

Experiment Number: 001346

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: D,L-Methamphetamine HCl

CAS Number: 4298-16-2

Date Report Requested: 09/13/2018

Time Report Requested: 23:40:22

NTP Study Number:

001346

Study Result:

Negative

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Test Compound: D,L-Methamphetamine HCl

CAS Number: 4298-16-2

Date Report Requested: 09/13/2018

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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	119 ± 6.0	156 ± 5.6	151 ± 3.5	148 ± 2.2	151 ± 2.7
100.0	118 ± 1.9	156 ± 5.4	153 ± 2.0	150 ± 7.4	152 ± 4.6
333.0	123 ± 7.3	153 ± 12.0	140 ± 8.4	142 ± 4.6	154 ± 9.0
1000.0	113 ± 5.7	147 ± 4.8	145 ± 12.0	158 ± 3.4	147 ± 9.2
3333.0	110 ± 1.2	148 ± 7.7	149 ± 5.8	146 ± 4.7	146 ± 0.7
10000.0	107 ± 2.5	156 ± 2.4	154 ± 3.4	147 ± 3.7	134 ± 5.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					546 ± 20.8
Positive Control ³			497 ± 11.8		
Positive Control ⁴	891 ± 54.0	869 ± 22.4			
Positive Control ⁵				364 ± 13.6	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	160 ± 3.0
100.0	158 ± 5.1
333.0	156 ± 4.8
1000.0	153 ± 6.3
3333.0	160 ± 3.3
10000.0	143 ± 7.2
Trial Summary	Negative
Positive Control ²	
Positive Control ³	352 ± 10.0
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	13 ± 0.6	10 ± 1.3	16 ± 1.2	11 ± 0.9	12 ± 1.2
100.0	14 ± 0.9	13 ± 0.9	12 ± 0.6	14 ± 1.2	11 ± 0.3
333.0	12 ± 0.7	11 ± 2.0	12 ± 0.6	12 ± 3.4	10 ± 0.9
1000.0	14 ± 1.7	11 ± 0.7	13 ± 1.8	10 ± 0.9	12 ± 1.7
3333.0	11 ± 1.2	9 ± 0.3	10 ± 1.0	9 ± 0.9	9 ± 2.0
10000.0	11 ± 0.7	10 ± 1.0	10 ± 0.9	14 ± 0.7	13 ± 1.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					129 ± 10.0
Positive Control ⁶	945 ± 26.4				
Positive Control ⁴		829 ± 14.5			
Positive Control ⁵			139 ± 5.8		
Positive Control ⁷				131 ± 3.5	

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Test Compound: D,L-Methamphetamine HCl

CAS Number: 4298-16-2

Date Report Requested: 09/13/2018

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	14 ± 2.3
100.0	11 ± 0.9
333.0	10 ± 1.5
1000.0	10 ± 0.9
3333.0	10 ± 1.2
10000.0	13 ± 0.7
Trial Summary	Negative
Positive Control ³	
Positive Control ⁶	
Positive Control ⁴	
Positive Control ⁵	206 ± 8.2
Positive Control ⁷	

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Test Compound: D,L-Methamphetamine HCl

CAS Number: 4298-16-2

Date Report Requested: 09/13/2018

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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	162 ± 2.1	147 ± 4.1	141 ± 13.1	144 ± 9.4	150 ± 7.4
100.0	155 ± 3.1	139 ± 5.5	156 ± 6.8	159 ± 5.8	143 ± 7.3
333.0	161 ± 1.2	138 ± 7.5	160 ± 5.8	164 ± 4.0	160 ± 7.0
1000.0	144 ± 3.0	144 ± 6.0	148 ± 10.8	159 ± 10.5	154 ± 9.7
3333.0	169 ± 1.5	146 ± 4.2	145 ± 3.0	156 ± 5.2	154 ± 7.5
10000.0	148 ± 3.3	140 ± 0.3	164 ± 6.8	147 ± 7.8	152 ± 4.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					445 ± 12.2
Positive Control ³			474 ± 21.5		
Positive Control ⁵				527 ± 29.2	
Positive Control ⁸	343 ± 22.2	372 ± 14.5			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	150 ± 9.9
100.0	152 ± 2.0
333.0	155 ± 5.8
1000.0	144 ± 11.6
3333.0	142 ± 5.0
10000.0	162 ± 3.8
Trial Summary	Negative
Positive Control ²	
Positive Control ³	527 ± 7.8
Positive Control ⁵	
Positive Control ⁸	

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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	18 ± 0.7	15 ± 0.9	19 ± 1.5	19 ± 0.3	24 ± 1.8
100.0	19 ± 1.5	16 ± 2.6	20 ± 3.7	18 ± 1.5	30 ± 0.7
333.0	21 ± 1.7	15 ± 0.9	21 ± 3.8	20 ± 0.6	26 ± 0.7
1000.0	22 ± 1.0	13 ± 0.9	21 ± 2.8	20 ± 2.6	24 ± 3.7
3333.0	20 ± 1.9	11 ± 0.6	19 ± 1.5	19 ± 2.6	22 ± 1.9
10000.0	18 ± 2.6	13 ± 4.2	18 ± 2.3	16 ± 0.9	25 ± 2.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					373 ± 7.2
Positive Control ³			326 ± 16.5		
Positive Control ⁹	377 ± 24.4	530 ± 4.8			
Positive Control ⁵				248 ± 23.3	

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	19 ± 2.1
100.0	19 ± 0.3
333.0	18 ± 1.3
1000.0	20 ± 1.3
3333.0	23 ± 1.8
10000.0	22 ± 3.8
Trial Summary	Negative
Positive Control ²	
Positive Control ³	232 ± 19.2
Positive Control ⁹	
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: Water

2: 1.0 ug/Plate 2-Aminoanthracene

3: 2.0 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate Sodium Azide

5: 5.0 ug/Plate 2-Aminoanthracene

6: 5.0 ug/Plate N-Methyl-N-Nitro-N-Nitrosoguanidine

7: 10.0 ug/Plate 2-Aminoanthracene

8: 50.0 ug/Plate 9-Aminoacridine

9: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****