

Experiment Number: 936632

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

G06: Ames Summary Data

Test Compound: **Monuron**

CAS Number: **150-68-5**

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

Time Report Requested: **12:11:46**

NTP Study Number:

936632

Study Result:

Negative

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	150 ± 9.5	155 ± 8.7	146 ± 9.9	153 ± 10.5	118 ± 5.5
10.0	131 ± 16.4	143 ± 10.7			
33.0	128 ± 3.1	141 ± 6.4			
100.0	121 ± 8.8	156 ± 9.2	135 ± 2.1	157 ± 0.3	112 ± 4.7
333.0	138 ± 1.8	126 ± 2.3	144 ± 4.6	142 ± 5.6	109 ± 1.8
1000.0	135 ± 7.6 ^s	Toxic	119 ± 9.9	144 ± 7.8	120 ± 8.5
3333.0			133 ± 8.6	125 ± 5.5	105 ± 3.0
5000.0			107 ± 9.7 ^p	118 ± 4.3 ^p	85 ± 7.3 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1407 ± 19.9
Positive Control ³			1398 ± 45.5	1272 ± 50.1	
Positive Control ⁴	907 ± 61.1	1254 ± 56.4			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	155 ± 7.3
10.0	
33.0	
100.0	139 ± 2.0
333.0	141 ± 3.5
1000.0	135 ± 4.5
3333.0	117 ± 7.7
5000.0	87 ± 4.3 ^p
Trial Summary	Negative
Positive Control ²	1366 ± 75.7
Positive Control ³	
Positive Control ⁴	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	27 ± 1.8	36 ± 1.5	9 ± 0.7	18 ± 1.9	8 ± 0.9
10.0	15 ± 3.2	27 ± 1.2			
33.0	16 ± 1.5	28 ± 2.1			
100.0	18 ± 0.9	28 ± 1.5	6 ± 2.0	17 ± 0.6	9 ± 0.3
333.0	14 ± 2.4	21 ± 2.9	7 ± 0.6	14 ± 1.9	9 ± 2.0
1000.0	11 ± 0.9	Toxic	9 ± 1.0	12 ± 1.8	7 ± 1.0
3333.0			5 ± 1.9	8 ± 1.9	4 ± 0.6
5000.0			4 ± 1.5 ^p	10 ± 0.9 ^p	6 ± 0.7 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					61 ± 8.7
Positive Control ³			58 ± 2.5	79 ± 4.8	
Positive Control ⁴	700 ± 6.6	913 ± 12.7			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	15 ± 1.0
10.0	
33.0	
100.0	15 ± 1.2
333.0	15 ± 2.9
1000.0	16 ± 1.2
3333.0	10 ± 1.3
5000.0	10 ± 0.9 ^p
Trial Summary	Negative
Positive Control ²	88 ± 5.0
Positive Control ³	
Positive Control ⁴	

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	6 ± 1.9	9 ± 0.7	11 ± 2.4	10 ± 1.0	7 ± 1.2
10.0	7 ± 0.7	8 ± 2.0			
33.0	5 ± 1.7	10 ± 1.8			
100.0	6 ± 1.2	12 ± 4.9	5 ± 1.9	13 ± 1.5	8 ± 0.6
333.0	5 ± 0.6	8 ± 1.9	6 ± 0.6	12 ± 0.9	9 ± 2.0
1000.0	4 ± 0.9	7 ± 1.5 ^s	5 ± 0.9	11 ± 3.8	9 ± 1.0
3333.0			4 ± 1.0	10 ± 3.0	5 ± 2.1
5000.0			3 ± 0.7 ^p	7 ± 2.0 ^p	5 ± 1.5 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					156 ± 8.7
Positive Control ³			174 ± 7.4	75 ± 3.7	
Positive Control ⁵	204 ± 17.2	378 ± 89.6			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	18 ± 3.2
10.0	
33.0	
100.0	17 ± 3.5
333.0	15 ± 3.2
1000.0	13 ± 1.5
3333.0	7 ± 2.3
5000.0	9 ± 1.5 ^p
Trial Summary	Negative
Positive Control ²	89 ± 9.3
Positive Control ³	
Positive Control ⁵	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	12 ± 1.8	20 ± 3.3	24 ± 2.5	30 ± 2.8	26 ± 0.9
10.0	17 ± 2.2	18 ± 2.9			
33.0	13 ± 1.5	20 ± 1.9			
100.0	16 ± 0.9	21 ± 0.6	26 ± 4.8	32 ± 2.2	24 ± 2.1
333.0	16 ± 1.7	18 ± 3.2	25 ± 1.7	28 ± 2.1	26 ± 3.0
1000.0	15 ± 0.9	17 ± 3.2	13 ± 0.9	27 ± 4.9	21 ± 1.9
3333.0			19 ± 4.5	14 ± 2.2	15 ± 3.8
5000.0			12 ± 1.2 ^p	22 ± 1.9 ^p	16 ± 1.7 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1304 ± 95.0
Positive Control ³			1330 ± 17.9	1108 ± 26.6	
Positive Control ⁶	1011 ± 5.3	1509 ± 24.4			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	41 ± 2.5
10.0	
33.0	
100.0	32 ± 1.5
333.0	37 ± 0.9
1000.0	31 ± 0.6
3333.0	17 ± 2.1
5000.0	18 ± 2.9 ^p
Trial Summary	Negative
Positive Control ²	1216 ± 87.8
Positive Control ³	
Positive Control ⁶	

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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: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 80.0 ug/Plate 9-Aminoacridine

6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

s: Slight Toxicity

**** END OF REPORT ****