

Experiment Number: **A54804**

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

G06: Ames Summary Data

Test Compound: **Lead(2+) acetate**

CAS Number: **301-04-2**

Date Report Requested: **09/17/2018**

Time Report Requested: **04:43:59**

NTP Study Number:

A54804

Study Result:

Negative

Experiment Number: A54804

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Lead(2+) acetate

CAS Number: 301-04-2

Date Report Requested: 09/17/2018

Time Report Requested: 04:43:59

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	85 ± 2.6	99 ± 2.8	111 ± 9.6	99 ± 4.6	107 ± 2.7
100.0	89 ± 5.8	87 ± 8.2	109 ± 13.5	106 ± 3.3	114 ± 5.0
333.0	85 ± 4.6	90 ± 6.7	121 ± 11.9	123 ± 3.4	114 ± 9.3
1000.0	88 ± 0.3	86 ± 4.5	100 ± 4.5	118 ± 10.1	97 ± 7.4
3333.0	82 ± 3.5	98 ± 0.6	106 ± 4.9	109 ± 9.0	113 ± 1.0
10000.0	68 ± 1.0 ^p	75 ± 13.5 ^p	83 ± 4.4 ^p	90 ± 3.3 ^p	90 ± 7.3 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					522 ± 26.4
Positive Control ³			428 ± 13.5		
Positive Control ⁴	829 ± 11.4	792 ± 19.7			
Positive Control ⁵				492 ± 35.4	

Experiment Number: A54804
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: Lead(2+) acetate
CAS Number: 301-04-2

Date Report Requested: 09/17/2018
Time Report Requested: 04:43:59

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	102 ± 1.5
100.0	120 ± 9.6
333.0	107 ± 7.1
1000.0	107 ± 4.4
3333.0	101 ± 5.5
10000.0	84 ± 7.8 ^p
Trial Summary	Negative
Positive Control ²	
Positive Control ³	612 ± 11.8
Positive Control ⁴	
Positive Control ⁵	

Experiment Number: A54804

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Lead(2+) acetate

CAS Number: 301-04-2

Date Report Requested: 09/17/2018

Time Report Requested: 04:43:59

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	12 ± 1.0	10 ± 1.8	11 ± 0.0	10 ± 2.0	9 ± 1.2
0.0					0 ± 0.0
100.0	9 ± 1.9	12 ± 2.5	12 ± 2.0	8 ± 1.9	9 ± 0.6
333.0	7 ± 1.0	11 ± 0.9	8 ± 0.3	11 ± 1.7	9 ± 0.9
1000.0	12 ± 2.4	11 ± 0.0	9 ± 2.0	12 ± 1.8	13 ± 2.3
3333.0	9 ± 0.6	11 ± 2.2	10 ± 0.7	13 ± 0.6	8 ± 0.9
10000.0	8 ± 3.1 ^p	5 ± 1.7 ^p	6 ± 0.6 ^p	7 ± 1.0 ^p	7 ± 0.9 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					101 ± 7.3
Positive Control ⁴	651 ± 20.4	443 ± 6.4			
Positive Control ⁵			100 ± 6.1		
Positive Control ⁶				119 ± 3.4	

Experiment Number: A54804
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: Lead(2+) acetate
CAS Number: 301-04-2

Date Report Requested: 09/17/2018
Time Report Requested: 04:43:59

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹ 0.0	10 ± 0.3
100.0	11 ± 3.5
333.0	13 ± 0.7
1000.0	7 ± 1.2
3333.0	10 ± 1.7
10000.0	7 ± 2.2 ^p
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	263 ± 18.0
Positive Control ⁶	

Experiment Number: A54804

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Lead(2+) acetate

CAS Number: 301-04-2

Date Report Requested: 09/17/2018

Time Report Requested: 04:43:59

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	138 ± 17.4	123 ± 9.9	138 ± 3.8	159 ± 7.3	134 ± 5.0
100.0	124 ± 4.6	125 ± 16.7	141 ± 5.3	153 ± 5.0	159 ± 10.5
333.0	147 ± 1.0	117 ± 3.6	154 ± 4.0	168 ± 0.6	149 ± 3.8
1000.0	130 ± 6.9	123 ± 3.8	137 ± 1.2	166 ± 4.2	143 ± 4.0
3333.0	134 ± 3.9	134 ± 5.3	159 ± 4.0	181 ± 8.5	141 ± 6.4
10000.0	106 ± 2.0 ^p	119 ± 8.8 ^p	128 ± 6.5 ^p	148 ± 11.4 ^p	137 ± 12.1 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					447 ± 13.1
Positive Control ³			325 ± 11.0		
Positive Control ⁵				323 ± 20.0	
Positive Control ⁷	341 ± 22.0	370 ± 32.7			

Experiment Number: A54804
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: Lead(2+) acetate
CAS Number: 301-04-2

Date Report Requested: 09/17/2018
Time Report Requested: 04:43:59

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	159 ± 10.2
100.0	165 ± 6.8
333.0	165 ± 6.7
1000.0	159 ± 5.1
3333.0	159 ± 6.6
10000.0	129 ± 13.1 ^P
Trial Summary	Negative
Positive Control ²	
Positive Control ³	439 ± 21.8
Positive Control ⁵	
Positive Control ⁷	

Experiment Number: A54804
 Test Type: Genetic Toxicology - Bacterial
 Mutagenicity

G06: Ames Summary Data
 Test Compound: Lead(2+) acetate
 CAS Number: 301-04-2

Date Report Requested: 09/17/2018
 Time Report Requested: 04:43:59

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	13 ± 1.8	17 ± 3.2	26 ± 2.7	24 ± 2.3	18 ± 1.3
100.0	16 ± 2.5	10 ± 1.5	19 ± 3.2	16 ± 2.2	20 ± 3.8
333.0	14 ± 0.6	12 ± 1.5	20 ± 0.9	17 ± 1.5	15 ± 0.9
1000.0	16 ± 2.2	11 ± 1.9	12 ± 0.9	12 ± 0.3	10 ± 1.7
3333.0	16 ± 2.3	10 ± 0.7	11 ± 1.0	15 ± 1.5	16 ± 2.0
10000.0	11 ± 2.2 ^p	8 ± 2.6 ^p	15 ± 2.3 ^p	9 ± 4.5 ^p	13 ± 3.5 ^p
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					349 ± 4.7
Positive Control ³			226 ± 5.0		
Positive Control ⁸	287 ± 25.2	298 ± 21.1			
Positive Control ⁵				223 ± 13.1	

Experiment Number: A54804
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: Lead(2+) acetate
CAS Number: 301-04-2

Date Report Requested: 09/17/2018
Time Report Requested: 04:43:59

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	23 ± 2.5
100.0	16 ± 1.5
333.0	13 ± 0.9
1000.0	14 ± 0.6
3333.0	11 ± 1.0
10000.0	12 ± 1.7 ^P
Trial Summary	Negative
Positive Control ²	
Positive Control ³	265 ± 17.2
Positive Control ⁸	
Positive Control ⁵	

Experiment Number: A54804

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Lead(2+) acetate

CAS Number: 301-04-2

Date Report Requested: 09/17/2018

Time Report Requested: 04:43:59

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: 1.0 ug/Plate 2-Aminoanthracene

3: 2.0 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate Sodium Azide

5: 5.0 ug/Plate 2-Aminoanthracene

6: 10.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

** END OF REPORT **