

Experiment Number: A69652

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

G06: Ames Summary Data

Test Compound: **Metal Working Fluids: CIMSTAR 3800**

CAS Number: **CIMSTAR3800**

Date Report Requested: **09/17/2018**

Time Report Requested: **18:08:33**

NTP Study Number:

A69652

Study Result:

Weakly 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	96 ± 4.9	92 ± 1.5	126 ± 2.4	80 ± 2.9
10.0				
50.0				
100.0				
500.0				
1000.0	101 ± 12.2	110 ± 4.6	127 ± 8.5	97 ± 10.3
2500.0	79 ± 8.0	105 ± 5.2	132 ± 1.5	119 ± 15.5
5000.0	73 ± 6.4	74 ± 6.6	140 ± 7.1	107 ± 9.6
7500.0	73 ± 7.0	63 ± 6.1	136 ± 5.7	113 ± 4.4
10000.0	32 ± 8.5	54 ± 3.6	151 ± 6.9	103 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	745 ± 56.4	376 ± 7.1		
Positive Control ³			776 ± 53.3	853 ± 37.0

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	34 ± 1.0	27 ± 4.3	30 ± 0.3	35 ± 2.3
1000.0	36 ± 2.9	22 ± 1.2	35 ± 2.2	35 ± 2.6
2500.0	31 ± 5.0	21 ± 1.2	36 ± 1.2	31 ± 2.5
5000.0	30 ± 3.1	33 ± 4.2	41 ± 2.0	35 ± 0.9
7500.0	27 ± 3.6	22 ± 4.4	43 ± 4.6	30 ± 2.8
10000.0	11 ± 1.9	4 ± 0.3	39 ± 1.2	29 ± 2.0
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ³			776 ± 56.0	652 ± 28.9
Positive Control ⁴	740 ± 46.2	574 ± 17.1		

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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	216 ± 11.1	164 ± 4.7	275 ± 5.0	200 ± 0.9
10.0				
50.0				
100.0				
500.0				
1000.0	280 ± 12.5	205 ± 6.4	247 ± 13.5	218 ± 6.7
2500.0	352 ± 12.0	240 ± 27.7	314 ± 38.8	250 ± 27.2
5000.0	358 ± 11.9	269 ± 9.0	310 ± 6.6	262 ± 20.2
7500.0	342 ± 22.0	283 ± 13.9	346 ± 9.5	235 ± 27.0
10000.0	371 ± 9.8	232 ± 15.3	316 ± 9.2	287 ± 8.5
Trial Summary	Weakly Positive	Weakly Positive	Negative	Equivocal
Positive Control ⁵			875 ± 50.7	777 ± 19.2
Positive Control ⁶	950 ± 26.3	701 ± 79.9		

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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 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 **