

Experiment Number: **A04319**

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

G06: Ames Summary Data

Test Compound: **Benzotrifluoride**

CAS Number: **98-08-8**

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

Time Report Requested: **15:16:08**

NTP Study Number:

A04319

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	101 ± 5.9	108 ± 6.1	88 ± 5.3	107 ± 5.8
1000.0	99 ± 6.7	109 ± 4.8	90 ± 1.2	102 ± 6.4
2500.0	95 ± 2.9	101 ± 5.7	95 ± 4.0	114 ± 12.5
5000.0	92 ± 7.6	99 ± 12.9	91 ± 3.5	101 ± 3.6
7500.0	90 ± 6.1	77 ± 4.4	92 ± 1.2	111 ± 1.8
10000.0	83 ± 6.6	77 ± 5.6	104 ± 6.9	154 ± 33.4
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	315 ± 7.9	506 ± 24.0		
Positive Control ³			594 ± 8.3	1303 ± 14.3

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	16 ± 1.9	27 ± 4.2	31 ± 3.7	37 ± 1.0
1000.0	16 ± 1.7	22 ± 4.1	31 ± 2.9	29 ± 4.2
2500.0	15 ± 3.0	23 ± 1.5	28 ± 1.2	32 ± 5.4
5000.0	18 ± 2.4	22 ± 1.5	27 ± 3.2	31 ± 3.8
7500.0	12 ± 2.3	15 ± 2.0	24 ± 2.6	25 ± 4.8
10000.0	12 ± 1.5	14 ± 1.2	21 ± 1.5	17 ± 5.5
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ³			583 ± 31.2	1206 ± 43.9
Positive Control ⁴	192 ± 11.8	694 ± 7.2		

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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	142 ± 7.0	186 ± 9.9	163 ± 5.7	215 ± 6.6
1000.0	159 ± 8.4	194 ± 4.8	181 ± 11.7	217 ± 12.9
2500.0	187 ± 2.4	216 ± 5.5	194 ± 9.2	221 ± 4.5
5000.0	171 ± 10.4	162 ± 7.4	202 ± 6.2	234 ± 2.0
7500.0	170 ± 6.4	127 ± 8.5	223 ± 5.8	256 ± 9.5
10000.0	130 ± 9.5	125 ± 18.0	228 ± 4.6	256 ± 18.5
Trial Summary	Negative	Negative	Equivocal	Negative
Positive Control ⁵			693 ± 37.3	892 ± 94.1
Positive Control ⁶	737 ± 40.5	1665 ± 91.0		

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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: Dimethyl Formamide
- 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 ****