

Experiment Number: 742036

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Progesterone

CAS Number: 57-83-0

Date Report Requested: 09/17/2018

Time Report Requested: 06:05:38

NTP Study Number:

742036

Study Result:

Negative

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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 ± 7.3	152 ± 10.7	127 ± 15.1	129 ± 7.8	139 ± 2.7
100.0	99 ± 1.3	118 ± 5.0	108 ± 5.5	137 ± 13.6	128 ± 6.3
333.0	126 ± 8.5	113 ± 5.3	110 ± 3.5	139 ± 7.8	108 ± 9.8
1000.0	113 ± 7.1 ^P	116 ± 9.4 ^P	98 ± 8.8 ^P	137 ± 1.2 ^P	105 ± 11.0 ^P
3333.0	107 ± 3.8 ^P	93 ± 13.6 ^P	104 ± 8.1 ^P	127 ± 15.3 ^P	86 ± 1.9 ^P
10000.0	88 ± 7.2 ^P	82 ± 5.9 ^P	110 ± 4.9 ^P	122 ± 2.1 ^P	86 ± 3.5 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					933 ± 40.9
Positive Control ³	476 ± 7.4	563 ± 14.7			
Positive Control ⁴			627 ± 37.3	311 ± 17.6	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	140 ± 5.0
100.0	134 ± 4.6
333.0	130 ± 9.8
1000.0	115 ± 4.2 ^p
3333.0	92 ± 8.0 ^p
10000.0	102 ± 2.8 ^p
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	819 ± 28.9

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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	24 ± 3.8	20 ± 4.9	7 ± 0.7	16 ± 2.1	8 ± 1.8
100.0	18 ± 2.2	17 ± 1.3	6 ± 1.2	10 ± 1.5	7 ± 1.7
333.0	13 ± 2.6	22 ± 1.5	9 ± 1.2	12 ± 1.2	9 ± 0.3
1000.0	10 ± 2.5 ^P	13 ± 1.5 ^P	5 ± 1.2 ^P	10 ± 1.5 ^P	6 ± 1.2 ^P
3333.0	12 ± 1.5 ^P	13 ± 2.4 ^P	4 ± 0.0 ^P	7 ± 0.7 ^P	5 ± 0.7 ^P
10000.0	7 ± 3.0 ^P	14 ± 1.5 ^P	4 ± 1.0 ^P	8 ± 2.9 ^P	4 ± 0.9 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴					284 ± 13.9
Positive Control ³	336 ± 27.0	492 ± 5.9			
Positive Control ⁵			152 ± 13.6	96 ± 6.1	

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	11 ± 2.0
100.0	12 ± 1.7
333.0	14 ± 3.1
1000.0	12 ± 1.5 ^p
3333.0	7 ± 2.0 ^p
10000.0	6 ± 0.6 ^p
Trial Summary	Negative
Positive Control ⁴	
Positive Control ³	
Positive Control ⁵	477 ± 41.0

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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	190 ± 8.5	159 ± 9.8	180 ± 14.4	192 ± 5.5	183 ± 3.2
100.0	194 ± 8.1	153 ± 3.5	192 ± 10.1	162 ± 2.0	179 ± 8.5
333.0	194 ± 7.7	118 ± 20.0	185 ± 3.7	189 ± 13.4	168 ± 8.2
1000.0	146 ± 10.8 ^P	122 ± 13.0 ^P	125 ± 14.4 ^P	209 ± 11.3 ^P	151 ± 12.9 ^P
3333.0	127 ± 1.7 ^P	108 ± 8.9 ^P	116 ± 23.9 ^P	136 ± 22.9 ^P	126 ± 22.8 ^P
10000.0	114 ± 20.6 ^P	93 ± 9.5 ^P	130 ± 33.7 ^P	173 ± 13.9 ^P	136 ± 5.3 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					678 ± 32.2
Positive Control ⁴			545 ± 36.3		
Positive Control ⁵				535 ± 37.3	
Positive Control ⁶	425 ± 8.1	729 ± 59.7			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	155 ± 7.9
100.0	184 ± 8.9
333.0	191 ± 10.8
1000.0	172 ± 9.0 ^p
3333.0	182 ± 27.4 ^p
10000.0	174 ± 31.8 ^p
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	564 ± 26.2
Positive Control ⁵	
Positive Control ⁶	

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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 ± 2.5	21 ± 2.4	30 ± 2.8	31 ± 1.5	27 ± 1.0
100.0	13 ± 3.8	17 ± 0.7	27 ± 0.7	28 ± 2.2	22 ± 5.3
333.0	13 ± 1.8	19 ± 2.1	21 ± 6.2	27 ± 3.0	13 ± 1.7
1000.0	11 ± 3.4 ^P	12 ± 0.6 ^P	15 ± 1.5 ^P	27 ± 0.3 ^P	14 ± 1.0 ^P
3333.0	10 ± 2.2 ^P	9 ± 2.3 ^P	12 ± 1.8 ^P	22 ± 0.6 ^P	11 ± 2.3 ^P
10000.0	9 ± 1.7 ^P	8 ± 0.7 ^P	15 ± 1.9 ^P	19 ± 1.7 ^P	10 ± 3.9 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					651 ± 19.4
Positive Control ⁴			384 ± 22.2	167 ± 14.5	
Positive Control ⁷	789 ± 33.4	1088 ± 34.7			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	31 ± 6.2
100.0	30 ± 5.0
333.0	29 ± 5.1
1000.0	20 ± 4.9 ^P
3333.0	18 ± 2.9 ^P
10000.0	21 ± 2.2 ^P
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	527 ± 19.3
Positive Control ⁷	

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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 Sodium Azide

4: 1.0 ug/Plate 2-Aminoanthracene

5: 2.5 ug/Plate 2-Aminoanthracene

6: 25.0 ug/Plate 9-Aminoacridine

7: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

** END OF REPORT **