

Experiment Number: A23955

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

G06: Ames Summary Data

Test Compound: **Acetyl-L-carnitine hydrochloride**

CAS Number: **5080-50-2**

Date Report Requested: **09/18/2018**

Time Report Requested: **09:27:27**

NTP Study Number:

A23955

Study Result:

Negative

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CAS Number: **5080-50-2**

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	129 ± 19.1	105 ± 7.9	124 ± 20.7	106 ± 6.7
500.0	126 ± 2.3	96 ± 4.4		
1000.0			94 ± 6.9	121 ± 14.7
1500.0	139 ± 11.1	117 ± 1.8		
2500.0	111 ± 1.0	121 ± 3.0	83 ± 10.7	125 ± 7.9
3500.0	65 ± 3.5	113 ± 9.3		
5000.0	30 ± 3.1	27 ± 3.5	99 ± 0.7	106 ± 5.8
7500.0			88 ± 2.7	109 ± 3.5
10000.0			92 ± 2.6	109 ± 5.5
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	359 ± 34.5	353 ± 37.0		
Positive Control ³			563 ± 8.7	1043 ± 25.5

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	21 ± 3.5	32 ± 2.9	19 ± 1.3	42 ± 3.1
500.0	24 ± 2.0	31 ± 0.3		
1000.0			16 ± 1.2	38 ± 1.2
1500.0	19 ± 3.7	35 ± 1.9		
2500.0	15 ± 3.5	27 ± 6.0	30 ± 1.2	29 ± 0.7
3500.0	16 ± 0.9	25 ± 1.8		
5000.0	8 ± 0.3	11 ± 2.1	14 ± 1.2	37 ± 1.9
7500.0			19 ± 3.0	37 ± 2.6
10000.0			20 ± 1.2	38 ± 0.6
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ³			429 ± 9.4	635 ± 19.1
Positive Control ⁴	273 ± 51.5	505 ± 11.8		

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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	213 ± 1.8	255 ± 6.8	228 ± 7.6	281 ± 16.3
500.0	253 ± 8.7	251 ± 18.3		
1000.0			227 ± 15.5	316 ± 9.9
1500.0	194 ± 9.2	177 ± 19.5		
2500.0	150 ± 6.1	141 ± 26.8	257 ± 2.4	351 ± 12.1
3500.0	133 ± 4.1	125 ± 7.7		
5000.0	62 ± 4.9	79 ± 6.4	281 ± 13.5	305 ± 5.7
7500.0			176 ± 20.1	318 ± 13.0
10000.0			192 ± 13.1	373 ± 43.7
Trial Summary	Negative	Negative	Negative	Equivocal
Positive Control ⁵			621 ± 6.4	697 ± 17.3
Positive Control ⁶	853 ± 23.7	871 ± 78.4		

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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: 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 ****