

Experiment Number: 632911

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Dichlorvos

CAS Number: 62-73-7

Date Report Requested: 09/10/2018

Time Report Requested: 22:27:57

NTP Study Number:

632911

Study Result:

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	86 ± 4.8	78 ± 7.9	78 ± 4.5	92 ± 5.5	79 ± 4.6
100.0	101 ± 1.0	93 ± 4.7	105 ± 1.7	95 ± 3.6	70 ± 11.3
333.0	134 ± 8.4	167 ± 9.6	112 ± 1.3	139 ± 9.0	102 ± 12.9
1000.0	299 ± 3.7	471 ± 10.4	181 ± 4.4	170 ± 8.0	193 ± 9.9
3333.0	390 ± 21.4 ^s	326 ± 36.8 ^s	339 ± 6.7	279 ± 3.9	391 ± 20.7
5000.0		71 ± 36.2 ^s		183 ± 3.0 ^s	
6666.0	Toxic		223 ± 27.6 ^s		0 ± 0.0 ^s
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²	279 ± 12.1	363 ± 14.0			
Positive Control ³					511 ± 9.4
Positive Control ⁴			297 ± 11.0	318 ± 7.9	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	92 ± 2.4
100.0	97 ± 9.7
333.0	132 ± 3.8
1000.0	190 ± 11.3
3333.0	315 ± 5.6
5000.0	291 ± 14.5 ^s
6666.0	
Trial Summary	Positive
Positive Control ²	
Positive Control ³	390 ± 9.9
Positive Control ⁴	

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Test Compound: Dichlorvos

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	17 ± 1.8	17 ± 2.0	22 ± 4.4	27 ± 5.3
100.0	19 ± 4.7	19 ± 0.9	23 ± 0.0	21 ± 2.2
333.0	14 ± 1.5	18 ± 1.5	23 ± 3.8	24 ± 2.3
1000.0	25 ± 4.3	19 ± 1.5	28 ± 4.6	21 ± 0.9
3333.0	32 ± 4.3 ^s	27 ± 2.2 ^s	25 ± 0.9	32 ± 3.5
5000.0		10 ± 3.2 ^s		
6666.0	Toxic		Toxic	9 ± 2.5 ^s
Trial Summary	Equivocal	Negative	Negative	Negative
Positive Control ⁵				113 ± 5.3
Positive Control ⁶	225 ± 24.8	171 ± 9.4		
Positive Control ³			108 ± 5.9	

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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 Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.0 ug/Plate 2-Aminoanthracene

5: 0.4 ug/Plate 2-Aminoanthracene

6: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****