Experiment Number: **A75903**

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

G06: Ames Summary Data

Test Compound: **2,4-Decadienal**

CAS Number: **25152-84-5**

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

Time Report Requested: **19:31:44**

NTP Study Number: A75903

Study Result: Negative

Experiment Number: **A75903**

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

G06: Ames Summary Data

Test Compound: **2,4-Decadienal**

CAS Number: **25152-84-5**

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

Time Report Requested: **19:31:44**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	111 ± 2.5	114 ± 3.5	125 ± 3.2	124 ± 5.5	127 ± 5.2
0.3	112 ± 2.8	110 ± 6.4			
1.0	117 ± 3.1	110 ± 4.5	111 ± 5.4		
3.0	117 ± 7.8	101 ± 3.1	113 ± 3.7	115 ± 0.9	116 ± 4.0
10.0	109 ± 2.0	106 ± 4.3	119 ± 4.7	109 ± 8.3	118 ± 2.0
16.0		80 ± 4.5[s]			
33.0	92 ± 4.7[s]		106 ± 7.8	113 ± 4.3	118 ± 4.7
100.0			108 ± 5.0	105 ± 10.1	108 ± 7.5
333.0				92 ± 9.9[s]	90 ± 2.7[s]
1000.0					
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					524 ± 13.0
Positive Control[3]			499 ± 7.2		
Positive Control[4]	959 ± 5.8	976 ± 33.0			
Positive Control[5]				817 ± 34.8	

Experiment Number: **A75903**

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

G06: Ames Summary Data

Test Compound: **2,4-Decadienal**

CAS Number: **25152-84-5**

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

Time Report Requested: **19:31:44**

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	113 ± 5.2
0.3	
1.0	
3.0	
10.0	110 ± 3.4
16.0	
33.0	112 ± 3.0
100.0	112 ± 4.9
333.0	113 ± 2.1
1000.0	86 ± 10.0[s]
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	562 ± 16.6
Positive Control[4]	
Positive Control[5]	

Experiment Number: **A75903**

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

G06: Ames Summary Data

Test Compound: **2,4-Decadienal**

CAS Number: **25152-84-5**

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

Time Report Requested: **19:31:44**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	9 ± 0.9	10 ± 0.9	9 ± 0.6	13 ± 0.9	10 ± 1.2
0.3	9 ± 0.3	12 ± 0.9			
1.0	7 ± 0.9	8 ± 0.6	12 ± 0.9		
3.0	7 ± 0.7	9 ± 0.3	10 ± 0.9	13 ± 1.8	9 ± 1.2
10.0	8 ± 1.0	11 ± 1.0	10 ± 1.5	16 ± 1.5	9 ± 0.6
16.0	9 ± 0.9	8 ± 0.3			
33.0			8 ± 1.2	12 ± 0.3	8 ± 0.9
100.0			10 ± 0.6	12 ± 1.0	12 ± 3.5
166.0				9 ± 0.3	
333.0					5 ± 0.7[s]
666.0					
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[3]					230 ± 7.5
Positive Control[4]	858 ± 15.0	816 ± 24.4			
Positive Control[5]			160 ± 9.5		
Positive Control[6]				143 ± 11.1	

Experiment Number: **A75903**

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

G06: Ames Summary Data

Test Compound: **2,4-Decadienal**

CAS Number: **25152-84-5**

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

Time Report Requested: **19:31:44**

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	13 ± 2.0
0.3	
1.0	
3.0	
10.0	13 ± 1.2
16.0	
33.0	12 ± 1.2
100.0	13 ± 0.9
166.0	
333.0	16 ± 3.0
666.0	8 ± 0.6
Trial Summary	Negative
Positive Control[3]	
Positive Control[4]	
Positive Control[5]	145 ± 4.4
Positive Control[6]	

Experiment Number: **A75903**

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

G06: Ames Summary Data

Test Compound: **2,4-Decadienal**

CAS Number: **25152-84-5**

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

Time Report Requested: **19:31:44**

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	148 ± 5.5	127 ± 4.4	137 ± 5.2	158 ± 6.4	124 ± 11.4
0.3	143 ± 5.5	122 ± 2.2			
1.0	153 ± 2.3	146 ± 5.8	137 ± 0.6		
3.0	147 ± 0.6	134 ± 9.0	146 ± 6.4	149 ± 6.7	137 ± 5.2
10.0	143 ± 9.5	122 ± 6.5	152 ± 2.2	158 ± 12.1	138 ± 3.0
16.0	59 ± 22.1[s]	77 ± 6.2[s]			
33.0			143 ± 9.8	163 ± 12.8	151 ± 1.9
100.0			120 ± 0.5	161 ± 2.0	143 ± 7.4
166.0				131 ± 2.4	
333.0					130 ± 7.9
666.0					
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					449 ± 14.9
Positive Control[3]			363 ± 21.1		
Positive Control[5]				466 ± 18.8	
Positive Control[7]	361 ± 21.4	368 ± 14.1			

Experiment Number: **A75903**

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

G06: Ames Summary Data

Test Compound: **2,4-Decadienal**

CAS Number: **25152-84-5**

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

Time Report Requested: **19:31:44**

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	155 ± 6.0
0.3	
1.0	
3.0	
10.0	159 ± 0.3
16.0	
33.0	168 ± 13.7
100.0	162 ± 7.2
166.0	
333.0	154 ± 21.0
666.0	99 ± 5.5
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	487 ± 12.2
Positive Control[5]	
Positive Control[7]	

Experiment Number: **A75903**

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

G06: Ames Summary Data

Test Compound: **2,4-Decadienal**

CAS Number: **25152-84-5**

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

Time Report Requested: **19:31:44**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	15 ± 1.7	15 ± 1.2	17 ± 0.3	19 ± 2.6	21 ± 1.9
0.3	19 ± 2.4	14 ± 0.9			
1.0	20 ± 1.2	14 ± 2.1	15 ± 1.0		
3.0	19 ± 3.6	17 ± 0.9	17 ± 1.5	15 ± 0.9	19 ± 3.5
10.0	20 ± 2.3	15 ± 1.7	17 ± 1.5	22 ± 2.5	20 ± 1.3
16.0		8 ± 1.0			
33.0	9 ± 3.8[x]		19 ± 4.5	16 ± 3.7	21 ± 0.9
100.0			16 ± 1.2	19 ± 3.5	18 ± 1.5
333.0				9 ± 0.9[s]	8 ± 0.9[s]
1000.0					
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					418 ± 11.6
Positive Control[3]			350 ± 15.1		
Positive Control[8]		327 ± 23.7			
Positive Control[9]	337 ± 25.3				
Positive Control[5]				407 ± 3.4	

Experiment Number: **A75903**

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

G06: Ames Summary Data

Test Compound: **2,4-Decadienal**

CAS Number: **25152-84-5**

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

Time Report Requested: **19:31:44**

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	18 ± 1.7
0.3	
1.0	
3.0	
10.0	15 ± 0.9
16.0	
33.0	17 ± 2.3
100.0	16 ± 2.4
333.0	20 ± 1.2
1000.0	7 ± 1.8[s]
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	424 ± 22.5
Positive Control[8]	
Positive Control[9]	
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: 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: 2.0 ug/Plate 4-Nitro-O-Phenylenediamine
9: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine
s: Slight Toxicity
x: Slight Toxicity and Precipitate

** END OF REPORT **