

Experiment Number: A29455

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Metal working fluids (Cimperial 1070)

CAS Number: CMPERIAL1070

Date Report Requested: 09/18/2018

Time Report Requested: 09:34:43

NTP Study Number:

A29455

Study Result:

Positive

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Strain: TA100				
Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	52 ± 9.1	54 ± 8.4	39 ± 3.3	52 ± 4.5
500.0	58 ± 5.9			
750.0	59 ± 3.8			86 ± 5.8
1000.0	44 ± 8.9			108 ± 17.4
2000.0		34 ± 9.5	49 ± 4.2	
2500.0	49 ± 3.7			123 ± 1.7
4000.0		39 ± 2.2	69 ± 4.7	
5000.0	26 ± 3.3			104 ± 6.7
6000.0		31 ± 1.5	79 ± 2.7	
7500.0				79 ± 6.7
8000.0		38 ± 3.9	84 ± 5.0	
10000.0		26 ± 4.4	90 ± 3.5	86 ± 1.2
Trial Summary	Negative	Negative	Positive	Positive
Positive Control ²	402 ± 16.7	614 ± 8.8		
Positive Control ³			525 ± 47.2	1107 ± 45.5

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	21 ± 3.5	17 ± 2.8	24 ± 2.3	19 ± 2.6
500.0	19 ± 4.0			
750.0	17 ± 1.7		29 ± 2.7	
1000.0	17 ± 1.5		28 ± 2.6	
2000.0		21 ± 7.9		18 ± 0.9
2500.0	13 ± 1.7		42 ± 3.0	
4000.0		16 ± 3.6		16 ± 3.2
5000.0	14 ± 1.2		44 ± 4.7	
6000.0		26 ± 3.2		26 ± 4.9
7500.0			54 ± 6.2	
8000.0		15 ± 1.5		44 ± 2.1
10000.0		12 ± 6.0	42 ± 4.1	33 ± 5.8
Trial Summary	Negative	Negative	Positive	Positive
Positive Control ³			1253 ± 266.8	657 ± 21.6
Positive Control ⁴	394 ± 14.2	465 ± 12.7		

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Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	184 ± 10.5	241 ± 11.0	232 ± 21.7	274 ± 5.6
750.0	226 ± 14.2		301 ± 5.7	
1000.0	239 ± 11.1		349 ± 20.7	
2000.0		274 ± 10.7		318 ± 5.8
2500.0	211 ± 14.5		338 ± 22.6	
4000.0		312 ± 5.7		318 ± 13.8
5000.0	278 ± 7.8		300 ± 40.6	
6000.0		303 ± 6.9		346 ± 31.3
7500.0	288 ± 13.0		428 ± 14.7	
8000.0		304 ± 44.0		373 ± 17.6
10000.0	271 ± 13.1	307 ± 42.5	389 ± 3.8	333 ± 17.3
Trial Summary	Equivocal	Negative	Positive	Equivocal
Positive Control ⁵			731 ± 30.0	769 ± 38.9
Positive Control ⁶	543 ± 48.3	720 ± 63.5		

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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: 1.0 ug/Plate Sodium Azide

3: 2.5 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate 2-Nitrofluorene

5: 20.0 ug/Plate 2-Aminoanthracene

6: 4000.0 ug/Plate Methyl Methane Sulfonate

**** END OF REPORT ****