Experiment Number: **792120**

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

G06: Ames Summary Data

Test Compound: **Nitrilotriacetic acid (NTA)**

CAS Number: **139-13-9**

Date Report Requested: **09/18/2018**

Time Report Requested: **06:01:56**

NTP Study Number: 792120

Study Result: Negative

Experiment Number: **792120**

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

G06: Ames Summary Data

Test Compound: **Nitrilotriacetic acid (NTA)**

CAS Number: **139-13-9**

Date Report Requested: **09/18/2018**

Time Report Requested: **06:01:56**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	86 ± 0.6	91 ± 6.9	103 ± 4.0	119 ± 3.5	95 ± 1.5
33.0	88 ± 7.3	80 ± 2.1	111 ± 2.4	118 ± 3.4	104 ± 1.2
100.0	83 ± 0.3	82 ± 1.5	99 ± 8.2	112 ± 5.7	90 ± 3.3
333.0	88 ± 10.0	89 ± 1.5	104 ± 4.2	98 ± 8.0	86 ± 8.2
1000.0	82 ± 5.4	89 ± 3.4	91 ± 4.3	89 ± 3.2	99 ± 2.6
2000.0	73 ± 2.5	89 ± 4.4	78 ± 6.1	88 ± 2.3	78 ± 8.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					348 ± 16.5
Positive Control[3]	304 ± 12.2	310 ± 11.0			
Positive Control[4]			343 ± 11.1		
Positive Control[5]					
Positive Control[6]				259 ± 7.3	

Experiment Number: **792120**

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

G06: Ames Summary Data

Test Compound: **Nitrilotriacetic acid (NTA)**

CAS Number: **139-13-9**

Date Report Requested: **09/18/2018**

Time Report Requested: **06:01:56**

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	108 ± 2.5
33.0	113 ± 4.3
100.0	105 ± 4.2
333.0	100 ± 5.2
1000.0	89 ± 6.0
2000.0	66 ± 3.9
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	
Positive Control[4]	
Positive Control[5]	363 ± 8.5
Positive Control[6]	

Experiment Number: **792120**

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

G06: Ames Summary Data

Test Compound: **Nitrilotriacetic acid (NTA)**

CAS Number: **139-13-9**

Date Report Requested: **09/18/2018**

Time Report Requested: **06:01:56**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	21 ± 3.7	17 ± 2.0	6 ± 1.2	9 ± 0.7	7 ± 2.1
33.0	20 ± 2.7	12 ± 1.3	8 ± 1.2	10 ± 0.7	6 ± 1.3
100.0	20 ± 3.8	15 ± 2.4	5 ± 2.1	9 ± 0.9	10 ± 2.6
333.0	22 ± 1.5	17 ± 2.7	7 ± 0.7	11 ± 2.1	7 ± 1.2
1000.0	21 ± 3.5	16 ± 0.6	6 ± 1.5	12 ± 0.5	8 ± 1.7
2000.0	22 ± 3.5	16 ± 1.2	6 ± 1.7	6 ± 1.0	6 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					34 ± 3.8
Positive Control[3]	162 ± 30.7	103 ± 2.5			
Positive Control[5]					
Positive Control[6]			80 ± 2.0	63 ± 2.7	

Experiment Number: **792120**

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

G06: Ames Summary Data

Test Compound: **Nitrilotriacetic acid (NTA)**

CAS Number: **139-13-9**

Date Report Requested: **09/18/2018**

Time Report Requested: **06:01:56**

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	9 ± 1.2
33.0	8 ± 2.4
100.0	9 ± 0.3
333.0	8 ± 0.9
1000.0	8 ± 0.5
2000.0	9 ± 1.8
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	
Positive Control[5]	132 ± 4.9
Positive Control[6]	

Experiment Number: **792120**

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

G06: Ames Summary Data

Test Compound: **Nitrilotriacetic acid (NTA)**

CAS Number: **139-13-9**

Date Report Requested: **09/18/2018**

Time Report Requested: **06:01:56**

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	6 ± 1.5	8 ± 0.9	8 ± 2.3	6 ± 2.5	11 ± 4.4
33.0	5 ± 0.6	7 ± 1.0	7 ± 1.5	8 ± 1.5	6 ± 0.3
100.0	5 ± 1.0	8 ± 1.2	5 ± 0.6	8 ± 1.2	8 ± 1.5
333.0	7 ± 1.8	7 ± 0.3	9 ± 2.9	9 ± 0.0	9 ± 0.3
1000.0	7 ± 2.6	6 ± 2.3	7 ± 0.3	11 ± 2.1	6 ± 0.9
2000.0	7 ± 1.0	6 ± 1.0	5 ± 0.6	9 ± 1.5	7 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[4]					146 ± 8.5
Positive Control[6]			166 ± 4.7		
Positive Control[7]				44 ± 5.3	
Positive Control[8]	104 ± 12.7	25 ± 9.2			

Experiment Number: **792120**

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

G06: Ames Summary Data

Test Compound: **Nitrilotriacetic acid (NTA)**

CAS Number: **139-13-9**

Date Report Requested: **09/18/2018**

Time Report Requested: **06:01:56**

Strain: TA1537

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	9 ± 2.5
33.0	7 ± 1.2
100.0	6 ± 1.5
333.0	8 ± 1.2
1000.0	5 ± 0.9
2000.0	8 ± 2.9
Trial Summary	Negative
Positive Control[4]	
Positive Control[6]	
Positive Control[7]	76 ± 10.3
Positive Control[8]	

Experiment Number: **792120**

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

G06: Ames Summary Data

Test Compound: **Nitrilotriacetic acid (NTA)**

CAS Number: **139-13-9**

Date Report Requested: **09/18/2018**

Time Report Requested: **06:01:56**

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	74 ± 7.0	62 ± 6.8	113 ± 1.7	159 ± 4.6	113 ± 6.6
33.0	90 ± 4.3	64 ± 4.2	110 ± 3.3	182 ± 5.7	97 ± 2.9
100.0	87 ± 3.1	68 ± 9.6	111 ± 6.4	174 ± 5.0	106 ± 1.2
333.0	95 ± 7.5	69 ± 6.7	109 ± 5.5	160 ± 5.7	97 ± 2.7
1000.0	82 ± 0.0	64 ± 4.9	97 ± 4.3	168 ± 16.7	98 ± 1.2
2000.0	79 ± 17.0	68 ± 0.9	89 ± 2.7	144 ± 8.3	96 ± 7.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[4]					813 ± 22.6
Positive Control[6]			754 ± 45.1		
Positive Control[7]				319 ± 7.8	
Positive Control[9]	188 ± 7.8	137 ± 13.4			

Experiment Number: **792120**

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

G06: Ames Summary Data

Test Compound: **Nitrilotriacetic acid (NTA)**

CAS Number: **139-13-9**

Date Report Requested: **09/18/2018**

Time Report Requested: **06:01:56**

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	121 ± 1.2
33.0	132 ± 2.3
100.0	113 ± 2.0
333.0	115 ± 1.5
1000.0	111 ± 6.8
2000.0	113 ± 4.3
Trial Summary	Negative
Positive Control[4]	
Positive Control[6]	
Positive Control[7]	670 ± 82.1
Positive Control[9]	

Experiment Number: **792120**

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

G06: Ames Summary Data

Test Compound: **Nitrilotriacetic acid (NTA)**

CAS Number: **139-13-9**

Date Report Requested: **09/18/2018**

Time Report Requested: **06:01:56**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	10 ± 1.2	18 ± 4.2	26 ± 2.0	18 ± 1.2	25 ± 3.2
33.0	13 ± 1.5	15 ± 2.0	30 ± 2.1	16 ± 2.1	28 ± 2.3
100.0	12 ± 1.5	12 ± 1.7	28 ± 0.3	13 ± 1.5	29 ± 2.5
333.0	14 ± 0.9	17 ± 1.5	30 ± 6.4	16 ± 2.3	30 ± 1.8
1000.0	11 ± 2.3	19 ± 1.2	28 ± 2.9	14 ± 2.3	27 ± 2.2
2000.0	11 ± 0.7	17 ± 3.0	29 ± 2.0	19 ± 1.7	29 ± 2.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[10]					72 ± 5.1
Positive Control[2]			73 ± 3.8		
Positive Control[11]	185 ± 8.1	119 ± 0.9			
Positive Control[5]				85 ± 4.8	

Experiment Number: **792120**

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

G06: Ames Summary Data

Test Compound: **Nitrilotriacetic acid (NTA)**

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Date Report Requested: **09/18/2018**

Time Report Requested: **06:01:56**

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	24 ± 3.3
33.0	22 ± 4.0
100.0	21 ± 4.1
333.0	11 ± 2.3
1000.0	21 ± 1.7
2000.0	15 ± 0.3
Trial Summary	Negative
Positive Control[10]	
Positive Control[2]	85 ± 4.1
Positive Control[11]	
Positive Control[5]	

LEGEND

Values given as Mean or Mean ± 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 Sulfoxide
2: 0.4 ug/Plate 2-Aminoanthracene
3: 0.5 ug/Plate Sodium Azide
4: 0.75 ug/Plate 2-Aminoanthracene
5: 1.0 ug/Plate 2-Aminoanthracene
6: 2.0 ug/Plate 2-Aminoanthracene
7: 2.5 ug/Plate 2-Aminoanthracene
8: 4.0 ug/Plate 9-Aminoacridine
9: 8.0 ug/Plate 9-Aminoacridine
10: 0.2 ug/Plate 2-Aminoanthracene
11: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

** END OF REPORT **