

Experiment Number: **604964**

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

G06: Ames Summary Data

Test Compound: **Diesel fuel marine**

CAS Number: **DIESELFUEL**

Date Report Requested: **09/15/2018**

Time Report Requested: **00:53:00**

NTP Study Number:

604964

Study Result:

Negative

Experiment Number: 604964

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Diesel fuel marine

CAS Number: DIESELFUEL

Date Report Requested: 09/15/2018

Time Report Requested: 00:53:00

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	145 ± 15.8	142 ± 18.9	151 ± 17.1	121 ± 12.1	143 ± 7.6
3.3	133 ± 7.4	119 ± 19.0			
10.0	122 ± 9.0	115 ± 6.1			
33.0	120 ± 8.2	134 ± 0.9	142 ± 4.5	132 ± 13.2	145 ± 11.9
100.0	100 ± 8.0	107 ± 6.1 ^s	137 ± 7.5	141 ± 7.2	145 ± 5.0
333.0	117 ± 9.5 ^s	95 ± 6.9 ^s	160 ± 4.0	146 ± 6.5	175 ± 6.6
1000.0			147 ± 4.6	139 ± 7.4 ^s	180 ± 6.7
3333.0			154 ± 7.2	96 ± 6.0 ^s	115 ± 19.9 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					866 ± 36.0
Positive Control ³			650 ± 29.5	778 ± 37.6	
Positive Control ⁴	954 ± 28.9	1018 ± 10.3			

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Test Compound: Diesel fuel marine
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Date Report Requested: 09/15/2018
Time Report Requested: 00:53:00

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	128 ± 2.4
3.3	
10.0	
33.0	127 ± 7.5
100.0	137 ± 4.5
333.0	152 ± 11.5
1000.0	156 ± 4.0 ^s
3333.0	107 ± 12.0 ^s
Trial Summary	Negative
Positive Control ²	836 ± 21.2
Positive Control ³	
Positive Control ⁴	

Experiment Number: 604964

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Date Report Requested: 09/15/2018

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	27 ± 3.2	25 ± 4.7	15 ± 2.9	12 ± 2.3	14 ± 1.9
3.3	26 ± 2.1	30 ± 1.5			
10.0	23 ± 2.5	31 ± 3.7			
33.0	28 ± 3.3	24 ± 0.6	15 ± 0.7	12 ± 1.7	14 ± 3.1
100.0	21 ± 2.9	20 ± 1.9 ^s	12 ± 1.9	16 ± 1.5	12 ± 1.2
333.0	20 ± 2.8 ^s	17 ± 6.5 ^s	12 ± 0.9	12 ± 0.6	15 ± 2.3
1000.0			16 ± 1.2	16 ± 2.2 ^s	12 ± 2.4
3333.0			14 ± 2.1	10 ± 0.9 ^s	6 ± 0.3 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					72 ± 6.9
Positive Control ³			75 ± 5.2	62 ± 5.5	
Positive Control ⁴	809 ± 24.1	839 ± 9.4			

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Test Compound: Diesel fuel marine

CAS Number: DIESELFUEL

Date Report Requested: 09/15/2018

Time Report Requested: 00:53:00

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	12 ± 0.9
3.3	
10.0	
33.0	11 ± 1.8
100.0	12 ± 1.9
333.0	12 ± 1.2
1000.0	10 ± 1.9 ^s
3333.0	7 ± 1.5 ^s
Trial Summary	Negative
Positive Control ²	68 ± 8.0
Positive Control ³	
Positive Control ⁴	

Experiment Number: 604964

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Date Report Requested: 09/15/2018

Time Report Requested: 00:53:00

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	5 ± 0.9	6 ± 2.3	9 ± 1.7	12 ± 2.6	7 ± 1.9
3.3	11 ± 8.4	7 ± 1.8			
10.0	3 ± 0.7	7 ± 1.2			
33.0	4 ± 0.9	5 ± 1.0	12 ± 1.5	7 ± 1.8	10 ± 0.6
100.0	7 ± 1.5	6 ± 1.5 ^s	7 ± 0.6	10 ± 2.2	9 ± 2.6
333.0	4 ± 1.2 ^s	5 ± 1.0 ^s	6 ± 1.3	7 ± 2.7	6 ± 1.2
1000.0			8 ± 1.5	11 ± 0.7	7 ± 1.3
3333.0			8 ± 1.5	8 ± 2.0 ^s	8 ± 1.9 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					91 ± 5.2
Positive Control ³			63 ± 10.1	54 ± 9.5	
Positive Control ⁵	262 ± 13.0	187 ± 44.4			

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Test Compound: Diesel fuel marine

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Date Report Requested: 09/15/2018

Time Report Requested: 00:53:00

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	6 ± 2.3
3.3	
10.0	
33.0	5 ± 1.3
100.0	8 ± 3.3
333.0	6 ± 1.0
1000.0	7 ± 1.2
3333.0	8 ± 1.5 ^s
Trial Summary	Negative
Positive Control ²	67 ± 5.3
Positive Control ³	
Positive Control ⁵	

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Date Report Requested: 09/15/2018

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	16 ± 4.0	17 ± 1.7	30 ± 4.5	29 ± 4.1	30 ± 6.2
3.3	16 ± 0.6	18 ± 1.8			
10.0	15 ± 1.7	18 ± 2.9			
33.0	22 ± 0.9	14 ± 2.6	35 ± 3.3	25 ± 2.1	32 ± 4.8
100.0	14 ± 2.5	19 ± 0.3	31 ± 1.0	24 ± 2.2	33 ± 3.5
333.0	17 ± 1.9 ^s	11 ± 1.5 ^s	32 ± 6.2	26 ± 5.5	33 ± 4.4
1000.0			34 ± 1.8	27 ± 1.5	38 ± 4.7
3333.0			32 ± 0.9	29 ± 2.5 ^s	38 ± 2.4 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					873 ± 7.7
Positive Control ³			434 ± 22.6	535 ± 4.4	
Positive Control ⁶	1161 ± 52.0	1117 ± 33.1			

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G06: Ames Summary Data

Test Compound: Diesel fuel marine

CAS Number: DIESELFUEL

Date Report Requested: 09/15/2018

Time Report Requested: 00:53:00

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	26 ± 2.3
3.3	
10.0	
33.0	25 ± 1.5
100.0	25 ± 2.5
333.0	33 ± 0.3
1000.0	37 ± 1.9
3333.0	34 ± 4.6 ^s
Trial Summary	Negative
Positive Control ²	898 ± 7.8
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: Acetone

2: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 80.0 ug/Plate 9-Aminoacridine

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

s: Slight Toxicity

** END OF REPORT **