Experiment Number: **486118**

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

G06: Ames Summary Data

Test Compound: **Lithocholic acid**

CAS Number: **434-13-9**

Date Report Requested: **09/11/2018**

Time Report Requested: **22:24:04**

NTP Study Number: 486118

Study Result: Negative

Experiment Number: **486118**

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

G06: Ames Summary Data

Test Compound: **Lithocholic acid**

CAS Number: **434-13-9**

Date Report Requested: **09/11/2018**

Time Report Requested: **22:24:04**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	140 ± 7.7	118 ± 10.0	131 ± 7.8	159 ± 9.4	127 ± 9.0
10.0		105 ± 15.5		128 ± 12.3	
33.0		107 ± 17.4		150 ± 0.7	
100.0	140 ± 25.1	107 ± 5.3	119 ± 7.8	145 ± 8.7	121 ± 7.7
333.0	119 ± 21.1	88 ± 1.7	123 ± 3.9	141 ± 12.1	117 ± 8.5
1000.0	92 ± 2.6[p]	87 ± 6.8[p]	126 ± 4.5[p]	151 ± 7.9[p]	98 ± 7.7[p]
3333.0	81 ± 6.6[p]		108 ± 19.3[p]		103 ± 7.2[p]
10000.0	36 ± 15.4[p]		117 ± 21.4[p]		94 ± 23.5[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					933 ± 40.9
Positive Control[3]			627 ± 37.3	335 ± 20.1	
Positive Control[4]	476 ± 7.4	397 ± 11.5			

Experiment Number: **486118**

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

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Test Compound: **Lithocholic acid**

CAS Number: **434-13-9**

Date Report Requested: **09/11/2018**

Time Report Requested: **22:24:04**

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	137 ± 8.1
10.0	
33.0	
100.0	151 ± 6.9
333.0	130 ± 11.3
1000.0	129 ± 3.8[p]
3333.0	154 ± 7.8[p]
10000.0	142 ± 9.1[p]
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	508 ± 9.8
Positive Control[4]	

Experiment Number: **486118**

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

G06: Ames Summary Data

Test Compound: **Lithocholic acid**

CAS Number: **434-13-9**

Date Report Requested: **09/11/2018**

Time Report Requested: **22:24:04**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	26 ± 4.6	19 ± 3.8	10 ± 0.9	16 ± 0.6	10 ± 1.2
10.0		15 ± 1.5		9 ± 1.5	
33.0		14 ± 1.3		11 ± 2.5	
100.0	22 ± 5.2	15 ± 1.2	12 ± 3.3	6 ± 0.9	9 ± 2.6
333.0	15 ± 1.7	15 ± 1.8	9 ± 2.0	11 ± 1.8	6 ± 3.1
1000.0	10 ± 4.2[p]	12 ± 2.8[p]	3 ± 1.2[p]	11 ± 1.0[p]	5 ± 2.4[p]
3333.0	6 ± 0.3[p]		2 ± 0.3[p]		3 ± 0.9[p]
10000.0	5 ± 1.2[p]		3 ± 1.5[p]		6 ± 2.3[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[3]					284 ± 13.9
Positive Control[4]	336 ± 27.0	382 ± 23.8			
Positive Control[5]			152 ± 13.6	92 ± 4.9	

Experiment Number: **486118**

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

G06: Ames Summary Data

Test Compound: **Lithocholic acid**

CAS Number: **434-13-9**

Date Report Requested: **09/11/2018**

Time Report Requested: **22:24:04**

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	8 ± 1.7
10.0	
33.0	
100.0	11 ± 1.0
333.0	11 ± 2.6
1000.0	10 ± 1.7[p]
3333.0	8 ± 3.5[p]
10000.0	6 ± 1.3[p]
Trial Summary	Negative
Positive Control[3]	
Positive Control[4]	
Positive Control[5]	517 ± 42.7

Experiment Number: **486118**

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

G06: Ames Summary Data

Test Compound: **Lithocholic acid**

CAS Number: **434-13-9**

Date Report Requested: **09/11/2018**

Time Report Requested: **22:24:04**

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	124 ± 62.0	198 ± 6.1	190 ± 16.4	173 ± 10.6	189 ± 10.7
10.0		183 ± 13.9		173 ± 1.5	
33.0		156 ± 9.0		191 ± 9.0	
100.0	124 ± 62.4	153 ± 8.1	159 ± 7.2	164 ± 4.4	208 ± 17.7
333.0	152 ± 4.4	152 ± 8.7	161 ± 8.3	179 ± 9.3	179 ± 8.6
1000.0	104 ± 14.9[p]	114 ± 2.1[p]	184 ± 12.5[p]	155 ± 16.8[p]	161 ± 7.0[p]
3333.0	59 ± 16.9[p]		112 ± 10.4[p]		126 ± 12.8[p]
10000.0	36 ± 11.9[p]		111 ± 26.3[p]		118 ± 38.7[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					678 ± 32.2
Positive Control[3]			545 ± 36.3		
Positive Control[5]				459 ± 11.7	
Positive Control[6]	425 ± 8.1	441 ± 23.1			

Experiment Number: **486118**

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

G06: Ames Summary Data

Test Compound: **Lithocholic acid**

CAS Number: **434-13-9**

Date Report Requested: **09/11/2018**

Time Report Requested: **22:24:04**

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	190 ± 8.4
10.0	
33.0	
100.0	183 ± 9.4
333.0	179 ± 11.3
1000.0	147 ± 5.8[p]
3333.0	141 ± 14.6[p]
10000.0	134 ± 19.8[p]
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	448 ± 18.6
Positive Control[5]	
Positive Control[6]	

Experiment Number: **486118**

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

G06: Ames Summary Data

Test Compound: **Lithocholic acid**

CAS Number: **434-13-9**

Date Report Requested: **09/11/2018**

Time Report Requested: **22:24:04**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	21 ± 4.0	23 ± 3.2	34 ± 1.2	32 ± 0.6	32 ± 0.9
10.0		18 ± 4.1		25 ± 2.6	
33.0		17 ± 1.2		22 ± 4.0	
100.0	23 ± 5.5	15 ± 3.3	19 ± 2.4	20 ± 2.0	32 ± 3.2
333.0	16 ± 1.2	22 ± 2.7	20 ± 3.3	30 ± 3.2	29 ± 5.6
1000.0	13 ± 2.7[p]	13 ± 4.6[p]	12 ± 1.7[p]	31 ± 1.3[p]	21 ± 3.4[p]
3333.0	9 ± 2.6[p]		7 ± 1.2[p]		17 ± 2.6[p]
10000.0	9 ± 1.5[p]		8 ± 0.0[p]		24 ± 2.9[p]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					651 ± 19.4
Positive Control[3]			384 ± 22.2	96 ± 2.4	
Positive Control[7]	789 ± 33.4	563 ± 25.4			

Experiment Number: **486118**

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

G06: Ames Summary Data

Test Compound: **Lithocholic acid**

CAS Number: **434-13-9**

Date Report Requested: **09/11/2018**

Time Report Requested: **22:24:04**

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	30 ± 1.3
10.0	
33.0	
100.0	20 ± 2.2
333.0	25 ± 1.9
1000.0	24 ± 1.5[p]
3333.0	15 ± 1.8[p]
10000.0	21 ± 2.6[p]
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	242 ± 17.2
Positive Control[7]	

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: 0.5 ug/Plate 2-Aminoanthracene
3: 1.0 ug/Plate 2-Aminoanthracene
4: 1.0 ug/Plate Sodium Azide
5: 2.5 ug/Plate 2-Aminoanthracene
6: 25.0 ug/Plate 9-Aminoacridine
7: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine
p: Precipitate

** END OF REPORT **