

Experiment Number: 684566

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Methoxychlor

CAS Number: 72-43-5

Date Report Requested: 09/13/2018

Time Report Requested: 01:19:37

NTP Study Number:

684566

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	178 ± 6.8	151 ± 10.3	171 ± 4.9	139 ± 7.1	165 ± 3.0
100.0	156 ± 19.2	149 ± 9.0	164 ± 7.5	171 ± 8.8	183 ± 2.2
333.0	156 ± 15.1	139 ± 11.7	168 ± 7.4	173 ± 7.0	157 ± 8.2
1000.0	176 ± 9.1	154 ± 2.6	173 ± 6.8	161 ± 5.7	170 ± 8.4
3333.0	166 ± 16.0	144 ± 6.9	156 ± 4.1	153 ± 14.4	168 ± 3.8
10000.0	172 ± 4.9 ^p	140 ± 8.3 ^p	167 ± 7.8 ^p	147 ± 6.9 ^p	156 ± 2.8 ^p
Trial Summary	Negative	Negative	Negative	Equivocal	Negative
Positive Control ²	747 ± 13.7	591 ± 4.8			
Positive Control ³			727 ± 42.3	273 ± 19.5	2413 ± 59.8

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	132 ± 7.8
100.0	114 ± 3.8
333.0	117 ± 5.2
1000.0	127 ± 6.4
3333.0	123 ± 9.9
10000.0	149 ± 3.5 ^p
Trial Summary	Negative
Positive Control ²	
Positive Control ³	698 ± 28.2

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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	44 ± 5.9	32 ± 0.9	10 ± 1.2	17 ± 1.0	13 ± 3.6
100.0	40 ± 2.6	38 ± 5.7	12 ± 3.6	10 ± 2.3	11 ± 1.5
333.0	36 ± 1.5	45 ± 1.9	14 ± 1.5	13 ± 2.3	13 ± 1.8
1000.0	35 ± 3.3	43 ± 2.3	11 ± 1.8	14 ± 1.2	12 ± 2.1
3333.0	31 ± 5.9	43 ± 4.4	9 ± 0.7	15 ± 1.0	11 ± 0.3
10000.0	41 ± 1.0 ^p	34 ± 2.1 ^p	18 ± 1.5 ^p	16 ± 1.9 ^p	18 ± 0.9 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	529 ± 11.9	360 ± 23.5			
Positive Control ⁴			189 ± 11.5	112 ± 9.0	564 ± 5.2

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	12 ± 2.0
100.0	12 ± 2.8
333.0	14 ± 2.5
1000.0	14 ± 0.6
3333.0	14 ± 2.1
10000.0	11 ± 1.9 ^p
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	357 ± 32.5

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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	186 ± 0.9	150 ± 2.7	183 ± 3.4	189 ± 5.0	182 ± 5.7
100.0	187 ± 6.6	175 ± 1.2	177 ± 8.3	192 ± 13.9	184 ± 9.8
333.0	177 ± 9.4	173 ± 7.2	172 ± 7.5	184 ± 9.0	183 ± 15.0
1000.0	184 ± 5.8	171 ± 9.8	172 ± 3.2	191 ± 2.5	180 ± 7.0
3333.0	160 ± 2.9	167 ± 0.9	179 ± 3.5	189 ± 3.3	173 ± 7.3
10000.0	188 ± 10.7 ^P	167 ± 4.6 ^P	171 ± 3.3 ^P	190 ± 4.4 ^P	183 ± 6.7 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			1127 ± 18.2	550 ± 21.7	2019 ± 16.1
Positive Control ⁵	2009 ± 117.6	719 ± 26.4			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	193 ± 3.2
100.0	174 ± 9.0
333.0	198 ± 5.7
1000.0	181 ± 7.5
3333.0	180 ± 13.8
10000.0	187 ± 13.7 ^P
Trial Summary	Negative
Positive Control ⁴	1185 ± 82.6
Positive Control ⁵	

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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 ± 1.8	30 ± 0.9	40 ± 5.0	47 ± 2.2	50 ± 2.8
100.0	24 ± 3.6	33 ± 2.0	30 ± 2.0	45 ± 1.7	39 ± 5.5
333.0	26 ± 0.6	33 ± 1.8	37 ± 1.2	45 ± 5.2	41 ± 2.0
1000.0	21 ± 4.3	34 ± 1.2	39 ± 4.4	44 ± 0.6	42 ± 1.0
3333.0	22 ± 0.9	21 ± 2.3	39 ± 5.9	44 ± 3.3	48 ± 5.9
10000.0	27 ± 3.4 ^p	29 ± 3.3 ^p	44 ± 3.0 ^p	47 ± 1.0 ^p	56 ± 4.0 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³			316 ± 21.6	104 ± 6.2	1557 ± 82.5
Positive Control ⁶	1458 ± 111.0	1099 ± 37.6			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	42 ± 3.5
100.0	36 ± 4.9
333.0	37 ± 0.6
1000.0	41 ± 4.5
3333.0	42 ± 5.2
10000.0	41 ± 1.8 ^p
Trial Summary	Negative
Positive Control ³	366 ± 30.2
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: 1.0 ug/Plate Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

** END OF REPORT **