

Experiment Number: A41562

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

G06: Ames Summary Data

Test Compound: **Metal working fluids (Cimtech 310)**

CAS Number: **CIMTECH310**

Date Report Requested: **09/16/2018**

Time Report Requested: **23:50:48**

NTP Study Number:

A41562

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	54 ± 4.7	44 ± 6.0	67 ± 10.2	39 ± 0.3
1000.0	61 ± 3.2	60 ± 3.8	53 ± 4.2	37 ± 2.8
2500.0	55 ± 4.4	66 ± 10.5	51 ± 3.2	49 ± 12.5
5000.0	55 ± 4.3	39 ± 3.3	46 ± 1.8	41 ± 2.3
7500.0	53 ± 3.8	45 ± 4.6	51 ± 3.0	34 ± 3.1
10000.0	37 ± 11.0	30 ± 8.0	52 ± 6.1	26 ± 3.0
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	448 ± 6.4			
Positive Control ³			1184 ± 24.2	908 ± 52.9
Positive Control ⁴		302 ± 46.7		

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	17 ± 1.2	16 ± 1.8	24 ± 4.8	27 ± 5.2
1000.0	24 ± 0.9	16 ± 1.7	20 ± 1.2	20 ± 1.8
2500.0	15 ± 1.2	18 ± 2.8	19 ± 2.5	18 ± 5.0
5000.0	13 ± 0.7	9 ± 0.3	29 ± 7.0	22 ± 2.4
7500.0	20 ± 2.5	13 ± 0.3	29 ± 3.8	24 ± 3.7
10000.0	20 ± 1.0	16 ± 1.0	22 ± 3.3	19 ± 2.6
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
Vehicle Control ¹	201 ± 26.2	217 ± 16.5	245 ± 6.4	205 ± 26.4
1000.0	250 ± 2.8	229 ± 30.1	297 ± 11.1	195 ± 24.7
2500.0	254 ± 12.7	216 ± 25.7	294 ± 34.0	180 ± 17.1
5000.0	263 ± 8.0	114 ± 13.9	324 ± 3.2	247 ± 20.6
7500.0	274 ± 12.8	93 ± 9.0	300 ± 18.7	195 ± 34.8
10000.0	207 ± 50.2	136 ± 22.1	276 ± 25.7	173 ± 41.1
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁵			809 ± 16.4	493 ± 29.5
Positive Control ⁶	690 ± 42.8	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: 4000.0 ug/Plate Methyl Methane Sulfonate

**** END OF REPORT ****