

Experiment Number: A17918

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

**G06: Ames Summary Data**

Test Compound: **Imidazolidinyl urea**

CAS Number: **39236-46-9**

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

Time Report Requested: **02:24:24**

**NTP Study Number:**

A17918

**Study Result:**

Positive

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## G06: Ames Summary Data

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Strain: TA100				
Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	69 ± 5.2	72 ± 3.1	72 ± 9.5	76 ± 4.7
50.0		103 ± 7.9		90 ± 5.7
100.0		164 ± 7.1		130 ± 8.6
250.0		225 ± 9.3		193 ± 4.5
500.0	272 ± 5.2	234 ± 12.5	279 ± 8.8	270 ± 4.3
750.0		222 ± 8.1		288 ± 13.9
1000.0		177 ± 18.4		272 ± 27.9
1500.0	8 ± 1.0 <sup>s</sup>		74 ± 4.4	
2500.0	Toxic		16 ± 3.3 <sup>s</sup>	
3500.0	Toxic		Toxic	
5000.0	Toxic		Toxic	
Trial Summary	Positive	Positive	Positive	Positive
Positive Control <sup>2</sup>	563 ± 18.9	837 ± 17.2		
Positive Control <sup>3</sup>			1048 ± 24.4	1094 ± 55.0

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**Strain: TA98**

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	21 ± 1.8	24 ± 0.3	26 ± 2.3
50.0	18 ± 2.1		25 ± 2.2
100.0	29 ± 2.0		34 ± 2.2
250.0	44 ± 1.9		50 ± 5.7
500.0	53 ± 0.6	46 ± 1.0	58 ± 5.7
750.0	27 ± 0.3		71 ± 2.9
1000.0	3 ± 1.0 <sup>s</sup>		38 ± 2.0
1500.0		17 ± 2.9	
2500.0		5 ± 1.5 <sup>s</sup>	
3500.0		Toxic	
5000.0		Toxic	
Trial Summary	Positive	Positive	Positive
Positive Control <sup>3</sup>		1048 ± 24.4	1255 ± 24.7
Positive Control <sup>4</sup>	588 ± 18.5		

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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 <sup>1</sup>	154 ± 12.2	134 ± 10.0	193 ± 7.0	227 ± 6.4
250.0		324 ± 26.5		477 ± 3.8
500.0	461 ± 3.0	355 ± 24.5	440 ± 19.4	519 ± 7.0
1500.0	373 ± 12.9	471 ± 4.0	469 ± 29.9	586 ± 27.4
2500.0	92 ± 2.8	150 ± 5.8	309 ± 19.8	423 ± 37.4
3500.0	76 ± 2.7 <sup>s</sup>	80 ± 8.7 <sup>s</sup>	164 ± 9.1	181 ± 16.1
5000.0	41 ± 6.5 <sup>s</sup>		24 ± 3.7 <sup>s</sup>	
Trial Summary	Positive	Positive	Positive	Positive
Positive Control <sup>5</sup>			1158 ± 29.8	1090 ± 73.0
Positive Control <sup>6</sup>	1897 ± 17.0	1778 ± 20.3		

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#### **LEGEND**

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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

s: Slight Toxicity

**\*\* END OF REPORT \*\***