

Experiment Number: **A09944**

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

G06: Ames Summary Data

Test Compound: **Ionic Liquid: 1-Ethyl-3-methylimidazolium Chloride**

CAS Number: **65039-09-0**

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

Time Report Requested: **20:16:45**

NTP Study Number:

A09944

Study Result:

Negative

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Test Compound: Ionic Liquid: 1-Ethyl-3-methylimidazolium Chloride
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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	104 ± 6.5	111 ± 1.3	115 ± 5.0	118 ± 1.9
1000.0	94 ± 1.5	110 ± 9.0	115 ± 10.4	128 ± 6.7
2500.0	95 ± 4.3	99 ± 4.5	120 ± 4.0	124 ± 5.7
5000.0	108 ± 1.8	110 ± 2.2	113 ± 12.0	118 ± 4.3
7500.0	93 ± 5.2	107 ± 5.5	112 ± 8.3	126 ± 11.0
10000.0	97 ± 10.4	110 ± 11.3	110 ± 4.8	127 ± 10.5
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	445 ± 2.3	417 ± 15.5		
Positive Control ³			1347 ± 16.2	1610 ± 125.3

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	23 ± 2.0	24 ± 1.5	31 ± 2.4	30 ± 3.0
1000.0	18 ± 1.5	24 ± 2.3	24 ± 1.7	24 ± 2.2
2500.0	21 ± 1.9	26 ± 4.4	19 ± 2.7	23 ± 1.7
5000.0	21 ± 3.2	22 ± 4.2	29 ± 0.7	26 ± 1.5
7500.0	16 ± 0.6	23 ± 2.0	25 ± 6.4	30 ± 2.9
10000.0	20 ± 1.2	17 ± 2.6	17 ± 3.3	20 ± 3.5
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ³			1119 ± 71.3	1421 ± 43.9
Positive Control ⁴	420 ± 49.6	592 ± 13.9		

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CAS Number: 65039-09-0

Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	179 ± 4.7	220 ± 14.5	225 ± 15.9	226 ± 6.2
1000.0	181 ± 2.5	240 ± 6.4	256 ± 10.4	257 ± 23.1
2500.0	209 ± 14.3	290 ± 19.7	272 ± 10.2	254 ± 19.2
5000.0	191 ± 4.4	237 ± 15.2	238 ± 14.6	291 ± 3.7
7500.0	202 ± 15.7	257 ± 10.5	241 ± 3.1	241 ± 24.3
10000.0	259 ± 16.8	290 ± 18.2	262 ± 27.0	258 ± 18.9
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁵			1561 ± 63.3	1156 ± 2.6
Positive Control ⁶	827 ± 13.1	2339 ± 28.2		

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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 ****