

Experiment Number: 531464

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

G06: Ames Summary Data

Test Compound: **N-Ethyl-N-nitrosourea**

CAS Number: **759-73-9**

Date Report Requested: **09/12/2018**

Time Report Requested: **23:45:01**

NTP Study Number:

531464

Study Result:

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	156 ± 8.7	163 ± 6.4	161 ± 6.1	178 ± 8.8	174 ± 5.7
3.0		163 ± 2.0		194 ± 6.8	
10.0		189 ± 13.3		197 ± 1.8	165 ± 7.6
16.0					
33.0	213 ± 15.5	219 ± 12.9	245 ± 4.3	272 ± 11.6	265 ± 9.4
66.0		343 ± 16.2			
100.0	368 ± 52.4	562 ± 36.1	494 ± 66.8	746 ± 29.2	419 ± 88.3
166.0	1256 ± 22.2	1151 ± 96.4	745 ± 106.8	1058 ± 53.0	694 ± 13.5
333.0	2407 ± 35.6		735 ± 211.5		755 ± 255.6
666.0	1286 ± 25.2		1788 ± 132.0		
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²					852 ± 14.4
Positive Control ³			489 ± 10.5	867 ± 22.0	
Positive Control ⁴	960 ± 11.1	679 ± 47.3			

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	174 ± 8.7
3.0	
10.0	209 ± 2.8
16.0	181 ± 16.1
33.0	314 ± 13.1
66.0	
100.0	590 ± 52.7
166.0	1091 ± 17.2
333.0	
666.0	
Trial Summary	Positive
Positive Control ²	948 ± 88.1
Positive Control ³	
Positive Control ⁴	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	31 ± 4.0	27 ± 2.8	43 ± 3.3	44 ± 2.9	42 ± 3.1
10.0		33 ± 3.0			38 ± 5.8
33.0	34 ± 2.2	40 ± 0.9	39 ± 1.5	56 ± 3.2	41 ± 1.8
100.0	53 ± 3.5	85 ± 4.2	58 ± 5.7	61 ± 3.0	67 ± 4.1
166.0	63 ± 5.2	131 ± 4.3	71 ± 11.5	103 ± 13.0	59 ± 3.8
333.0	109 ± 6.2	144 ± 5.1	82 ± 3.2	121 ± 13.5	96 ± 8.1
666.0	35 ± 7.0		135 ± 3.5	139 ± 4.8	
Trial Summary	Positive	Positive	Positive	Positive	Equivocal
Positive Control ²			134 ± 1.3	156 ± 10.8	520 ± 39.5
Positive Control ⁵	625 ± 11.9	641 ± 14.0			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	45 ± 2.3
10.0	31 ± 3.8
33.0	51 ± 5.0
100.0	61 ± 5.5
166.0	78 ± 6.2
333.0	140 ± 18.0
666.0	
Trial Summary	Positive
Positive Control ²	631 ± 33.3
Positive Control ⁵	

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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 2-Aminoanthracene

3: 2.5 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate Sodium Azide

5: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****