

Experiment Number: A23138

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

G06: Ames Summary Data

Test Compound: **Pentafluoroiodoethane**

CAS Number: **354-64-3**

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

Time Report Requested: **10:50:13**

NTP Study Number:

A23138

Study Result:

Positive

Experiment Number: A23138

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Pentafluoroiodoethane

CAS Number: 354-64-3

Date Report Requested: 09/16/2018

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Strain: TA100

Dose (mmoles/L)	Without S9	With 10% Rat S9
Vehicle Control ¹	199 ± 1.8	169 ± 7.5
0.003	227 ± 5.8	218 ± 8.6
0.006	304 ± 8.7	268 ± 15.5
0.007	328 ± 12.0	257 ± 18.5
0.014	519 ± 16.9	278 ± 26.8
0.021	661 ± 5.8	132 ± 6.4
0.028	355 ± 7.4	82 ± 18.8
0.037	Toxic	Toxic
Trial Summary	Positive	Negative
Positive Control ²		644 ± 32.5
Positive Control ³	649 ± 66.5	

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Strain: TA98

Dose (mmoles/L)	Without S9	With 10% Rat S9
Vehicle Control ¹	17 ± 4.4	31 ± 2.6
0.003	17 ± 4.1	32 ± 3.5
0.006	35 ± 2.2	31 ± 0.6
0.007	51 ± 4.6	38 ± 1.9
0.014	73 ± 5.4	42 ± 1.8
0.021	64 ± 3.3	48 ± 5.2
0.028	75 ± 10.7	18 ± 2.3
0.037	Toxic	Toxic
Trial Summary	Positive	Negative
Positive Control ²		669 ± 4.5
Positive Control ⁴	373 ± 21.0	

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Test Compound: Pentafluoroiodoethane

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Strain: E. coli WP2 uvrA pKM101

Dose (mmoles/L)	Without S9	With 10% Rat S9
Vehicle Control ¹	199 ± 4.0	257 ± 5.4
0.003	394 ± 17.8	455 ± 9.6
0.006	636 ± 14.3	667 ± 52.8
0.007	718 ± 70.2	680 ± 27.3
0.014	964 ± 40.5	944 ± 43.4
0.021	1069 ± 20.8	888 ± 80.0
0.028	677 ± 25.4	575 ± 17.1 ^s
0.037	Toxic	Toxic
Trial Summary	Positive	Positive
Positive Control ⁵		1116 ± 121.2
Positive Control ⁶	1137 ± 11.0	

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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: Air

2: 1.0 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate Sodium Azide

4: 1.0 ug/Plate 2-Nitrofluorene

5: 10.0 ug/Plate 2-Aminoanthracene

6: 1000.0 ug/Plate Methyl Methane Sulfonate

s: Slight Toxicity

**** END OF REPORT ****