

Experiment Number: A05866

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

G06: Ames Summary Data

Test Compound: **Metal working fluids (Cleardge 6584)**

CAS Number: **CLEAREDG6584**

Date Report Requested: **09/18/2018**

Time Report Requested: **09:08:51**

NTP Study Number:

A05866

Study Result:

Negative

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Strain: TA100				
Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	57 ± 6.3	44 ± 6.0	55 ± 5.2	39 ± 0.3
100.0	61 ± 6.4	50 ± 3.7	54 ± 3.5	47 ± 5.6
500.0	56 ± 2.1	42 ± 1.5	53 ± 2.7	54 ± 4.4
750.0	52 ± 4.8	34 ± 4.9		
1000.0	42 ± 6.0	46 ± 6.7	70 ± 0.3	52 ± 2.3
2500.0	42 ± 2.7	40 ± 2.0	57 ± 6.4	50 ± 8.2
5000.0			43 ± 2.9	45 ± 3.8
7500.0			45 ± 5.7	49 ± 2.3
10000.0			51 ± 3.8	56 ± 5.5
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	448 ± 6.4	302 ± 46.7		
Positive Control ³			1184 ± 24.2	908 ± 52.9

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	24 ± 2.1	16 ± 1.5	26 ± 1.5	27 ± 5.2
100.0	16 ± 1.9	15 ± 4.7	23 ± 2.9	26 ± 4.9
500.0	13 ± 3.4	8 ± 2.5	18 ± 0.3	32 ± 2.6
750.0	17 ± 3.5	12 ± 0.9		
1000.0	18 ± 2.0	15 ± 2.2	19 ± 2.3	25 ± 3.8
2500.0	12 ± 4.3	5 ± 0.3	25 ± 4.9	23 ± 6.8
5000.0			30 ± 3.2	29 ± 4.0
7500.0			22 ± 1.2	16 ± 4.3
10000.0			17 ± 3.3	14 ± 3.5
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ³			1483 ± 69.9	773 ± 183.6
Positive Control ⁴	569 ± 21.0	394 ± 35.4		

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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	With 10% Rat S9
Vehicle Control ¹	201 ± 26.2	216 ± 15.6	245 ± 6.4	205 ± 26.4	317 ± 19.4
100.0	182 ± 33.2	208 ± 8.4	214 ± 36.4	309 ± 10.5	311 ± 10.5
500.0	240 ± 17.0	219 ± 19.2	266 ± 13.2	280 ± 23.1	328 ± 9.8
1000.0	282 ± 8.7	169 ± 53.8	309 ± 11.8	295 ± 16.0	344 ± 7.6
2500.0	279 ± 21.2	117 ± 7.0	340 ± 36.4	155 ± 4.1	331 ± 24.6
5000.0	231 ± 18.9	230 ± 8.1	355 ± 5.8	259 ± 62.2	349 ± 13.0
7500.0	197 ± 6.9	211 ± 23.4	344 ± 7.6	227 ± 11.5	337 ± 5.3
10000.0	121 ± 9.7	165 ± 20.8	392 ± 8.9	155 ± 0.7	290 ± 15.4
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁵			809 ± 16.4		796 ± 67.7
Positive Control ⁶				493 ± 29.5	
Positive Control ⁷	614 ± 88.9	485 ± 42.4			

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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: 20.0 nmoles/L 2-Aminoanthracene
- 7: 4000.0 ug/Plate Methyl Methane Sulfonate

** END OF REPORT **