

Experiment Number: 926250

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Butyl Paraben

CAS Number: 94-26-8

Date Report Requested: 09/17/2018

Time Report Requested: 07:25:46

NTP Study Number:

926250

Study Result:

Negative

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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	91 ± 6.4	106 ± 8.5	146 ± 3.8	126 ± 14.2	119 ± 14.4
1.0		120 ± 3.9			
3.0	92 ± 0.6	113 ± 5.5			
10.0	91 ± 12.5	104 ± 4.6	140 ± 17.5		134 ± 1.8
33.0	100 ± 4.6	103 ± 2.7	133 ± 5.2	157 ± 17.1	131 ± 2.6
100.0	82 ± 3.3	86 ± 3.8	130 ± 10.0	158 ± 8.3	111 ± 1.5
166.0	45 ± 10.1 ^s				
333.0			118 ± 8.9	134 ± 3.8	94 ± 3.0
1000.0			0 ± 0.0 ^s	119 ± 9.0	17 ± 0.6 ^s
3333.0				Toxic	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					821 ± 40.4
Positive Control ³			354 ± 9.2		
Positive Control ⁴				359 ± 12.1	
Positive Control ⁵	1219 ± 41.3	868 ± 8.2			

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	119 ± 10.2
1.0	
3.0	
10.0	
33.0	112 ± 0.3
100.0	106 ± 9.5
166.0	
333.0	110 ± 3.8
1000.0	110 ± 3.8
3333.0	125 ± 6.7 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	678 ± 9.9
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	8 ± 2.0	10 ± 2.1	10 ± 1.5	10 ± 2.3	9 ± 0.7
1.0	7 ± 2.7	12 ± 0.7			
3.0	8 ± 0.6	9 ± 1.5	7 ± 0.3		8 ± 1.0
10.0	8 ± 2.6	6 ± 0.7	7 ± 0.9	10 ± 2.0	10 ± 1.9
33.0	4 ± 0.7	9 ± 2.0	10 ± 0.9	10 ± 2.3	8 ± 1.9
100.0	5 ± 0.3	7 ± 1.5	11 ± 0.3	12 ± 3.2	9 ± 2.1
333.0			7 ± 0.9	13 ± 2.4	7 ± 2.0
1000.0				4 ± 1.2 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					86 ± 4.0
Positive Control ⁴			69 ± 3.2		
Positive Control ⁵	1220 ± 44.1	1031 ± 17.7			
Positive Control ⁶				59 ± 3.9	

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	8 ± 0.6
1.0	
3.0	
10.0	7 ± 1.5
33.0	8 ± 2.9
100.0	9 ± 2.5
333.0	6 ± 1.9
1000.0	6 ± 1.8 ^s
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	185 ± 6.6
Positive Control ⁵	
Positive Control ⁶	

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Test Compound: Butyl Paraben

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Date Report Requested: 09/17/2018

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control ¹	169 ± 9.5	161 ± 4.9	197 ± 2.1	187 ± 6.7	229 ± 4.4
1.0	153 ± 4.9	185 ± 7.8			
3.0	151 ± 8.2	169 ± 4.8		192 ± 3.3	
10.0	173 ± 12.4	185 ± 13.3	185 ± 5.7	203 ± 4.7	210 ± 6.7
33.0	175 ± 4.0	168 ± 1.8	192 ± 10.5	170 ± 11.0	203 ± 20.7
100.0	169 ± 9.8	132 ± 11.6	207 ± 2.4	194 ± 10.5	211 ± 4.9
333.0			140 ± 18.9	134 ± 6.1 ^s	189 ± 15.6
1000.0			43 ± 36.0 ^s		189 ± 7.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					
Positive Control ³			303 ± 16.0		
Positive Control ⁴				357 ± 17.9	347 ± 5.5
Positive Control ⁷	378 ± 14.9	456 ± 25.4			

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Strain: TA97

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	173 ± 4.7	156 ± 2.7	162 ± 13.6
1.0			
3.0		142 ± 3.8	
10.0	180 ± 5.0	153 ± 3.2	154 ± 5.9
33.0	178 ± 9.8	161 ± 5.2	170 ± 7.5
100.0	187 ± 7.2	155 ± 9.9	161 ± 9.5
333.0	136 ± 7.3 ^s	115 ± 4.8 ^s	173 ± 5.9
1000.0	47 ± 30.4 ^s		175 ± 6.3
Trial Summary	Negative	Negative	Negative
Positive Control ²	419 ± 10.5		
Positive Control ³		383 ± 11.5	399 ± 60.9
Positive Control ⁴			
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	17 ± 1.2	24 ± 2.3	36 ± 1.8	33 ± 2.2	32 ± 3.4
1.0		19 ± 3.5			
3.0	14 ± 3.8	21 ± 3.5	36 ± 2.3		31 ± 0.7
10.0	19 ± 1.5	30 ± 3.5	33 ± 3.9		25 ± 2.6
33.0	15 ± 0.9	20 ± 2.5	23 ± 2.8	20 ± 3.1	25 ± 0.3
100.0	18 ± 1.5	22 ± 4.8	30 ± 5.8	24 ± 2.6	22 ± 2.0
166.0	1 ± 0.9 ^s				
333.0			12 ± 3.4 ^s	11 ± 1.5	13 ± 3.5
1000.0				5 ± 1.8 ^s	
3333.0				Toxic	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					
Positive Control ³			228 ± 16.2	150 ± 11.5	112 ± 1.9
Positive Control ⁸	692 ± 77.9	764 ± 25.3			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	24 ± 4.3	27 ± 7.8	15 ± 1.5
1.0			
3.0	21 ± 3.4		18 ± 1.3
10.0	21 ± 2.1		22 ± 2.8
33.0	22 ± 2.7	20 ± 3.8	18 ± 3.0
100.0	24 ± 4.4	19 ± 1.3	18 ± 3.3
166.0			
333.0	12 ± 2.0 ^s	21 ± 1.5	15 ± 0.9
1000.0		4 ± 3.7 ^s	
3333.0		Toxic	
Trial Summary	Negative	Negative	Negative
Positive Control ²	632 ± 33.2		
Positive Control ³		480 ± 37.8	583 ± 5.0
Positive Control ⁸			

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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 2-Aminoanthracene
- 3: 1.0 ug/Plate 2-Aminoanthracene
- 4: 2.5 ug/Plate 2-Aminoanthracene
- 5: 5.0 ug/Plate Sodium Azide
- 6: 5.0 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 **