ± 4.4	103 ± 2.6
5000.0	84 ± 5.4	98 ± 9.4	91 ± 1.2	109 ± 5.0
7500.0	86 ± 13.3	80 ± 2.2	95 ± 2.2	106 ± 0.7
10000.0	63 ± 9.0	69 ± 10.8	89 ± 4.2	153 ± 25.5
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	445 ± 32.3	374 ± 76.5		
Positive Control ³			1399 ± 55.7	1682 ± 73.5

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	22 ± 1.7	20 ± 2.2	36 ± 3.1	27 ± 1.2
1000.0	18 ± 2.0	24 ± 3.1	30 ± 3.6	32 ± 1.2
2500.0	25 ± 1.7	17 ± 2.6	27 ± 3.8	28 ± 3.3
5000.0	17 ± 3.7	16 ± 0.9	24 ± 2.8	28 ± 5.8
7500.0	22 ± 2.3	12 ± 2.3	28 ± 2.8	23 ± 2.5
10000.0	21 ± 1.2	15 ± 0.9	33 ± 3.0	25 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ³			1393 ± 104.8	1280 ± 128.9
Positive Control ⁴	669 ± 27.2	347 ± 36.2		

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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	167 ± 15.4	189 ± 4.6	193 ± 6.0	215 ± 5.9
1000.0	173 ± 5.0	188 ± 6.2	203 ± 7.4	222 ± 11.0
2500.0	156 ± 5.7	175 ± 5.4	193 ± 7.2	218 ± 4.4
5000.0	173 ± 7.2	159 ± 4.9	209 ± 9.1	229 ± 5.5
7500.0	140 ± 6.0	156 ± 9.8	215 ± 9.2	249 ± 16.8
10000.0	159 ± 13.3	146 ± 11.4	225 ± 10.7	259 ± 10.4
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁵			854 ± 28.5	837 ± 34.9
Positive Control ⁶	1921 ± 94.3	1699 ± 90.8		

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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 ****