

Experiment Number: **A07898**

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

G06: Ames Summary Data

Test Compound: **Ionic liquid (1-ethyl-3-methylimidazolium acetate)**

CAS Number: **143314-17-4**

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

Time Report Requested: **16:16:48**

NTP Study Number:

A07898

Study Result:

Negative

Experiment Number: A07898

G06: Ames Summary Data

Date Report Requested: 09/15/2018

Test Type: **Genetic Toxicology - Bacterial
Mutagenicity**Test Compound: **Ionic liquid (1-ethyl-3-methylimidazolium acetate)**

Time Report Requested: 16:16:48

CAS Number: 143314-17-4

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	100 ± 1.2	78 ± 2.3	117 ± 3.1	104 ± 4.6
1000.0	98 ± 4.1	91 ± 11.9	93 ± 4.7	115 ± 11.0
2500.0	82 ± 3.1	82 ± 7.3	105 ± 11.2	102 ± 3.2
5000.0	79 ± 1.5	79 ± 6.8	95 ± 7.3	95 ± 8.2
7500.0	82 ± 5.7	54 ± 2.9	91 ± 4.9	88 ± 4.6
10000.0	67 ± 2.0	64 ± 5.9	101 ± 11.3	95 ± 5.7
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	475 ± 10.5	346 ± 14.1		
Positive Control ³			1650 ± 25.5	1045 ± 36.2

Experiment Number: A07898

G06: Ames Summary Data

Date Report Requested: 09/15/2018

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

Test Compound: Ionic liquid (1-ethyl-3-methylimidazolium acetate)

Time Report Requested: 16:16:48

CAS Number: 143314-17-4

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	27 ± 3.5	23 ± 2.6	33 ± 0.6	30 ± 3.8
1000.0	28 ± 1.2	21 ± 3.8	39 ± 2.3	23 ± 2.4
2500.0	23 ± 3.3	21 ± 0.9	30 ± 1.9	20 ± 2.9
5000.0	23 ± 1.2	17 ± 0.3	35 ± 5.0	26 ± 3.2
7500.0	20 ± 2.6	19 ± 1.2	34 ± 2.3	27 ± 3.9
10000.0	20 ± 4.1	16 ± 1.7	36 ± 3.3	24 ± 2.3
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ³			1447 ± 15.4	1418 ± 68.6
Positive Control ⁴	528 ± 63.5	878 ± 68.0		

Experiment Number: A07898

Test Type: Genetic Toxicology - Bacterial Mutagenicity

G06: Ames Summary Data

Test Compound: Ionic liquid (1-ethyl-3-methylimidazolium acetate)

CAS Number: 143314-17-4

Date Report Requested: 09/15/2018

Time Report Requested: 16:16:48

Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	182 ± 19.1	128 ± 0.9	261 ± 9.5	192 ± 6.1
1000.0	197 ± 4.7	127 ± 1.2	248 ± 12.9	174 ± 10.5
2500.0	185 ± 7.1	127 ± 15.0	219 ± 10.8	189 ± 2.1
5000.0	169 ± 3.0	119 ± 3.3	225 ± 13.0	185 ± 6.8
7500.0	144 ± 7.4	123 ± 8.7	212 ± 7.7	183 ± 0.6
10000.0	144 ± 3.0	139 ± 7.8	208 ± 8.8	213 ± 3.2
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁵			941 ± 23.7	728 ± 5.0
Positive Control ⁶	2009 ± 47.5	1620 ± 34.1		

Experiment Number: A07898

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Ionic liquid (1-ethyl-3-methylimidazolium acetate)

CAS Number: 143314-17-4

Date Report Requested: 09/15/2018

Time Report Requested: 16:16:48

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 ****