

Experiment Number: A38084

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

**G06: Ames Summary Data**

Test Compound: **N-Methyl-3-oxobutyramide**

CAS Number: 20306-75-6

Date Report Requested: 09/16/2018

Time Report Requested: 21:01:51

**NTP Study Number:**

A38084

**Study Result:**

Equivocal

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**Strain: TA100**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Rat S9</b>
Vehicle Control <sup>1</sup>	109 ± 6.4	107 ± 0.9	87 ± 6.2	83 ± 8.0
500.0	108 ± 6.5	81 ± 4.3	85 ± 6.7	83 ± 7.5
1500.0	109 ± 1.2	84 ± 7.3	105 ± 5.8	88 ± 2.9
2500.0	108 ± 4.6	112 ± 2.0	90 ± 5.4	92 ± 6.1
3500.0	117 ± 3.2	100 ± 7.8	108 ± 2.8	89 ± 4.8
5000.0	116 ± 8.7	101 ± 4.3	108 ± 3.2	90 ± 2.2
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	636 ± 34.2	322 ± 29.3		
Positive Control <sup>3</sup>			1114 ± 95.3	743 ± 39.7

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## Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	25 ± 1.5	30 ± 3.1	19 ± 1.3	38 ± 5.5
500.0	24 ± 2.1	21 ± 2.4	22 ± 0.6	32 ± 4.8
1500.0	24 ± 1.2	24 ± 2.5	21 ± 0.7	25 ± 3.8
2500.0	21 ± 0.3	25 ± 3.0	17 ± 2.3	27 ± 1.2
3500.0	24 ± 1.9	24 ± 5.0	16 ± 0.6	28 ± 5.6
5000.0	18 ± 0.3	27 ± 1.3	14 ± 1.7	30 ± 3.0
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>			1059 ± 52.6	592 ± 24.0
Positive Control <sup>4</sup>	418 ± 48.8	250 ± 2.6		

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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>	228 ± 13.6	293 ± 3.6	264 ± 4.2	310 ± 14.1
25.0				306 ± 10.1
50.0				324 ± 23.4
100.0				314 ± 22.2
250.0				342 ± 19.7
500.0	226 ± 22.1	270 ± 9.7	226 ± 5.1	369 ± 44.4
1500.0	310 ± 20.9	316 ± 2.2	333 ± 14.8	
2500.0	318 ± 4.8	390 ± 3.9	374 ± 8.7	
3500.0	354 ± 20.2	407 ± 22.8	345 ± 18.0	
5000.0	392 ± 8.0	394 ± 10.8	369 ± 14.8	
Trial Summary	Equivocal	Equivocal	Equivocal	Negative
Positive Control <sup>5</sup>			1148 ± 39.9	759 ± 21.8
Positive Control <sup>6</sup>	1895 ± 117.5	1333 ± 109.8		

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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

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