

Experiment Number: 725373

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Bisphenol A diglycidyl ether

CAS Number: 1675-54-3

Date Report Requested: 09/12/2018

Time Report Requested: 19:16:34

NTP Study Number:

725373

Study Result:

Positive

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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	125 ± 7.1	107 ± 5.9	145 ± 3.8	130 ± 6.0	145 ± 8.5
10.0		180 ± 9.2			
33.0		244 ± 16.5			
100.0	484 ± 37.2	436 ± 46.2	126 ± 12.4	122 ± 8.3	134 ± 15.4
333.0	772 ± 37.8	679 ± 15.9	179 ± 8.4	158 ± 8.0	136 ± 8.0
666.0					
1000.0	846 ± 39.2	917 ± 74.4	468 ± 18.1	471 ± 14.3	236 ± 10.5
3333.0	942 ± 35.7		794 ± 14.4	792 ± 24.6	494 ± 30.6
10000.0	969 ± 28.3		1067 ± 30.8	929 ± 19.5	640 ± 20.3
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²			961 ± 27.1	314 ± 11.7	2024 ± 26.6
Positive Control ³	399 ± 26.2	379 ± 9.4			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	135 ± 9.0
10.0	
33.0	
100.0	
333.0	176 ± 10.9
666.0	207 ± 20.4
1000.0	246 ± 12.7
3333.0	522 ± 34.1
10000.0	524 ± 26.4
Trial Summary	Positive
Positive Control ²	894 ± 34.2
Positive Control ³	

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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	24 ± 2.7	19 ± 1.2	12 ± 2.5	9 ± 2.1	9 ± 2.0
100.0	39 ± 1.5		15 ± 1.0	8 ± 0.0	14 ± 2.9
333.0	33 ± 3.5	38 ± 4.7	38 ± 3.2	19 ± 3.8	14 ± 0.7
666.0					
1000.0	31 ± 4.9	32 ± 3.2	154 ± 6.2	220 ± 25.7	53 ± 3.6
1666.0		41 ± 3.9			
3333.0	46 ± 3.2	36 ± 3.2	491 ± 7.0	510 ± 14.7	287 ± 6.7
10000.0	48 ± 2.0	33 ± 1.9	583 ± 24.6	556 ± 25.3	434 ± 21.7
Trial Summary	Weakly Positive	Weakly Positive	Positive	Positive	Positive
Positive Control ³	501 ± 17.0	480 ± 23.2			
Positive Control ⁴			181 ± 10.4	212 ± 2.3	518 ± 26.6

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	11 ± 2.7
100.0	
333.0	12 ± 2.3
666.0	43 ± 1.9
1000.0	89 ± 6.4
1666.0	
3333.0	374 ± 11.5
10000.0	471 ± 42.3
Trial Summary	Positive
Positive Control ³	
Positive Control ⁴	327 ± 3.3

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Strain: TA1537

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	5 ± 2.5	7 ± 1.2	7 ± 1.8
100.0	6 ± 1.9	8 ± 2.3	6 ± 0.6
333.0	6 ± 1.5	8 ± 1.2	10 ± 1.5
1000.0	6 ± 1.7	8 ± 2.3	7 ± 0.6
3333.0	5 ± 0.6	9 ± 0.6	8 ± 0.7
10000.0	4 ± 0.6	14 ± 2.3	9 ± 1.3
Trial Summary	Negative	Negative	Negative
Positive Control ⁴		202 ± 6.9	432 ± 29.7
Positive Control ⁵	201 ± 35.7		

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Test Compound: Bisphenol A diglycidyl ether

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Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	19 ± 2.3	30 ± 0.9	29 ± 3.5
100.0	20 ± 4.2	30 ± 4.7	29 ± 3.5
333.0	17 ± 4.4	34 ± 5.0	36 ± 1.8
1000.0	16 ± 1.8	45 ± 2.2	26 ± 4.4
3333.0	19 ± 3.5	41 ± 2.2	35 ± 6.8
10000.0	20 ± 3.2	48 ± 2.7	37 ± 3.9
Trial Summary	Negative	Equivocal	Negative
Positive Control ²		714 ± 25.8	1619 ± 23.6
Positive Control ⁶	601 ± 12.6		

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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: 1.0 ug/Plate Sodium Azide

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****