

Experiment Number: 640725

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Dicofol

CAS Number: 115-32-2

Date Report Requested: 09/10/2018

Time Report Requested: 23:49:58

NTP Study Number:

640725

Study Result:

Negative

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Test Type: **Genetic Toxicology - Bacterial
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CAS Number: 115-32-2

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	102 ± 7.6	109 ± 3.8	107 ± 13.3	152 ± 15.3	124 ± 4.3
3.3		101 ± 3.0			
10.0	97 ± 10.4	96 ± 4.6		133 ± 19.4	
33.0	89 ± 6.9	87 ± 5.0		150 ± 18.4	
100.0	101 ± 12.5	119 ± 11.0	134 ± 6.9	146 ± 22.4	122 ± 8.4
333.0	Toxic	Toxic	63 ± 6.5	126 ± 18.3	108 ± 11.0
1000.0	Toxic		13 ± 1.5 ^P	105 ± 6.6 ^P	6 ± 0.6 ^P
3333.0			Toxic		Toxic
10000.0			0 ± 0.0 ^P		0 ± 0.0 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1904 ± 143.1	1296 ± 159.8	1213 ± 30.5
Positive Control ³	608 ± 3.5	680 ± 25.6			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	143 ± 19.2
3.3	
10.0	154 ± 7.5
33.0	137 ± 10.6
100.0	137 ± 14.8
333.0	131 ± 3.4
1000.0	60 ± 10.0
3333.0	
10000.0	
Trial Summary	Negative
Positive Control ²	2324 ± 111.7
Positive Control ³	

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

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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	6 ± 0.7	7 ± 1.9	12 ± 1.5	13 ± 2.2	15 ± 2.2
3.3		8 ± 1.5			
10.0	6 ± 0.3	7 ± 0.3		9 ± 0.3	
33.0	4 ± 0.3	7 ± 1.2		11 ± 0.7	
100.0	5 ± 1.2	5 ± 1.8	13 ± 0.6	14 ± 0.3	13 ± 0.7
333.0	Toxic	Toxic	17 ± 1.7	16 ± 1.8	11 ± 1.5
1000.0	Toxic		10 ± 1.5 ^P	0 ± 0.0 ^P	9 ± 2.1 ^P
3333.0			Toxic		Toxic
10000.0			0 ± 0.0 ^P		0 ± 0.0 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1539 ± 72.3	48 ± 2.4	2331 ± 216.5
Positive Control ³	603 ± 64.8	106 ± 9.4			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	13 ± 1.2
3.3	
10.0	12 ± 0.6
33.0	9 ± 1.0
100.0	10 ± 0.6
333.0	9 ± 0.7
1000.0	0 ± 0.0 ^p
3333.0	
10000.0	
Trial Summary	Negative
Positive Control ²	81 ± 5.0
Positive Control ³	

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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 ± 1.7	8 ± 1.2	13 ± 0.3	12 ± 3.8	11 ± 1.5
3.3		6 ± 0.3			
10.0	5 ± 1.0	6 ± 0.9		11 ± 0.7	
33.0	4 ± 0.7	4 ± 0.6		7 ± 1.5	
100.0	7 ± 0.9	5 ± 1.9	10 ± 0.0	11 ± 0.9	9 ± 0.3
333.0	Toxic	4 ± 0.7	9 ± 0.3	6 ± 0.9	11 ± 1.9
1000.0	Toxic		6 ± 0.6 ^P	0 ± 0.0 ^P	3 ± 0.3 ^P
3333.0			Toxic		Toxic
10000.0			0 ± 0.0 ^P		0 ± 0.0 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1337 ± 20.0	42 ± 6.4	2020 ± 59.3
Positive Control ⁴	730 ± 53.1	51 ± 9.9			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	13 ± 3.2
3.3	
10.0	13 ± 1.0
33.0	11 ± 1.0
100.0	8 ± 2.0
333.0	7 ± 1.7
1000.0	0 ± 0.0 ^p
3333.0	
10000.0	
Trial Summary	Negative
Positive Control ²	126 ± 24.7
Positive Control ⁴	

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CAS Number: 115-32-2

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	14 ± 2.3	15 ± 1.2	19 ± 3.2	16 ± 0.7	20 ± 2.9
3.3		14 ± 2.0			
10.0	13 ± 0.9	13 ± 2.4		14 ± 0.9	
33.0	12 ± 0.6	15 ± 1.2		21 ± 2.3	
100.0	2 ± 0.9	9 ± 4.4	19 ± 1.5	20 ± 2.1	18 ± 1.7
333.0	Toxic	9 ± 1.0	27 ± 1.2	22 ± 1.0	22 ± 1.2
1000.0	Toxic		13 ± 1.5 ^P	11 ± 0.3	12 ± 1.0 ^P
3333.0			Toxic		Toxic
10000.0			0 ± 0.0 ^P		0 ± 0.0 ^P
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1356 ± 81.9	616 ± 96.1	1604 ± 134.8
Positive Control ⁵	316 ± 19.1	306 ± 13.5			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	15 ± 3.4
3.3	
10.0	13 ± 1.2
33.0	15 ± 2.5
100.0	13 ± 1.7
333.0	12 ± 2.3
1000.0	7 ± 1.5
3333.0	
10000.0	
Trial Summary	Negative
Positive Control ²	1580 ± 157.6
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: Dimethyl Sulfoxide

2: 1.0 ug/Plate 2-Aminoanthracene

3: 3.3 ug/Plate Sodium Azide

4: 33.0 ug/Plate 9-Aminoacridine

5: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

** END OF REPORT **