

Experiment Number: 746428

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Amsco solvent F (65%)

CAS Number: AMSCO65SOLF

Date Report Requested: 09/17/2018

Time Report Requested: 10:07:36

NTP Study Number:

746428

Study Result:

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 5% Rat S9	With 10% Rat S9	With 5% Hamster S9
Vehicle Control ¹	88 ± 0.3	128 ± 3.5	131 ± 6.4	114 ± 1.8	124 ± 8.7
0.3	103 ± 7.7				
1.0	101 ± 4.7	151 ± 7.5	137 ± 7.2		121 ± 7.3
3.3	135 ± 8.2	199 ± 8.2	142 ± 7.5	108 ± 6.7	133 ± 5.7
5.0		295 ± 17.9			
10.0	336 ± 21.5	354 ± 26.7	133 ± 4.3	101 ± 4.2	123 ± 3.6
15.0		186 ± 34.9 ^s			
20.0	107 ± 17.5 ^s	30 ± 4.8 ^s			
33.0			138 ± 1.3	106 ± 4.2	132 ± 3.2
100.0			43 ± 5.3 ^s	125 ± 10.5 ^s	62 ± 7.9 ^s
200.0				122 ± 5.9 ^s	
Trial Summary	Positive	Positive	Negative	Negative	Negative
Positive Control ²					2003 ± 15.8
Positive Control ³			2457 ± 50.9	2213 ± 60.8	
Positive Control ⁴	1072 ± 17.0	1031 ± 44.0			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	97 ± 6.4
0.3	
1.0	
3.3	94 ± 6.5
5.0	
10.0	84 ± 2.5
15.0	
20.0	
33.0	104 ± 4.4
100.0	126 ± 5.7 ^s
200.0	83 ± 6.8 ^s
Trial Summary	Negative
Positive Control ²	1191 ± 28.9
Positive Control ³	
Positive Control ⁴	

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Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	25 ± 0.7	14 ± 1.5	11 ± 2.2
0.3	24 ± 1.2		
1.0	27 ± 2.6		
3.3	24 ± 2.0	12 ± 1.5	10 ± 2.2
10.0	24 ± 5.0 ^s	9 ± 1.8	8 ± 1.5
20.0	12 ± 1.5 ^s		
33.0		15 ± 3.1	8 ± 2.2
100.0		13 ± 0.7 ^s	10 ± 0.3 ^s
200.0		10 ± 1.3 ^s	5 ± 0.3 ^s
Trial Summary	Negative	Negative	Negative
Positive Control ²			99 ± 3.7
Positive Control ³		109 ± 3.2	
Positive Control ⁴	911 ± 8.7		

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Mutagenicity**G06: Ames Summary Data**

Test Compound: Amsco solvent F (65%)

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Date Report Requested: 09/17/2018

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 5% Rat S9	With 10% Rat S9	With 5% Hamster S9
Vehicle Control ¹	101 ± 5.2	128 ± 5.0	138 ± 4.5	122 ± 4.7	144 ± 2.4
0.3	106 ± 5.1				
1.0	105 ± 9.4	121 ± 6.3	130 ± 7.8		148 ± 8.0
3.3	113 ± 2.6	169 ± 2.6	148 ± 4.4	122 ± 8.5	121 ± 7.4
5.0		213 ± 1.5			
10.0	229 ± 13.9	167 ± 20.9	143 ± 2.2	118 ± 2.2	132 ± 4.9
15.0		114 ± 7.1 ^s			
20.0	118 ± 5.0 ^s	56 ± 4.1 ^s			
33.0			120 ± 8.8	107 ± 3.7	125 ± 12.4
100.0			95 ± 3.8 ^s	114 ± 1.9 ^s	92 ± 5.9 ^s
200.0				138 ± 26.7 ^s	
Trial Summary	Equivocal	Equivocal	Negative	Negative	Negative
Positive Control ²					1195 ± 36.0
Positive Control ³			1199 ± 4.4	1394 ± 17.4	
Positive Control ⁵	366 ± 17.7	1008 ± 12.2			

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Strain: TA97

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	123 ± 9.1
0.3	
1.0	
3.3	123 ± 6.7
5.0	
10.0	125 ± 4.2
15.0	
20.0	
33.0	101 ± 4.5
100.0	135 ± 3.7 ^s
200.0	91 ± 3.3 ^s
Trial Summary	Negative
Positive Control ²	1024 ± 20.9
Positive Control ³	
Positive Control ⁵	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 5% Rat S9	With 10% Rat S9	With 5% Hamster S9
Vehicle Control ¹	16 ± 2.3	19 ± 0.9	36 ± 4.4	27 ± 2.4	36 ± 1.9
0.3	15 ± 1.5				
1.0	14 ± 1.2	21 ± 3.6	32 ± 5.9		29 ± 2.9
3.3	25 ± 2.6	31 ± 1.2	36 ± 0.3	33 ± 5.1	35 ± 1.3
5.0		42 ± 4.6			
10.0	52 ± 5.3	60 ± 3.7	33 ± 5.5	31 ± 0.6	32 ± 0.3
15.0		32 ± 5.8			
20.0	47 ± 2.4 ^s	15 ± 1.2 ^s			
33.0			26 ± 0.6	26 ± 4.2	31 ± 3.4
100.0			14 ± 1.2 ^s	27 ± 1.5	14 ± 1.9 ^s
200.0				20 ± 2.6 ^s	
Trial Summary	Positive	Positive	Negative	Negative	Negative
Positive Control ²					1909 ± 100.1
Positive Control ³			2277 ± 191.3	1489 ± 70.1	
Positive Control ⁶	1486 ± 2.7	1737 ± 60.4			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	36 ± 1.3
0.3	
1.0	
3.3	25 ± 4.3
5.0	
10.0	23 ± 2.5
15.0	
20.0	
33.0	33 ± 5.7
100.0	33 ± 2.4
200.0	22 ± 4.1 ^s
Trial Summary	Negative
Positive Control ²	915 ± 40.1
Positive Control ³	
Positive Control 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: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 4.0 ug/Plate 9-Aminoacridine

6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****