

Experiment Number: 307396

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

G06: Ames Summary Data

Test Compound: **Oxazepam**

CAS Number: **604-75-1**

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

Time Report Requested: **03:36:56**

NTP Study Number:

307396

Study Result:

Negative

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Date Report Requested: 09/12/2018

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	110 ± 4.9	159 ± 8.0	161 ± 10.0	149 ± 2.5	146 ± 1.9
3.0		118 ± 4.6			
10.0	123 ± 6.6	128 ± 5.5	160 ± 9.0		144 ± 2.3
33.0	119 ± 5.4	137 ± 14.0	157 ± 8.9	137 ± 7.4	159 ± 17.2
100.0	118 ± 6.6	139 ± 8.9	156 ± 8.9	127 ± 1.2	137 ± 15.4
333.0	119 ± 8.7	115 ± 9.7	133 ± 7.0	134 ± 4.8	141 ± 2.9
666.0	40 ± 11.7 ^s				
1000.0			126 ± 2.5	134 ± 4.1	102 ± 5.8
1666.0				135 ± 13.2	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					445 ± 11.7
Positive Control ³			599 ± 23.1		
Positive Control ⁴	429 ± 7.8	316 ± 3.5			
Positive Control ⁵				244 ± 6.7	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	145 ± 8.1
3.0	
10.0	
33.0	145 ± 9.1
100.0	146 ± 2.1
333.0	113 ± 8.7
666.0	
1000.0	93 ± 2.8
1666.0	100 ± 14.9
Trial Summary	Negative
Positive Control ²	
Positive Control ³	462 ± 31.2
Positive Control ⁴	
Positive Control ⁵	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	19 ± 2.5	20 ± 1.5	12 ± 1.7	14 ± 2.1	8 ± 0.9
3.0		20 ± 2.3			
10.0	17 ± 1.0	19 ± 1.5			
33.0	17 ± 4.8	19 ± 2.9	10 ± 2.0	14 ± 0.3	8 ± 3.0
100.0	16 ± 1.9	15 ± 4.2	11 ± 1.5	15 ± 1.5	11 ± 2.0
333.0	14 ± 2.2	18 ± 2.0	11 ± 0.6	15 ± 1.9	8 ± 1.0
666.0	6 ± 0.6 ^S				
1000.0			9 ± 0.7	12 ± 2.7	9 ± 1.3
1666.0			7 ± 1.5 ^P		8 ± 1.2 ^P
3333.0				9 ± 0.6 ^P	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					180 ± 18.4
Positive Control ⁴	506 ± 24.1	332 ± 10.2			
Positive Control ⁵			214 ± 27.7		
Positive Control ⁶				206 ± 4.7	

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	12 ± 2.9
3.0	
10.0	
33.0	10 ± 2.0
100.0	11 ± 3.4
333.0	9 ± 2.5
666.0	
1000.0	8 ± 0.3
1666.0	
3333.0	5 ± 0.7 ^P
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	340 ± 22.8
Positive Control ⁶	

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	166 ± 2.0	184 ± 6.1	206 ± 1.5	209 ± 6.1	179 ± 3.0
3.0		193 ± 7.4			
10.0	144 ± 8.4	182 ± 2.6	204 ± 4.2		163 ± 8.2
33.0	142 ± 8.6	180 ± 10.5	203 ± 0.9	191 ± 9.1	163 ± 5.0
100.0	140 ± 9.4	160 ± 7.3	200 ± 3.1	150 ± 6.2	167 ± 9.0
333.0	144 ± 10.7	148 ± 12.7	198 ± 3.0	162 ± 17.4	175 ± 11.0
666.0	78 ± 5.8 ^s				
1000.0			168 ± 5.8	184 ± 16.8	172 ± 17.3
3333.0				139 ± 11.2 ^x	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					463 ± 15.8
Positive Control ³			449 ± 10.1		
Positive Control ⁵				454 ± 25.6	
Positive Control ⁷	415 ± 11.2	403 ± 11.1			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	164 ± 8.3
3.0	
10.0	
33.0	183 ± 6.9
100.0	187 ± 12.4
333.0	174 ± 14.0
666.0	
1000.0	168 ± 9.1
3333.0	107 ± 5.7 ^x
Trial Summary	Negative
Positive Control ²	
Positive Control ³	368 ± 24.9
Positive Control ⁵	
Positive Control ⁷	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	23 ± 1.5	18 ± 2.3	19 ± 1.5	23 ± 1.2	28 ± 2.0
3.0		15 ± 2.2			
10.0	22 ± 1.5	16 ± 2.0			
33.0	18 ± 0.7	19 ± 2.3	24 ± 3.0	28 ± 2.2	18 ± 0.6
100.0	21 ± 1.8	20 ± 0.7	22 ± 3.7	33 ± 2.6	21 ± 2.1
333.0	21 ± 2.6	17 ± 1.7	23 ± 4.6	31 ± 4.7	20 ± 0.3
666.0	9 ± 1.0 ^s				
1000.0			14 ± 0.7	23 ± 1.7	20 ± 2.3
1666.0			22 ± 3.5 ^p	21 ± 2.3	17 ± 0.6 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					523 ± 10.6
Positive Control ³			202 ± 10.9	104 ± 5.9	
Positive Control ⁸	372 ± 12.5	423 ± 27.7			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	19 ± 0.9
3.0	
10.0	
33.0	27 ± 4.3
100.0	27 ± 4.1
333.0	23 ± 3.3
666.0	
1000.0	34 ± 2.3
1666.0	27 ± 1.5
Trial Summary	Negative
Positive Control ²	
Positive Control ³	495 ± 21.7
Positive Control ⁸	

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Strain: TA102

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 30% Rat S9
Vehicle Control ¹	287 ± 29.8	131 ± 2.6	197 ± 11.5	319 ± 8.1	443 ± 24.8
3.0		136 ± 5.7			
10.0	290 ± 12.5	128 ± 10.7			
33.0	303 ± 9.0	139 ± 1.8	216 ± 9.5	370 ± 20.3	403 ± 17.1
100.0	307 ± 12.3	130 ± 8.3	208 ± 6.4	416 ± 14.3	436 ± 38.4
333.0	264 ± 16.4	43 ± 3.9 ^s	204 ± 14.3	323 ± 17.7	413 ± 22.0
666.0	71 ± 35.4 ^s				
1000.0			166 ± 28.6	293 ± 12.3	375 ± 19.9
1666.0			34 ± 34.0 ^x		
3333.0				169 ± 12.5 ^x	133 ± 17.3 ^x
Trial Summary	Negative	Negative	Negative	Equivocal	Negative
Positive Control ⁹	1433 ± 26.6	676 ± 9.5			
Positive Control ¹⁰			1291 ± 49.3	2633 ± 58.1	1104 ± 125.0

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Strain: TA102

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	213 ± 5.7	341 ± 23.3
3.0		
10.0		
33.0	223 ± 15.0	295 ± 8.1
100.0	196 ± 10.0	340 ± 24.6
333.0	170 ± 2.7	358 ± 25.0
666.0		
1000.0	155 ± 12.4	318 ± 1.3
1666.0	103 ± 21.5 ^x	
3333.0		172 ± 1.2 ^x
Trial Summary	Negative	Negative
Positive Control ⁹		
Positive Control ¹⁰	879 ± 17.9	2127 ± 104.3

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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: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate 2-Aminoanthracene

4: 1.0 ug/Plate Sodium Azide

5: 2.5 ug/Plate 2-Aminoanthracene

6: 5.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

9: 0.5 ug/Plate Mitomycin-C

10: 10.0 ug/Plate Sterigmatocystin

p: Precipitate

s: Slight Toxicity

x: Slight Toxicity and Precipitate

**** END OF REPORT ****