

Experiment Number: 057075

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: NTP-88 diet study (EGMME)

CAS Number: 109-86-4

Date Report Requested: 09/15/2018

Time Report Requested: 03:06:49

NTP Study Number:

057075

Study Result:

Negative

Experiment Number: 057075

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: NTP-88 diet study (EGMME)

CAS Number: 109-86-4

Date Report Requested: 09/15/2018

Time Report Requested: 03:06:49

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	172 ± 5.6	131 ± 9.1	187 ± 2.3	131 ± 3.5	168 ± 12.4
100.0	167 ± 6.5	122 ± 3.6	171 ± 5.4	132 ± 4.5	177 ± 7.3
333.0	169 ± 8.4	131 ± 0.9	186 ± 3.8	132 ± 5.5	164 ± 5.2
1000.0	179 ± 6.4	140 ± 9.9	193 ± 12.3	119 ± 10.9	179 ± 7.3
3333.0	171 ± 3.1	131 ± 6.7	168 ± 5.5	123 ± 1.5	167 ± 5.9
10000.0	162 ± 0.9	129 ± 9.7	165 ± 1.2	130 ± 5.4	155 ± 6.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1599 ± 52.9		1212 ± 79.3
Positive Control ³	382 ± 7.9	530 ± 29.1			
Positive Control ⁴					
Positive Control ⁵				1582 ± 57.7	

Experiment Number: 057075

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: NTP-88 diet study (EGMME)

CAS Number: 109-86-4

Date Report Requested: 09/15/2018

Time Report Requested: 03:06:49

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	148 ± 7.0
100.0	141 ± 4.1
333.0	128 ± 6.6
1000.0	148 ± 6.4
3333.0	131 ± 6.4
10000.0	127 ± 9.5
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	520 ± 2.6
Positive Control ⁵	

Experiment Number: 057075

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: NTP-88 diet study (EGMME)

CAS Number: 109-86-4

Date Report Requested: 09/15/2018

Time Report Requested: 03:06:49

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 30% Rat S9
Vehicle Control ¹	23 ± 3.2	25 ± 3.4	14 ± 3.2	11 ± 2.1	17 ± 3.7
100.0	24 ± 1.9	18 ± 1.2	9 ± 1.2	11 ± 1.8	11 ± 2.4
333.0	27 ± 2.9	21 ± 1.7	10 ± 0.5	16 ± 3.2	16 ± 1.0
1000.0	19 ± 2.4	19 ± 4.9	11 ± 0.3	13 ± 3.1	15 ± 1.2
3333.0	21 ± 1.7	22 ± 4.0	12 ± 0.9	15 ± 0.9	13 ± 3.6
10000.0	20 ± 1.8	18 ± 3.0	10 ± 1.2	16 ± 2.3	14 ± 2.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					
Positive Control ³	262 ± 12.1	445 ± 7.8			
Positive Control ⁴					
Positive Control ⁵			243 ± 5.2	283 ± 18.2	178 ± 11.5

Experiment Number: 057075

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: NTP-88 diet study (EGMME)

CAS Number: 109-86-4

Date Report Requested: 09/15/2018

Time Report Requested: 03:06:49

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	11 ± 1.9	12 ± 0.9	12 ± 2.3
100.0	8 ± 1.3	13 ± 1.5	12 ± 0.9
333.0	10 ± 1.3	17 ± 3.6	12 ± 2.7
1000.0	12 ± 0.7	14 ± 0.7	11 ± 2.4
3333.0	9 ± 1.9	10 ± 0.3	10 ± 2.2
10000.0	10 ± 1.7	12 ± 2.7	11 ± 2.2
Trial Summary	Negative	Negative	Negative
Positive Control ²	62 ± 4.3		
Positive Control ³			
Positive Control ⁴		160 ± 5.2	251 ± 11.3
Positive Control ⁵			

Experiment Number: 057075

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: NTP-88 diet study (EGMME)

CAS Number: 109-86-4

Date Report Requested: 09/15/2018

Time Report Requested: 03:06:49

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	117 ± 1.5	128 ± 6.1	132 ± 4.8	128 ± 5.2	128 ± 4.7
100.0	114 ± 8.6	140 ± 4.2	126 ± 4.1	138 ± 2.8	155 ± 13.5
333.0	121 ± 5.0	140 ± 12.3	138 ± 6.8	129 ± 4.0	119 ± 4.9
1000.0	126 ± 10.7	148 ± 4.2	134 ± 4.1	141 ± 4.3	137 ± 8.7
3333.0	112 ± 6.2	128 ± 3.5	142 ± 5.5	137 ± 0.9	129 ± 2.6
10000.0	118 ± 7.6	128 ± 5.1	137 ± 4.3	121 ± 3.5	122 ± 7.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁶	842 ± 26.1	542 ± 14.7			
Positive Control ⁷					1528 ± 9.5
Positive Control ⁵			2774 ± 68.6	1058 ± 75.8	
Positive Control ⁸					

Experiment Number: 057075

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: NTP-88 diet study (EGMME)

CAS Number: 109-86-4

Date Report Requested: 09/15/2018

Time Report Requested: 03:06:49

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	135 ± 1.3
100.0	142 ± 4.4
333.0	127 ± 2.5
1000.0	128 ± 0.9
3333.0	134 ± 5.8
10000.0	128 ± 1.2
Trial Summary	Negative
Positive Control ⁶	
Positive Control ⁷	
Positive Control ⁵	2127 ± 86.6
Positive Control ⁸	

Experiment Number: 057075

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: NTP-88 diet study (EGMME)

CAS Number: 109-86-4

Date Report Requested: 09/15/2018

Time Report Requested: 03:06:49

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	18 ± 3.1	30 ± 3.4	36 ± 3.5	41 ± 1.3	29 ± 2.1
100.0	23 ± 1.2	31 ± 0.9	34 ± 3.8	46 ± 2.4	27 ± 1.5
333.0	26 ± 4.1	33 ± 2.1	27 ± 4.2	47 ± 1.9	31 ± 3.7
1000.0	22 ± 2.6	29 ± 2.4	29 ± 3.3	35 ± 6.5	32 ± 3.5
3333.0	14 ± 2.9	30 ± 1.5	34 ± 2.3	45 ± 1.2	41 ± 2.3
10000.0	22 ± 6.8	29 ± 1.3	29 ± 2.7	46 ± 5.3	31 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁹					385 ± 15.4
Positive Control ²			559 ± 13.2		
Positive Control ¹⁰	362 ± 19.3	363 ± 28.2			
Positive Control ⁴				305 ± 17.3	

Experiment Number: 057075

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: NTP-88 diet study (EGMME)

CAS Number: 109-86-4

Date Report Requested: 09/15/2018

Time Report Requested: 03:06:49

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	42 ± 2.3
100.0	40 ± 2.6
333.0	35 ± 1.7
1000.0	43 ± 1.2
3333.0	32 ± 2.6
10000.0	38 ± 1.9
Trial Summary	Negative
Positive Control ⁹	
Positive Control ²	
Positive Control ¹⁰	
Positive Control ⁴	273 ± 9.7

Experiment Number: 057075

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: NTP-88 diet study (EGMME)

CAS Number: 109-86-4

Date Report Requested: 09/15/2018

Time Report Requested: 03:06:49

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: 0.4 ug/Plate 2-Aminoanthracene

3: 0.5 ug/Plate Sodium Azide

4: 1.0 ug/Plate 2-Aminoanthracene

5: 2.0 ug/Plate 2-Aminoanthracene

6: 0.05 ug/Plate Solvent

7: 0.75 ug/Plate 2-Aminoanthracene

8: 8.0 ug/Plate 9-Aminoacridine

9: 0.2 ug/Plate 2-Aminoanthracene

10: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****