

Experiment Number: A23071

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

G06: Ames Summary Data

Test Compound: **Dimethyltin dichloride**

CAS Number: **753-73-1**

Date Report Requested: **09/16/2018**

Time Report Requested: **10:46:36**

NTP Study Number:

A23071

Study Result:

Negative

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Test Compound: Dimethyltin dichloride

CAS Number: 753-73-1

Date Report Requested: 09/16/2018

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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	99 ± 3.5	105 ± 6.2	113 ± 11.8	112 ± 3.0	121 ± 3.3
33.0	107 ± 4.4			105 ± 2.6	
100.0	104 ± 3.5	117 ± 9.6	115 ± 9.0	447 ± 330.3	120 ± 10.4
333.0	111 ± 4.0	105 ± 2.1	101 ± 5.2	116 ± 7.9	108 ± 7.5
1000.0	105 ± 3.0	88 ± 13.3	115 ± 0.3	107 ± 5.8	96 ± 6.1
3333.0	37 ± 15.1	99 ± 5.5	107 ± 1.7	88 ± 5.5	94 ± 8.3
6666.0		Toxic	Toxic		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1081 ± 26.2
Positive Control ³			791 ± 109.8		
Positive Control ⁴				766 ± 50.5	
Positive Control ⁵	1036 ± 28.0	884 ± 22.8			

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	115 ± 4.9
33.0	103 ± 2.6
100.0	111 ± 5.2
333.0	103 ± 13.4
1000.0	109 ± 1.2
3333.0	77 ± 5.8
6666.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ³	1465 ± 88.9
Positive Control ⁴	
Positive Control ⁵	

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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	23 ± 2.7	12 ± 3.3	10 ± 2.5	16 ± 1.8	11 ± 3.2
100.0	26 ± 5.9	17 ± 0.7	13 ± 2.3	18 ± 4.2	12 ± 2.2
333.0	28 ± 2.0	18 ± 1.2	16 ± 1.5	18 ± 1.2	13 ± 0.6
1000.0	23 ± 3.3	14 ± 0.6	14 ± 0.3	14 ± 0.7	13 ± 2.6
3333.0	15 ± 5.2	17 ± 3.0	9 ± 2.1	14 ± 1.5	14 ± 0.3
6666.0	4 ± 1.0	Toxic	3 ± 1.0 ^s	8 ± 1.0	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					183 ± 4.1
Positive Control ⁴			189 ± 10.5		
Positive Control ⁵	1234 ± 21.1	1066 ± 33.5			
Positive Control ⁶				400 ± 14.2	

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Test Compound: Dimethyltin dichloride

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	14 ± 2.6
100.0	12 ± 1.7
333.0	13 ± 1.3
1000.0	15 ± 1.5
3333.0	14 ± 0.6
6666.0	9 ± 1.0
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	475 ± 36.1
Positive Control ⁵	
Positive Control ⁶	

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Date Report Requested: 09/16/2018

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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	115 ± 3.0	117 ± 9.9	106 ± 5.5	128 ± 0.3	91 ± 1.2
100.0	113 ± 2.9	130 ± 2.7	106 ± 12.8	112 ± 2.3	103 ± 4.5
333.0	119 ± 1.2	115 ± 8.1	93 ± 5.5	115 ± 6.4	126 ± 35.8
1000.0	117 ± 6.6	101 ± 10.8	111 ± 2.0	127 ± 6.4	113 ± 2.2
3333.0	116 ± 3.6	113 ± 1.9	88 ± 11.8	125 ± 4.3	95 ± 6.7
6666.0	84 ± 20.0	Toxic	Toxic	92 ± 8.8	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					828 ± 2.4
Positive Control ³			624 ± 15.8		
Positive Control ⁴				755 ± 30.9	
Positive Control ⁷	541 ± 9.5	515 ± 29.5			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	122 ± 8.5
100.0	115 ± 2.7
333.0	118 ± 5.9
1000.0	126 ± 4.2
3333.0	125 ± 4.2
6666.0	88 ± 6.4
Trial Summary	Negative
Positive Control ²	
Positive Control ³	751 ± 20.3
Positive Control ⁴	
Positive Control ⁷	

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Test Compound: Dimethyltin dichloride

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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	17 ± 2.0	27 ± 5.1	24 ± 6.0	25 ± 4.1	30 ± 2.8
33.0	24 ± 2.2			24 ± 2.1	
100.0	19 ± 1.9	24 ± 1.8	21 ± 1.5	28 ± 2.6	29 ± 0.7
333.0	21 ± 2.0	22 ± 3.3	20 ± 4.2	25 ± 2.2	27 ± 2.2
1000.0	19 ± 3.3	27 ± 1.5	22 ± 5.7	16 ± 1.3	21 ± 2.0
3333.0	6 ± 0.9	16 ± 1.0	15 ± 3.1	12 ± 2.7	20 ± 3.7
6666.0		Toxic	Toxic		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					870 ± 49.4
Positive Control ³			535 ± 10.3		
Positive Control ⁸	775 ± 21.0	600 ± 14.3			
Positive Control ⁴				1166 ± 63.2	

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	25 ± 1.0
33.0	22 ± 3.0
100.0	26 ± 2.3
333.0	19 ± 1.5
1000.0	19 ± 0.9
3333.0	7 ± 2.3
6666.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ³	1529 ± 31.3
Positive Control ⁸	
Positive Control ⁴	

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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: Water

2: 1.0 ug/Plate 2-Aminoanthracene

3: 2.0 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate 2-Aminoanthracene

5: 5.0 ug/Plate Sodium Azide

6: 10.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****