

Experiment Number: A08261

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

G06: Ames Summary Data

Test Compound: **Monobutyltin trichloride**

CAS Number: 1118-46-3

Date Report Requested: 09/15/2018

Time Report Requested: 16:28:18

NTP Study Number:

A08261

Study Result:

Negative

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Strain: TA100

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	197 ± 3.8	219 ± 5.9	162 ± 17.0	228 ± 3.1	182 ± 19.6
100.0	208 ± 4.4	202 ± 8.7	168 ± 1.0	214 ± 6.4	185 ± 8.7
333.0	190 ± 3.5	219 ± 11.6	150 ± 9.7	206 ± 6.9	174 ± 5.2
1000.0	201 ± 7.2	212 ± 6.1	151 ± 11.5	213 ± 1.7	200 ± 8.2
3333.0	200 ± 1.8	199 ± 12.9 ^P	159 ± 8.4 ^P	219 ± 8.7 ^P	209 ± 3.0 ^P
10000.0	112 ± 17.2 ^S	134 ± 7.8 ^X	112 ± 1.7 ^X	144 ± 5.2 ^X	116 ± 7.0 ^X
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²				1917 ± 20.9	
Positive Control ³	650 ± 22.2				
Positive Control ⁴		984 ± 53.9			
Positive Control ⁵					1840 ± 25.9
Positive Control ⁶			957 ± 73.6		

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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	22 ± 2.3	19 ± 1.3	14 ± 1.5	19 ± 1.8	17 ± 2.4
100.0	20 ± 0.6	15 ± 2.3	18 ± 0.7	16 ± 2.3	18 ± 2.9
333.0	21 ± 1.0	18 ± 1.0	16 ± 1.8	17 ± 3.1	21 ± 3.8
1000.0	15 ± 0.9	13 ± 2.6	14 ± 1.5	18 ± 3.6	19 ± 1.0
3333.0	12 ± 1.2	11 ± 1.2	16 ± 2.4 ^P	17 ± 0.7 ^P	17 ± 0.9 ^P
10000.0	6 ± 1.2 ^S	9 ± 0.3 ^S	9 ± 0.9 ^X	14 ± 1.7 ^P	8 ± 1.8 ^X
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					122 ± 5.2
Positive Control ³	263 ± 2.3	285 ± 8.2			
Positive Control ⁵					
Positive Control ⁶			320 ± 29.6	160 ± 15.3	

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	19 ± 3.0
100.0	16 ± 2.2
333.0	15 ± 2.5
1000.0	16 ± 2.1
3333.0	16 ± 1.3 ^p
10000.0	12 ± 0.6 ^p
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁵	183 ± 91.2
Positive Control ⁶	

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control ¹	134 ± 4.9	148 ± 12.0	144 ± 6.7	152 ± 6.4	219 ± 10.9
3.3		135 ± 17.2			
10.0		141 ± 8.2			
33.0		133 ± 14.5			
100.0	165 ± 9.2	137 ± 5.8	144 ± 7.7	140 ± 7.4	232 ± 17.1
333.0	160 ± 4.9	140 ± 20.9	140 ± 7.1	123 ± 5.5	206 ± 17.6
1000.0	163 ± 6.9		143 ± 9.4	132 ± 7.0	240 ± 14.2
3333.0	137 ± 7.4		130 ± 1.8	117 ± 12.0 ^p	233 ± 9.0 ^p
10000.0	105 ± 9.1 ^s		86 ± 5.8 ^s	103 ± 10.7 ^x	178 ± 8.2 ^p
Trial Summary	Equivocal	Negative	Negative	Negative	Negative
Positive Control ⁴					
Positive Control ⁶				1815 ± 239.2	651 ± 21.9
Positive Control ⁷	938 ± 126.2	644 ± 19.7	730 ± 33.5		

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Strain: TA97

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	171 ± 5.5	218 ± 11.0
3.3		
10.0		
33.0		
100.0	172 ± 9.0	198 ± 5.5
333.0	178 ± 5.4	174 ± 21.1
1000.0	176 ± 8.1	154 ± 24.7
3333.0	151 ± 11.6 ^P	157 ± 5.0 ^P
10000.0	137 ± 10.6 ^X	145 ± 7.4 ^P
Trial Summary	Negative	Negative
Positive Control ⁴	1212 ± 69.8	
Positive Control ⁶		1457 ± 35.5
Positive Control ⁷		

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 30% Rat S9
Vehicle Control ¹	15 ± 0.7	15 ± 1.9	25 ± 1.8	20 ± 1.5	15 ± 2.4
100.0	15 ± 3.2	14 ± 2.0	24 ± 2.7	18 ± 2.6	19 ± 4.9
333.0	16 ± 2.2	12 ± 1.2	21 ± 0.9	23 ± 3.2	21 ± 3.7
1000.0	15 ± 1.5	18 ± 0.9	26 ± 2.7	31 ± 2.4	18 ± 4.2
2000.0					18 ± 2.0
3333.0	15 ± 2.3	20 ± 2.4	20 ± 5.0 ^p	23 ± 1.8 ^p	16 ± 2.3 ^p
10000.0	6 ± 1.5 ^s	5 ± 1.5 ^s	7 ± 1.5 ^x	8 ± 1.2 ^x	
Trial Summary	Negative	Negative	Negative	Equivocal	Negative
Positive Control ²			584 ± 45.2		
Positive Control ⁸	110 ± 7.1	103 ± 3.2			
Positive Control ⁵				411 ± 41.2	339 ± 19.1

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	20 ± 1.5	26 ± 2.3
100.0	25 ± 3.0	27 ± 2.1
333.0	23 ± 0.3	25 ± 2.8
1000.0	25 ± 1.5	21 ± 4.9
2000.0		
3333.0	22 ± 3.2 ^P	26 ± 3.1 ^P
10000.0	8 ± 0.0 ^X	17 ± 0.9 ^X
Trial Summary	Negative	Negative
Positive Control ²	1006 ± 65.7	
Positive Control ⁸		
Positive Control ⁵		1536 ± 45.5

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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: Water

2: 0.4 ug/Plate 2-Aminoanthracene

3: 0.5 ug/Plate Sodium Azide

4: 0.75 ug/Plate 2-Aminoanthracene

5: 1.0 ug/Plate 2-Aminoanthracene

6: 2.0 ug/Plate 2-Aminoanthracene

7: 24.0 ug/Plate 9-Aminoacridine

8: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

s: Slight Toxicity

x: Slight Toxicity and Precipitate

**** END OF REPORT ****