

Experiment Number: A53549

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

G06: Ames Summary Data

Test Compound: **Prilocaine**

CAS Number: **721-50-6**

Date Report Requested: **09/17/2018**

Time Report Requested: **04:29:15**

NTP Study Number:

A53549

Study Result:

Negative

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G06: Ames Summary Data
Test Compound: Prilocaine
CAS Number: 721-50-6

Date Report Requested: 09/17/2018
Time Report Requested: 04:29:15

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	106 ± 3.0	107 ± 5.3	124 ± 4.9	122 ± 3.7	118 ± 6.1
100.0	120 ± 5.6	109 ± 6.9	125 ± 3.4	121 ± 4.3	130 ± 5.7
333.0	115 ± 7.5	116 ± 1.5	127 ± 3.8	123 ± 5.8	128 ± 4.0
1000.0	106 ± 3.1	112 ± 6.8	123 ± 4.5	134 ± 5.4	127 ± 8.8
3333.0	103 ± 13.7	116 ± 4.7	116 ± 6.2	116 ± 11.0	119 ± 7.2
10000.0	114 ± 5.0	107 ± 5.9	104 ± 4.2	108 ± 8.0	116 ± 4.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					740 ± 12.8
Positive Control ³			654 ± 20.7		
Positive Control ⁴	1256 ± 27.1	894 ± 27.4			
Positive Control ⁵				671 ± 16.5	

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Time Report Requested: 04:29:15

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	125 ± 5.9
100.0	114 ± 2.9
333.0	131 ± 3.7
1000.0	141 ± 1.2
3333.0	145 ± 7.0
10000.0	141 ± 7.0
Trial Summary	Negative
Positive Control ²	
Positive Control ³	841 ± 17.7
Positive Control ⁴	
Positive Control ⁵	

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Test Compound: Prilocaine

CAS Number: 721-50-6

Date Report Requested: 09/17/2018

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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	9 ± 0.9	13 ± 1.5	15 ± 3.8	11 ± 1.8	15 ± 3.8
100.0	9 ± 1.5	15 ± 3.2	13 ± 1.2	15 ± 0.9	8 ± 0.7
333.0	10 ± 1.0	16 ± 4.4	11 ± 1.2	14 ± 0.3	14 ± 2.3
1000.0	12 ± 2.3	14 ± 2.0	9 ± 1.9	15 ± 2.0	13 ± 0.7
3333.0	14 ± 2.8	10 ± 1.2	9 ± 2.1	9 ± 2.8	11 ± 2.2
10000.0	12 ± 1.9	8 ± 1.8	13 ± 3.8	13 ± 1.2	12 ± 2.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					132 ± 7.6
Positive Control ⁴	933 ± 16.7	918 ± 14.8			
Positive Control ⁵			114 ± 8.5		
Positive Control ⁶				186 ± 19.1	

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Test Compound: Prilocaine
CAS Number: 721-50-6

Date Report Requested: 09/17/2018
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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	13 ± 3.9
100.0	12 ± 3.5
333.0	12 ± 0.6
1000.0	17 ± 3.9
3333.0	13 ± 0.7
10000.0	10 ± 0.7
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	289 ± 25.2
Positive Control ⁶	

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Test Compound: Prilocaine

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Date Report Requested: 09/17/2018

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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	144 ± 11.9	173 ± 7.7	195 ± 5.8	149 ± 12.3	170 ± 2.8
100.0	166 ± 9.5	151 ± 3.5	183 ± 3.7	157 ± 6.9	179 ± 3.2
333.0	137 ± 12.1	179 ± 3.0	166 ± 11.0	128 ± 15.0	172 ± 6.1
1000.0	120 ± 12.7	146 ± 5.5	164 ± 11.7	152 ± 16.6	158 ± 11.6
3333.0	129 ± 13.5	165 ± 6.1	174 ± 8.7	128 ± 3.5	138 ± 5.5
10000.0	132 ± 17.9	146 ± 19.5	161 ± 24.5	143 ± 3.3	164 ± 20.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					644 ± 19.1
Positive Control ³			559 ± 22.9		
Positive Control ⁵				627 ± 20.0	
Positive Control ⁷	513 ± 5.5	627 ± 12.9			

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Date Report Requested: 09/17/2018
Time Report Requested: 04:29:15

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	125 ± 10.0
100.0	122 ± 6.2
333.0	127 ± 2.3
1000.0	132 ± 13.8
3333.0	141 ± 12.6
10000.0	151 ± 7.8
Trial Summary	Negative
Positive Control ²	
Positive Control ³	678 ± 16.5
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	20 ± 2.6	32 ± 2.4	24 ± 2.3	19 ± 0.9	22 ± 3.6
100.0	18 ± 1.2	29 ± 5.5	17 ± 0.3	16 ± 1.2	26 ± 4.4
333.0	19 ± 1.2	30 ± 6.3	19 ± 3.5	19 ± 4.1	26 ± 3.9
1000.0	15 ± 3.6	24 ± 6.1	20 ± 4.0	12 ± 6.1	21 ± 1.7
3333.0	21 ± 2.8	30 ± 5.5	28 ± 5.7	13 ± 1.3	24 ± 2.9
10000.0	17 ± 1.5	26 ± 4.0	21 ± 2.4	13 ± 3.2	21 ± 2.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					670 ± 16.2
Positive Control ³			591 ± 11.6		
Positive Control ⁸	635 ± 14.5	383 ± 18.7			
Positive Control ⁵				1463 ± 36.7	

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	24 ± 2.0
100.0	22 ± 1.2
333.0	18 ± 3.5
1000.0	22 ± 1.2
3333.0	30 ± 0.7
10000.0	24 ± 3.0
Trial Summary	Negative
Positive Control ²	
Positive Control ³	1686 ± 51.6
Positive Control ⁸	
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: 10.0 ug/Plate 2-Aminoanthracene
- 7: 50.0 ug/Plate 9-Aminoacridine
- 8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****