

Experiment Number: 190513

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

G06: Ames Summary Data

Test Compound: **Dimethoate**

CAS Number: **60-51-5**

Date Report Requested: **09/14/2018**

Time Report Requested: **01:40:23**

NTP Study Number:

190513

Study Result:

Positive

Experiment Number: 190513

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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	98 ± 2.1	120 ± 13.3	118 ± 3.2	129 ± 11.5	131 ± 7.5
100.0	120 ± 11.8		133 ± 2.6		151 ± 3.8
333.0	95 ± 1.0		147 ± 2.2		143 ± 6.5
1000.0	132 ± 5.2		155 ± 3.0		152 ± 5.5
1667.0		183 ± 13.9		184 ± 5.7	
3333.0	160 ± 5.0	161 ± 19.9	213 ± 3.8	207 ± 14.2	240 ± 5.0
6667.0		138 ± 11.9		295 ± 9.2	
10000.0	192 ± 21.4	216 ± 11.4	331 ± 10.5	321 ± 21.1	357 ± 15.5
16667.0		201 ± 19.8		260 ± 130.2	
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²			2653 ± 60.3	2360 ± 54.4	1490 ± 377.6
Positive Control ³	781 ± 61.6	947 ± 102.5			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	136 ± 8.7
100.0	
333.0	
1000.0	
1667.0	164 ± 5.6
3333.0	204 ± 22.8
6667.0	276 ± 4.7
10000.0	313 ± 28.4
16667.0	322 ± 17.8
Trial Summary	Positive
Positive Control ²	2971 ± 278.5
Positive Control ³	

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Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	3 ± 0.6	4 ± 0.9	7 ± 2.0
100.0	7 ± 1.7	6 ± 1.8	5 ± 0.3
333.0	4 ± 0.6	7 ± 1.7	4 ± 0.9
1000.0	3 ± 0.7	6 ± 1.5	5 ± 1.0
3333.0	2 ± 0.9	7 ± 2.1	5 ± 0.0
10000.0	2 ± 0.3	4 ± 0.9	3 ± 0.3
Trial Summary	Negative	Negative	Negative
Positive Control ²		138 ± 23.4	93 ± 12.7
Positive Control ³	246 ± 28.0		

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Strain: TA1537

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	2 ± 0.9	5 ± 1.0	7 ± 0.7
100.0	2 ± 0.3	3 ± 0.3	7 ± 0.3
333.0	2 ± 0.6	7 ± 0.6	7 ± 0.7
1000.0	5 ± 0.9	5 ± 1.0	5 ± 1.8
3333.0	3 ± 1.2	5 ± 0.7	8 ± 1.5
10000.0	3 ± 0.3	2 ± 0.3	8 ± 1.2
Trial Summary	Negative	Negative	Negative
Positive Control ²		177 ± 19.1	172 ± 20.5
Positive Control ⁴	1189 ± 137.5		

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Test Compound: Dimethoate
CAS Number: 60-51-5

Date Report Requested: 09/14/2018
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Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	16 ± 2.0	26 ± 1.2	29 ± 3.4
100.0	14 ± 2.9	23 ± 0.7	21 ± 3.8
333.0	15 ± 0.9	32 ± 0.3	23 ± 0.9
1000.0	16 ± 1.8	31 ± 3.2	30 ± 2.8
3333.0	11 ± 2.3	29 ± 2.3	23 ± 2.4
10000.0	16 ± 2.4	22 ± 0.3	14 ± 0.6
Trial Summary	Negative	Negative	Negative
Positive Control ²		1767 ± 56.1	1823 ± 108.7
Positive Control ⁵	391 ± 30.2		

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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: 95% Ethanol

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

**** END OF REPORT ****