

CERTIFICATE OF ANALYSIS

Catalog No.: 1506
Product Name: EcoPlate™
Lot No.: 3903111
Expiration Date: 11 SEP 2026

Quality Profile

Results

Substrate position check: Passes test
Substrate response check: Passes test
ID performance check: Passes test
Contamination check
(No growth at 96 hours): Passes test

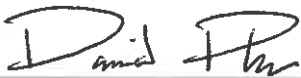
Storage Recommendations:

Store between 2 °C and 8 °C

Intended Use

Not for human *in vitro* diagnostic use

For Research Use Only



Quality Assurance




Date

biolog

21124 Cabot Blvd.
Hayward, CA 94545

biolog.com
+1 800 284 4949

CA1506 RevD
Effective Date: 10/20/2023

	QC Procedure	Document # QC1506
	EcoPlate	Revision: B Issue Date: 07/17/2019 Effective Date: 07/22/2019

Attachment 1 – EcoPlate Report Form

Section 1: Product Information:

Catalog No.:	1506
Product Name:	EcoPlate™
Lot No.:	390311
Expiration Date:	11 SEP 2026
Setup Technician Name:	Antonio Munguia
Start Date:	03/12/2025

Section 2: Contamination Check:

Temperature:	30 °C	35 °C
No. of Plates:	16	16
GN/GP IF Lot No.:	IF-0a 2502191	
Comments:	1 contaminant in plate 7	
Result (Pass/Fail):	PASS	



QC Procedure

EcoPlate

Document # QC1506

Revision: B

Issue Date: 07/17/2019

Effective Date: 07/22/2019

Date	Tech. Initials	QC Comments
3/27	AM	<p> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No C_{1,5,9} mismatch for 8614 Agr. rh_i </p> <p> $\begin{array}{r} C_1 \quad 1 \quad 2 \quad 3 \\ - \quad \quad \\ 0 \\ + \quad \quad \quad \end{array}$ </p> <p> $\begin{array}{r} C_5 \quad 1 \quad 2 \quad 3 \\ - \quad \quad \\ 0 \\ + \quad \quad \quad \end{array}$ </p> <p> $\begin{array}{r} C_9 \quad 1 \quad 2 \quad 3 \\ - \quad \quad \quad \\ 0 \\ + \quad \quad \quad \end{array}$ </p> <p> 948 997 1185 1580 1581 3822 8614 9928 C₁ 94 92 0 100 70 100 0 33 C₅ 94 92 0 100 70 100 0 33 C₉ 94 92 0 100 70 100 0 33 </p>

Section 4: Production Equipment Sterility Verification:

Setup By/Date: AM 3/12/2025

Biological Indicator Test Results at 55 °C – 60 °C

N/A

	24 Hours	48 Hours	Results
Indicator I	<input type="checkbox"/> Growth <input type="checkbox"/> No Growth	<input type="checkbox"/> Growth <input type="checkbox"/> No Growth	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
Indicator O	<input type="checkbox"/> Growth <input type="checkbox"/> No Growth	<input type="checkbox"/> Growth <input type="checkbox"/> No Growth	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

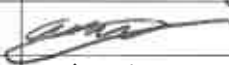

Autoclave Performance Test Results

N/A

AM
3/27

	Expected Results	Actual Results
Autoclave Wheel	265 °C for 60 min	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Steam Indicator	Green or Brown	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail

Section 5: Results:

Result (Pass/Fail):	PASS
Technician Name:	Antonio Munguia
Signature:	
Date:	3/27/2025
QA Approval:	
Date:	27 MAR 2025

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 cont.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 Perf 1.D4C
 Unrestricted Access? : Yes
 Read Time : Aug 06 2025 22:54
 Parent File : Original Data Record
 Plate Number : 1
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number :
 Strain Name : cont chk 30
 Other :
 Data Input Mode : Reader
 590/750 Filters Used : 6 / 5
 Threshold Mode : Automatic: Color: 13/13
 Number +/- Reactions : 0 / 0 / 96
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	-2	0	-1	0	0	0	-1	0	-2	0	2
B	4	0	0	-0	1	-1	-1	0	0	0	-1	1
C	3	0	0	0	3	-1	-1	-1	1	-1	-2	-1
D	1	-3	-2	-2	-1	-1	-4	-6	-3	-4	-4	-1
E	-1	-2	-2	-2	-1	-2	-3	-4	-4	-3	-2	0
F	1	-3	-2	0	3	-3	-2	-2	1	-3	-1	-6
G	-4	-7	-6	-7	-6	-5	-6	-6	-7	-8	-5	-2
H	-1	-2	-1	0	0	0	-1	-1	-2	-1	0	0

=> No ID Yet : Fewer Than 3 Positives <=

Species	PROB	SIM	DIST	TYPE
=>1)				
2)				
3)				
4)				
5)				
6)				
7)				
8)				
9)				
10)				
Other)				

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 cont.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 Perf 1.D4C
 Unrestricted Access? : Yes
 Read Time : Aug 06 2025 22:55
 Parent File : Original Data Record
 Plate Number : 2
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number :
 Strain Name : cont chk 30
 Other :
 Data Input Mode : Reader
 590/750 Filters Used : 6 / 5
 Threshold Mode : Automatic: Color: 13/14
 Number +/- Reactions : 0 / 0 / 96
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	0	1	0	0	-2	-1	-2	0	-1	2	-1
B	3	3	2	2	-1	-2	-2	-2	0	-1	1	2
C	3	2	1	1	2	-3	-3	-3	2	-2	-2	0
D	4	-1	-1	-1	-2	-6	-5	-5	-2	-4	-2	-1
E	-2	-1	-1	-1	-3	-4	-4	-4	-3	-3	-2	-1
F	1	-1	-2	-2	1	-5	-5	-5	2	-4	-4	-6
G	-2	-6	-4	-5	-9	-9	-8	-9	-8	-8	-7	-3
H	2	-2	-1	-1	-4	-2	-5	-5	-4	-4	-4	0

=> No ID Yet : Fewer Than 3 Positives <=

Species	PROB	SIM	DIST	TYPE
=>1)				
2)				
3)				
4)				
5)				
6)				
7)				
8)				
9)				
10)				
Other)				

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 cont.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 Perf 1.D4C
 Unrestricted Access? : Yes
 Read Time : Aug 06 2025 22:56
 Parent File : Original Data Record
 Plate Number : 3
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number :
 Strain Name : cont chk 30
 Other :
 Data Input Mode : Reader
 590/750 Filters Used : 6 / 5
 Threshold Mode : Automatic: Color: 13/13
 Number +/- Reactions : 0 / 0 / 96
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	0	1	1	0	-3	0	-2	0	-2	0	-1
B	3	2	1	-1	0	-1	-1	-1	0	0	0	2
C	2	1	-0	0	2	0	0	0	2	-1	-1	0
D	1	-2	-1	-2	-1	-2	-1	-2	-1	-1	-2	0
E	-1	-1	-2	-2	-3	-3	-4	-3	-3	-2	-3	-1
F	2	-3	-3	-4	1	-6	-4	-5	1	-5	-3	-6
G	-3	-5	-4	-6	-8	-7	-6	-6	-8	-8	-6	-4
H	1	-1	-1	-1	-2	-1	-2	-2	-1	-1	-2	-0

=> No ID Yet : Fewer Than 3 Positives <=

Species	PROB	SIM	DIST	TYPE
=>1)				
2)				
3)				
4)				
5)				
6)				
7)				
8)				
9)				
10)				
Other)				

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 cont.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 Perf 1.D4C
 Unrestricted Access? : Yes
 Read Time : Aug 06 2025 22:57
 Parent File : Original Data Record
 Plate Number : 4
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number :
 Strain Name : cont chk 30
 Other :
 Data Input Mode : Reader
 590/750 Filters Used : 6 / 5
 Threshold Mode : Automatic: Color: 13/14
 Number +/- Reactions : 0 / 0 / 96
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	0	1	-1	0	-1	0	0	0	-1	1	1
B	2	1	1	1	0	-1	-2	-1	1	1	1	3
C	3	0	0	0	1	-2	-2	-1	4	0	-1	1
D	3	-2	-1	-3	-0	-3	-2	-3	-1	-1	-2	-0
E	-1	-1	-1	-2	-3	-3	-1	-1	-3	-3	-2	-0
F	2	-1	-2	-2	1	-1	-0	-5	2	-4	-2	-3
G	0	-4	-4	-5	-6	-7	-2	-4	-7	-7	-5	-3
H	3	0	0	1	-0	1	1	-2	-1	-1	-1	1

=> No ID Yet : Fewer Than 3 Positives <=

Species	PROB	SIM	DIST	TYPE
=>1)				
2)				
3)				
4)				
5)				
6)				
7)				
8)				
9)				
10)				
Other)				

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 cont.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 Perf 1.D4C
 Unrestricted Access? : Yes
 Read Time : Aug 06 2025 22:58
 Parent File : Original Data Record
 Plate Number : 5
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number :
 Strain Name : cont chk 30
 Other :
 Data Input Mode : Reader
 590/750 Filters Used : 6 / 5
 Threshold Mode : Automatic: Color: 12/13
 Number +/- Reactions : 0 / 0 / 96
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	-1	1	0	0	-1	-0	-2	0	-3	1	-2
B	3	1	1	1	0	-1	-0	-1	-1	-1	-1	2
C	2	-0	0	0	1	-1	-1	-2	-1	-3	-2	-1
D	3	-2	-0	-2	0	-3	-3	-5	-3	-4	-2	-1
E	-2	-2	-2	-2	-3	-3	-3	-3	-4	-4	-3	-2
F	1	-3	-2	-4	1	-6	-4	-4	0	-4	-5	-6
G	-3	-7	-6	-6	-7	-8	-7	-8	-10	-8	-8	-5
H	-0	-3	-3	-3	-3	-2	-2	-3	-4	-5	-4	-2

=> No ID Yet : Fewer Than 3 Positives <=

Species	PROB	SIM	DIST	TYPE
=>1)				
2)				
3)				
4)				
5)				
6)				
7)				
8)				
9)				
10)				
Other)				

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 cont.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 Perf 1.D4C
 Unrestricted Access? : Yes
 Read Time : Aug 06 2025 22:58
 Parent File : Original Data Record
 Plate Number : 5
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number :
 Strain Name : cont chk 30
 Other :
 Data Input Mode : Reader
 590/750 Filters Used : 6 / 5
 Threshold Mode : Automatic: Color: 15/16
 Number +/- Reactions : 0 / 0 / 96
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	-2	0	-1	0	0	-3	-1	0	0	1	2
B	2	0	-1	0	1	2	2	-1	4	4	4	7
C	3	0	0	0	2	1	1	0	4	3	3	4
D	1	-2	-1	-3	-1	-4	-2	-4	2	2	2	3
E	-1	-4	-2	-2	-2	-1	-3	-3	1	1	1	3
F	1	-2	-4	-2	5	-4	-2	-1	6	2	1	-2
G	-4	-5	-7	-4	-6	-4	-6	-7	-3	-3	-3	-0
H	1	-4	-2	-1	-1	-1	-2	-3	1	-1	0	3

=> No ID Yet : Fewer Than 3 Positives <=

Species	PROB	SIM	DIST	TYPE
=>1)				
2)				
3)				
4)				
5)				
6)				
7)				
8)				
9)				
10)				
Other)				

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 cont.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 Perf 1.D4C
 Unrestricted Access? : Yes
 Read Time : Aug 06 2025 22:59
 Parent File : Original Data Record
 Plate Number : 6
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number :
 Strain Name : cont chk 30
 Other :
 Data Input Mode : Reader
 590/750 Filters Used : 6 / 5
 Threshold Mode : Automatic: Color: 14/15
 Number +/- Reactions : 0 / 0 / 96
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	-2	0	-1	0	2	1	0	0	-1	1	0
B	2	0	-1	-1	3	3	4	2	1	1	1	3
C	3	0	-1	0	3	2	2	2	2	-1	-1	1
D	1	-2	-2	-3	2	-2	0	-3	-1	-2	-2	1
E	-1	-4	-2	-2	-1	0	0	-1	-2	-2	-2	0
F	1	-1	-4	-2	6	-2	1	1	4	0	-1	-5
G	-4	-5	-8	-6	-4	-2	-4	-5	-6	-6	-5	-3
H	1	-4	-2	-1	0	1	-1	-1	-2	-3	-3	-0

=> No ID Yet : Fewer Than 3 Positives <=

Species	PROB	SIM	DIST	TYPE
=>1)				
2)				
3)				
4)				
5)				
6)				
7)				
8)				
9)				
10)				
Other)				

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 cont.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 Perf 1.D4C
 Unrestricted Access? : Yes
 Read Time : Aug 06 2025 22:59
 Parent File : Original Data Record
 Plate Number : 7
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number :
 Strain Name : cont chk 30
 Other :
 Data Input Mode : Reader
 590/750 Filters Used : 6 / 5
 Threshold Mode : Automatic: Color: 16/18
 Number +/- Reactions : 1 / 0 / 95
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	0	-1	-2	0	-2	1	0	0	-2	-0	-1
B	3	1	2	-2	2	9	1	2	-0	2	2	4
C	4	0	0	0	6	6	1	2	4	-0	-0	2
D	3	-1	1	-3	0	5	-1	-2	-1	-1	-1	1
E	0	-1	-2	-2	-1	<3732>	-1	-1	-1	-2	-1	-1
F	1	-4	-5	-3	-8	-6	1	-1	3	-1	-2	-5
G	-3	-7	-5	-6	-6	-6	-6	-6	-6	-5	-7	-4
H	-1	-3	-2	-2	-2	0	-2	-1	-2	-2	-2	-0

=> No ID Yet : Fewer Than 3 Positives <=

Species	PROB	SIM	DIST	TYPE
=>1)				
2)				
3)				
4)				
5)				
6)				
7)				
8)				
9)				
10)				
Other)				

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 cont.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 Perf 1.D4C
 Unrestricted Access? : Yes
 Read Time : Aug 06 2025 23:00
 Parent File : Original Data Record
 Plate Number : 8
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number :
 Strain Name : cont chk 30
 Other :
 Data Input Mode : Reader
 590/750 Filters Used : 6 / 5
 Threshold Mode : Automatic: Color: 15/15
 Number +/- Reactions : 0 / 0 / 96
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	-1	1	0	0	-1	0	-2	0	0	-3	3
B	6	-1	1	0	2	1	1	0	1	1	1	4
C	5	1	2	2	5	0	0	0	1	-1	0	0
D	1	-2	-1	-1	-1	-4	-4	-4	-2	-1	-2	-1
E	-1	-2	-1	-1	-3	-1	-1	-2	-2	-3	-1	-1
F	4	-1	-1	0	2	-2	-3	-2	3	-1	-2	-4
G	-4	-3	-3	-5	-7	-6	-6	-6	-7	-6	-6	-5
H	1	-3	-2	-2	-2	-2	-1	-1	-2	-4	-3	0

=> No ID Yet : Fewer Than 3 Positives <=

Species	PROB	SIM	DIST	TYPE
=>1)				
2)				
3)				
4)				
5)				
6)				
7)				
8)				
9)				
10)				
Other)				

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 cont.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 Perf 1.D4C
 Unrestricted Access? : Yes
 Read Time : Aug 06 2025 23:01
 Parent File : Original Data Record
 Plate Number : 9
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number :
 Strain Name : cont chk 30
 Other :
 Data Input Mode : Reader
 590/750 Filters Used : 6 / 5
 Threshold Mode : Automatic: Color: 14/15
 Number +/- Reactions : 0 / 0 / 96
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	0	1	0	0	-1	1	-1	0	-2	-1	-1
B	4	2	3	1	2	1	0	0	0	-1	0	2
C	6	2	2	1	4	0	0	0	3	-2	-2	0
D	3	1	0	-2	0	-3	-4	-5	-2	-2	-4	0
E	0	-1	-1	-1	-2	-3	-3	-3	-4	-3	-3	-1
F	2	-2	-2	-2	1	-4	-4	-4	1	-4	-4	-5
G	-2	-5	-5	-5	-7	-5	-6	-8	-8	-8	-5	-3
H	2	-1	-1	1	0	-1	-1	-1	-2	-2	-2	-1

=> No ID Yet : Fewer Than 3 Positives <=

Species	PROB	SIM	DIST	TYPE
=>1)				
2)				
3)				
4)				
5)				
6)				
7)				
8)				
9)				
10)				
Other)				

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 cont.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 Perf 1.D4C
 Unrestricted Access? : Yes
 Read Time : Aug 06 2025 23:02
 Parent File : Original Data Record
 Plate Number : 10
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number :
 Strain Name : cont chk 30
 Other :
 Data Input Mode : Reader
 590/750 Filters Used : 6 / 5
 Threshold Mode : Automatic: Color: 14/15
 Number +/- Reactions : 0 / 0 / 96
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	-3	-1	-2	0	-2	1	-2	0	-1	-0	0
B	4	0	-1	-1	1	0	-1	0	2	1	1	5
C	4	1	-1	0	3	0	-1	0	6	-1	0	1
D	1	-4	-4	-5	0	-4	-4	-4	-1	-4	-6	0
E	-3	-3	-4	-5	-2	-6	-3	-3	-3	-3	-2	-1
F	-1	-2	-4	-1	-3	-3	-2	-2	4	-2	-2	-4
G	-6	-8	-7	-8	-7	-4	-6	-7	-7	-8	-7	-4
H	-1	-3	-3	-2	-3	0	-1	-2	-2	-2	-3	1

=> No ID Yet : Fewer Than 3 Positives <=

Species	PROB	SIM	DIST	TYPE
=>1)				
2)				
3)				
4)				
5)				
6)				
7)				
8)				
9)				
10)				
Other)				

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 cont.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 Perf 1.D4C
 Unrestricted Access? : Yes
 Read Time : Aug 06 2025 23:02
 Parent File : Original Data Record
 Plate Number : 11
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number :
 Strain Name : cont chk 30
 Other :
 Data Input Mode : Reader
 590/750 Filters Used : 6 / 5
 Threshold Mode : Automatic: Color: 15/15
 Number +/- Reactions : 0 / 0 / 96
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	-2	0	-2	0	-1	0	-1	0	1	4	4
B	3	2	0	-1	1	0	1	0	3	3	3	6
C	3	0	0	0	3	0	0	0	5	3	1	4
D	1	-1	-2	-1	0	-4	-2	-4	0	-3	0	3
E	-1	-2	-2	-2	-3	-3	-3	-4	-1	-1	-1	2
F	2	-2	-3	-2	2	-4	-2	-2	4	0	1	-2
G	-4	-6	-5	-6	-6	-7	-4	-6	-6	-5	-3	1
H	0	-1	-1	-2	-0	0	0	-1	1	0	1	5

=> No ID Yet : Fewer Than 3 Positives <=

Species	PROB	SIM	DIST	TYPE
=>1)				
2)				
3)				
4)				
5)				
6)				
7)				
8)				
9)				
10)				
Other)				

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 cont.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 Perf 1.D4C
 Unrestricted Access? : Yes
 Read Time : Aug 06 2025 23:03
 Parent File : Original Data Record
 Plate Number : 12
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number :
 Strain Name : cont chk 30
 Other :
 Data Input Mode : Reader
 590/750 Filters Used : 6 / 5
 Threshold Mode : Automatic: Color: 13/13
 Number +/- Reactions : 0 / 0 / 96
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	-1	-2	-2	0	-1	-1	-2	0	-2	0	0
B	1	-0	0	1	1	1	1	1	1	1	1	3
C	2	1	-1	-1	2	1	1	1	3	-1	0	2
D	2	-2	-2	-3	-1	-3	-0	-4	-1	-4	-2	1
E	-2	-1	-3	-4	-2	-2	-2	-4	-2	-2	-1	0
F	3	-3	-4	-4	2	-4	-3	-2	1	-3	-4	-4
G	-2	-6	-7	-8	-8	-8	-7	-7	-6	-7	-6	-2
H	-0	-5	-5	-5	-3	-2	-4	-2	-2	-4	-1	1

=> No ID Yet : Fewer Than 3 Positives <=

Species	PROB	SIM	DIST	TYPE
=>1)				
2)				
3)				
4)				
5)				
6)				
7)				
8)				
9)				
10)				
Other)				

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 cont.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 Perf 1.D4C
 Unrestricted Access? : Yes
 Read Time : Aug 06 2025 23:04
 Parent File : Original Data Record
 Plate Number : 13
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number :
 Strain Name : cont chk 30
 Other :
 Data Input Mode : Reader
 590/750 Filters Used : 6 / 5
 Threshold Mode : Automatic: Color: 14/14
 Number +/- Reactions : 0 / 0 / 96
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	-1	1	-1	0	-2	-0	-3	0	-2	0	-1
B	4	2	2	2	0	0	-1	-1	0	-2	1	3
C	4	1	1	0	2	-1	-1	0	5	-2	-2	1
D	3	-3	-3	0	-1	-3	-4	-5	-3	-5	-4	-1
E	1	-1	-1	-2	-3	-4	-4	-4	-3	-4	-3	-2
F	2	-3	-4	-3	-1	-6	-5	-4	0	-4	-5	-6
G	-3	-6	-5	-6	-8	-11	-6	-8	-9	-8	-7	-3
H	0	-2	-0	0	-3	-2	-2	-2	-3	-3	-1	2

=> No ID Yet : Fewer Than 3 Positives <=

Species	PROB	SIM	DIST	TYPE
=>1)				
2)				
3)				
4)				
5)				
6)				
7)				
8)				
9)				
10)				
Other)				

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 cont.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 Perf 1.D4C
 Unrestricted Access? : Yes
 Read Time : Aug 06 2025 23:05
 Parent File : Original Data Record
 Plate Number : 14
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number :
 Strain Name : cont chk 30
 Other :
 Data Input Mode : Reader
 590/750 Filters Used : 6 / 5
 Threshold Mode : Automatic: Color: 12/13
 Number +/- Reactions : 0 / 0 / 96
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	-2	-1	-1	0	-3	-1	-2	0	-1	-1	-1
B	1	0	-1	-0	0	-1	-1	-2	0	0	1	1
C	2	-0	-2	-1	2	-2	-2	-3	1	-1	-2	0
D	1	-2	-4	-2	-3	-5	-2	-6	-2	-3	-4	0
E	-2	-4	-4	-4	-4	-4	-4	-5	-3	-3	-3	-2
F	-1	-5	-4	-5	1	-7	-3	-5	3	-4	-4	-6
G	-4	-8	-7	-7	-10	-7	-7	-9	-8	-7	-5	-3
H	-1	-4	-5	-3	-4	-2	-3	-3	-2	-2	-2	1

=> No ID Yet : Fewer Than 3 Positives <=

Species	PROB	SIM	DIST	TYPE
=>1)				
2)				
3)				
4)				
5)				
6)				
7)				
8)				
9)				
10)				
Other)				

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 cont.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 Perf 1.D4C
 Unrestricted Access? : Yes
 Read Time : Aug 06 2025 23:06
 Parent File : Original Data Record
 Plate Number : 15
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number :
 Strain Name : cont chk 30
 Other :
 Data Input Mode : Reader
 590/750 Filters Used : 6 / 5
 Threshold Mode : Automatic: Color: 15/16
 Number +/- Reactions : 0 / 0 / 96
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	0	1	0	0	-2	-1	-2	0	-2	1	-1
B	4	2	2	3	-0	-2	0	-1	2	1	2	4
C	6	2	-0	2	3	7	-1	0	3	-0	0	2
D	4	0	-1	-1	-1	-5	-1	-4	-1	-1	-2	-0
E	1	-0	0	-1	-3	-3	-2	-2	-2	-2	-1	0
F	4	-1	-1	0	3	-2	2	-3	3	-2	-2	-4
G	0	-4	-2	-4	-7	-0	-6	-7	-7	-4	-4	-2
H	2	0	1	1	-1	-1	-1	-1	-1	-1	-0	1

=> No ID Yet : Fewer Than 3 Positives <=

Species	PROB	SIM	DIST	TYPE
=>1)				
2)				
3)				
4)				
5)				
6)				
7)				
8)				
9)				
10)				
Other)				

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 cont.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 Perf 1.D4C
 Unrestricted Access? : Yes
 Read Time : Aug 06 2025 23:06
 Parent File : Original Data Record
 Plate Number : 16
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number :
 Strain Name : cont chk 30
 Other :
 Data Input Mode : Reader
 590/750 Filters Used : 6 / 5
 Threshold Mode : Automatic: Color: 15/16
 Number +/- Reactions : 0 / 0 / 96
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	-0	1	0	0	-3	-1	-3	0	-3	0	-1
B	5	4	4	4	-0	-1	0	-1	1	0	1	2
C	7	3	2	3	4	0	-1	-1	2	0	0	1
D	4	2	1	1	-1	-3	-3	-3	-1	-3	-2	0
E	1	0	-0	-0	-3	-3	-4	-3	-2	-2	-2	-1
F	3	-1	-1	-0	2	-3	-4	-3	2	-4	-2	-5
G	-2	-5	-4	-4	-7	-7	-7	-7	-7	-7	-6	-1
H	1	-1	-1	0	-3	-3	-2	-3	-2	-2	-2	0

=> No ID Yet : Fewer Than 3 Positives <=

Species	PROB	SIM	DIST	TYPE
=>1)				
2)				
3)				
4)				
5)				
6)				
7)				
8)				
9)				
10)				
Other)				

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 cont.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 Perf 1.D4C
 Unrestricted Access? : Yes
 Read Time : Aug 06 2025 23:07
 Parent File : Original Data Record
 Plate Number : 17
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number :
 Strain Name : cont chk 36
 Other :
 Data Input Mode : Reader
 590/750 Filters Used : 6 / 5
 Threshold Mode : Automatic: Color: 11/12
 Number +/- Reactions : 0 / 0 / 96
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	-3	-3	-4	0	-1	-1	-2	0	-1	1	2
B	-1	-3	-5	-5	-2	-2	-1	-2	-2	-2	-2	2
C	-2	-7	-5	-5	0	-2	-3	-3	-3	-5	-4	1
D	-3	-8	-8	-9	-5	-7	-6	-9	-5	-7	-4	-1
E	-6	-7	-8	-8	-6	-5	-5	-6	-6	-6	-6	-3
F	-2	-9	-8	-8	-1	-8	-7	-7	-2	-8	-9	-2
G	-6	-14	-13	-13	-11	-10	-10	-11	-12	-9	-7	-3
H	-4	-6	-7	-6	-4	-3	-4	-3	-3	-3	-3	-2

=> No ID Yet : Fewer Than 3 Positives <=

Species	PROB	SIM	DIST	TYPE
=>1)				
2)				
3)				
4)				
5)				
6)				
7)				
8)				
9)				
10)				
Other)				

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 cont.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 Perf 1.D4C
 Unrestricted Access? : Yes
 Read Time : Aug 06 2025 23:08
 Parent File : Original Data Record
 Plate Number : 18
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number :
 Strain Name : cont chk 36
 Other :
 Data Input Mode : Reader
 590/750 Filters Used : 6 / 5
 Threshold Mode : Automatic: Color: 12/12
 Number +/- Reactions : 0 / 0 / 96
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	-3	-1	-3	0	-1	2	-1	0	-1	1	2
B	0	-2	-3	-2	1	-0	-1	-1	-1	-2	-0	0
C	-1	-3	-4	-4	-0	-2	-1	-2	-2	-3	-3	-1
D	0	-5	-5	-7	-1	-4	-3	-4	-4	-6	-3	-1
E	-4	-5	-6	-6	-5	-4	-5	-4	-5	-5	-4	-0
F	-1	-6	-6	-8	-0	-6	-4	-5	0	-5	-5	-4
G	-4	-9	-8	-10	-8	-6	-5	-7	-9	-8	-5	-3
H	-2	-4	-4	-3	-1	-1	-1	-2	-3	-3	-2	0

=> No ID Yet : Fewer Than 3 Positives <=

Species	PROB	SIM	DIST	TYPE
=>1)				
2)				
3)				
4)				
5)				
6)				
7)				
8)				
9)				
10)				
Other)				

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 cont.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 Perf 1.D4C
 Unrestricted Access? : Yes
 Read Time : Aug 06 2025 23:17
 Parent File : Original Data Record
 Plate Number : 19
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number :
 Strain Name : cont chk 36
 Other :
 Data Input Mode : Reader
 590/750 Filters Used : 6 / 5
 Threshold Mode : Automatic: Color: 11/12
 Number +/- Reactions : 0 / 0 / 96
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	-3	-1	-2	0	-2	0	-3	0	-2	1	1
B	1	-1	-4	-3	-2	-2	-2	-3	-1	-2	-1	0
C	1	-4	-3	-4	-3	-4	-4	-4	-3	-3	-3	0
D	-1	-5	-6	-6	-5	-8	-6	-7	-4	-6	-5	-1
E	-4	-6	-6	-7	-7	-6	-6	-7	-5	-5	-5	-3
F	-1	-7	-6	-7	-2	-8	-7	-7	-1	-5	-5	-2
G	-5	-10	-9	-10	-12	-12	-9	-11	-11	-10	-8	-2
H	-3	-4	-4	-4	-4	-4	-5	-5	-4	-4	-3	-0

=> No ID Yet : Fewer Than 3 Positives <=

Species	PROB	SIM	DIST	TYPE
=>1)				
2)				
3)				
4)				
5)				
6)				
7)				
8)				
9)				
10)				
Other)				

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 cont.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 Perf 1.D4C
 Unrestricted Access? : Yes
 Read Time : Aug 06 2025 23:18
 Parent File : Original Data Record
 Plate Number : 20
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number :
 Strain Name : cont chk 36
 Other :
 Data Input Mode : Reader
 590/750 Filters Used : 6 / 5
 Threshold Mode : Automatic: Color: 11/12
 Number +/- Reactions : 0 / 0 / 96
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 (X): borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	-2	-1	-3	0	-3	-1	-2	0	-1	1	1
B	0	-1	-2	-1	-1	-2	-2	-2	-1	0	0	2
C	0	-1	-4	-4	-2	-4	-3	-2	-1	-2	-2	-1
D	1	-4	-7	-6	-2	-7	-6	-8	-3	-4	-4	0
E	-3	-4	-6	-6	-5	-5	-5	-5	-4	-4	-3	-3
F	-1	-5	-6	-7	-2	-7	-6	-5	0	-2	-4	-5
G	-4	-8	-9	-10	-10	-10	-9	-10	-9	-8	-6	-3
H	-1	-3	-4	-3	-3	-3	-3	-3	-3	-2	-2	-0

=> No ID Yet : Fewer Than 3 Positives <=

Species	PROB	SIM	DIST	TYPE
=>1)				
2)				
3)				
4)				
5)				
6)				
7)				
8)				
9)				
10)				
Other)				

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 cont.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 Perf 1.D4C
 Unrestricted Access? : Yes
 Read Time : Aug 06 2025 23:18
 Parent File : Original Data Record
 Plate Number : 21
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number :
 Strain Name : cont chk 36
 Other :
 Data Input Mode : Reader
 590/750 Filters Used : 6 / 5
 Threshold Mode : Automatic: Color: 12/12
 Number +/- Reactions : 0 / 0 / 96
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	-3	-2	-2	0	-1	2	0	0	-2	0	0
B	1	-1	-2	-1	1	-0	-0	0	-1	-1	-1	1
C	-0	-2	-2	-1	0	-1	-2	-2	-2	-4	-4	-2
D	1	-3	-4	-5	-0	-4	-4	-5	-3	-7	-6	0
E	-2	-5	-3	-4	-4	-3	-3	-4	-5	-5	-4	-3
F	-1	-3	-4	-6	-2	-6	-4	-4	0	-6	-5	-6
G	-3	-8	-6	-7	-9	-7	-6	-8	-11	-9	-7	-3
H	-1	-2	-2	-3	-2	-1	-1	-1	-3	-3	-2	-1

=> No ID Yet : Fewer Than 3 Positives <=

Species	PROB	SIM	DIST	TYPE
=>1)				
2)				
3)				
4)				
5)				
6)				
7)				
8)				
9)				
10)				
Other)				

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 cont.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 Perf 1.D4C
 Unrestricted Access? : Yes
 Read Time : Aug 06 2025 23:20
 Parent File : Original Data Record
 Plate Number : 22
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number :
 Strain Name : cont chk 36
 Other :
 Data Input Mode : Reader
 590/750 Filters Used : 6 / 5
 Threshold Mode : Automatic: Color: 11/11
 Number +/- Reactions : 0 / 0 / 96
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	-3	-1	-3	0	-2	0	-3	0	-1	1	0
B	1	-2	-2	-3	-1	-2	-3	-3	-1	-1	-1	1
C	1	-4	-4	-4	-3	-5	-5	-5	-2	-4	-3	-1
D	0	-6	-5	-8	-4	-8	-5	-6	-4	-5	-5	-1
E	-4	-6	-6	-6	-6	-7	-6	-7	-5	-6	-5	-4
F	0	-5	-6	-6	-3	-9	-7	-7	0	-7	-5	-4
G	-5	-10	-10	-10	-12	-11	-9	-11	-10	-10	-7	-4
H	-4	-4	-4	-5	-5	-4	-5	-6	-5	-5	-3	-1

=> No ID Yet : Fewer Than 3 Positives <=

Species	PROB	SIM	DIST	TYPE
=>1)				
2)				
3)				
4)				
5)				
6)				
7)				
8)				
9)				
10)				
Other)Agr.rhizobium	---	---	42.33	N/A

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 cont.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 Perf 1.D4C
 Unrestricted Access? : Yes
 Read Time : Aug 06 2025 23:21
 Parent File : Original Data Record
 Plate Number : 23
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number :
 Strain Name : cont chk 36
 Other :
 Data Input Mode : Reader
 590/750 Filters Used : 6 / 5
 Threshold Mode : Automatic: Color: 12/13
 Number +/- Reactions : 0 / 0 / 96
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	-2	0	-2	0	-2	-1	-3	0	-1	0	1
B	2	0	-1	-3	-0	-1	-2	-2	0	1	0	0
C	2	-2	-1	-2	-2	-3	-3	-3	-0	-3	-2	0
D	1	-3	-4	-5	-2	-7	-6	-7	-3	-6	-4	0
E	-2	-4	-4	-5	-5	-5	-5	-5	-4	-4	-4	-2
F	0	-4	-4	-2	-1	-6	-4	-6	2	-5	-4	-3
G	-3	-9	-7	-8	-10	-11	-7	-11	-10	-10	-6	-4
H	-1	-3	-3	-5	-4	-4	-5	-4	-3	-3	-2	0

=> No ID Yet : Fewer Than 3 Positives <=

Species	PROB	SIM	DIST	TYPE
=>1)				
2)				
3)				
4)				
5)				
6)				
7)				
8)				
9)				
10)				
Other)Agr.rhizobium	---	---	42.33	N/A

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 cont.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 Perf 1.D4C
 Unrestricted Access? : Yes
 Read Time : Aug 06 2025 23:22
 Parent File : Original Data Record
 Plate Number : 24
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number :
 Strain Name : cont chk 36
 Other :
 Data Input Mode : Reader
 590/750 Filters Used : 6 / 5
 Threshold Mode : Automatic: Color: 12/12
 Number +/b/- Reactions : 0 / 0 / 96
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	-3	-3	-4	0	-2	-1	-2	0	-2	1	2
B	2	-1	-3	-3	0	-1	-2	-1	1	1	1	2
C	1	-2	-3	-4	2	-2	-2	-3	-0	-1	-1	2
D	0	-7	-6	-7	-2	-6	-6	-5	-1	-5	-2	0
E	-4	-5	-6	-6	-4	-4	-5	-5	-3	-4	-3	-2
F	-1	-6	-7	-7	-0	-7	-6	-6	0	-3	-4	-3
G	-3	-11	-9	-9	-9	-9	-8	-9	-9	-9	-6	-2
H	-2	-4	-4	-4	-2	-2	-3	-3	-2	-1	-1	1

=> No ID Yet : Fewer Than 3 Positives <=

Species	PROB	SIM	DIST	TYPE
=>1)				
2)				
3)				
4)				
5)				
6)				
7)				
8)				
9)				
10)				
Other) Agr.rhizobium	---	---	42.33	N/A

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 cont.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 Perf 1.D4C
 Unrestricted Access? : Yes
 Read Time : Aug 06 2025 23:23
 Parent File : Original Data Record
 Plate Number : 25
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number :
 Strain Name : cont chk 36
 Other :
 Data Input Mode : Reader
 590/750 Filters Used : 6 / 5
 Threshold Mode : Automatic: Color: 13/13
 Number +/- Reactions : 0 / 0 / 96
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	-2	-1	-2	0	-2	1	-2	0	-1	2	3
B	3	-1	-1	-2	-1	-2	2	-1	0	0	-1	4
C	2	-1	-1	-1	-1	-2	-2	-2	-2	-2	-2	2
D	1	-5	-5	-5	-3	-6	-6	-5	-3	-4	-3	0
E	-2	-3	-4	-5	-4	-4	-6	-4	-5	-4	-3	-1
F	2	-5	-5	-5	-0	-5	-6	-5	0	-4	-5	-1
G	-2	-8	-8	-9	-8	-8	-7	-8	-9	-7	-4	-1
H	0	-2	-2	-1	-1	0	-2	-1	0	-1	-1	1

=> No ID Yet : Fewer Than 3 Positives <=

Species	PROB	SIM	DIST	TYPE
=>1)				
2)				
3)				
4)				
5)				
6)				
7)				
8)				
9)				
10)				
Other)Agr.rhizobium	---	---	42.33	N/A

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 cont.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 Perf 1.D4C
 Unrestricted Access? : Yes
 Read Time : Aug 06 2025 23:24
 Parent File : Original Data Record
 Plate Number : 26
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number :
 Strain Name : cont chk 36
 Other :
 Data Input Mode : Reader
 590/750 Filters Used : 6 / 5
 Threshold Mode : Automatic: Color: 13/13
 Number +/- Reactions : 0 / 0 / 96
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	-2	0	2	0	-1	-2	-2	0	-0	-1	2
B	3	0	-1	-1	-1	0	-1	-1	-1	-1	0	3
C	2	0	-2	-2	-1	-2	-2	-1	-2	-2	-2	0
D	1	-3	-4	-5	-3	-6	-4	-6	-2	-6	-2	-0
E	-3	-3	-4	-6	-5	-4	-6	-6	-3	-3	-3	-3
F	2	-3	-5	-4	-1	-6	-7	0	2	-2	-6	-2
G	-3	-9	-7	-8	-9	-7	-8	-7	-7	-6	-5	-3
H	-2	-2	-2	-1	-1	-1	-1	1	1	-1	-1	-0

=> No ID Yet : Fewer Than 3 Positives <=

Species	PROB	SIM	DIST	TYPE
=>1)				
2)				
3)				
4)				
5)				
6)				
7)				
8)				
9)				
10)				
Other)Agr.rhizobium	---	---	42.33	N/A

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 cont.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 Perf 1.D4C
 Unrestricted Access? : Yes
 Read Time : Aug 06 2025 23:24
 Parent File : Original Data Record
 Plate Number : 27
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number :
 Strain Name : cont chk 36
 Other :
 Data Input Mode : Reader
 590/750 Filters Used : 6 / 5
 Threshold Mode : Automatic: Color: 12/13
 Number +/- Reactions : 0 / 0 / 96
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	-2	0	-1	0	-3	0	-2	0	-2	0	0
B	2	-1	-0	-0	-1	-2	0	-2	-1	-1	0	3
C	1	-2	-2	-2	-3	-3	-2	-1	-1	-2	-2	0
D	1	-5	-2	-3	-3	-5	-3	-4	-3	-4	-2	1
E	-2	-5	-4	-4	-5	-5	-4	-5	-5	-4	-3	-1
F	0	-4	-5	-5	-1	-8	-5	-6	0	-5	-5	-2
G	-3	-10	-6	-7	-8	-10	-6	-8	-7	-6	-3	-0
H	-0	-1	-1	-1	-2	-2	-1	-1	-2	-1	-1	1

=> No ID Yet : Fewer Than 3 Positives <=

Species	PROB	SIM	DIST	TYPE
=>1)				
2)				
3)				
4)				
5)				
6)				
7)				
8)				
9)				
10)				
Other)Agr.rhizobium	---	---	42.33	N/A

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 cont.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 Perf 1.D4C
 Unrestricted Access? : Yes
 Read Time : Aug 06 2025 23:25
 Parent File : Original Data Record
 Plate Number : 28
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number :
 Strain Name : cont chk 36
 Other :
 Data Input Mode : Reader
 590/750 Filters Used : 6 / 5
 Threshold Mode : Automatic: Color: 12/13
 Number +/- Reactions : 0 / 0 / 96
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	-3	-2	-3	0	-1	0	-2	0	-2	1	0
B	-0	-1	-2	-2	0	1	-1	0	-1	0	0	-1
C	1	-2	-2	-2	0	-1	-2	-1	3	-3	-2	0
D	0	-4	-6	-6	-2	-2	-3	-5	-3	-3	-3	1
E	-3	-5	-4	-6	-3	-2	-3	-3	-5	-3	-3	-2
F	-1	-5	-6	-6	1	-5	-3	-4	1	-5	-3	0
G	-3	-7	-7	-9	-6	-4	-5	-7	-8	-7	-3	-2
H	-1	-2	-2	-2	0	0	1	-1	-1	0	-1	2

=> No ID Yet : Fewer Than 3 Positives <=

Species	PROB	SIM	DIST	TYPE
=>1)				
2)				
3)				
4)				
5)				
6)				
7)				
8)				
9)				
10)				
Other) Agr.rhizobium	---	---	42.33	N/A

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 cont.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 Perf 1.D4C
 Unrestricted Access? : Yes
 Read Time : Aug 06 2025 23:26
 Parent File : Original Data Record
 Plate Number : 29
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number :
 Strain Name : cont chk 36
 Other :
 Data Input Mode : Reader
 590/750 Filters Used : 6 / 5
 Threshold Mode : Automatic: Color: 12/12
 Number +/- Reactions : 0 / 0 / 96
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	-3	-3	-2	0	-2	-1	-3	0	-2	1	-0
B	2	-2	-2	-3	-1	0	-2	-1	-1	-1	-1	1
C	2	-2	-3	-3	-2	-2	-3	-2	-0	-2	-3	-1
D	1	-5	-5	-8	-3	-6	-6	-6	-3	-4	-5	-1
E	-2	-5	-6	-5	-6	-3	-5	-5	-5	-4	-4	-3
F	0	-6	-6	-7	1	-0	-5	-5	0	-4	-4	-6
G	-3	-11	-8	-11	-11	-10	-9	-10	-10	-10	-9	-5
H	-2	-4	-3	-3	-2	-2	-3	-3	-2	-2	-2	-1

=> No ID Yet : Fewer Than 3 Positives <=

Species	PROB	SIM	DIST	TYPE
=>1)				
2)				
3)				
4)				
5)				
6)				
7)				
8)				
9)				
10)				
Other) Agr.rhizobium	---	---	42.33	N/A

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 cont.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 Perf 1.D4C
 Unrestricted Access? : Yes
 Read Time : Aug 06 2025 23:28
 Parent File : Original Data Record
 Plate Number : 30
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number :
 Strain Name : cont chk 36
 Other :
 Data Input Mode : Reader
 590/750 Filters Used : 6 / 5
 Threshold Mode : Automatic: Color: 13/14
 Number +/- Reactions : 0 / 0 / 96
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	-3	-2	-2	0	-1	0	-2	0	-0	2	2
B	2	-0	-2	-3	1	-1	0	-1	0	1	0	4
C	4	-1	-2	-2	-0	0	-1	-1	0	-2	-1	1
D	1	-5	-4	-5	-1	-3	-5	-4	-2	-4	-3	-0
E	-2	-4	-4	-4	-3	-4	-4	-4	-4	-3	-3	-1
F	2	-4	-4	-4	1	-4	-4	-4	2	-3	-5	-2
G	-2	-11	-8	-3	-8	-8	-7	-8	-8	-9	-4	-2
H	-1	-2	-2	-1	0	-1	-1	-1	-1	-1	-1	1

=> No ID Yet : Fewer Than 3 Positives <=

Species	PROB	SIM	DIST	TYPE
=>1)				
2)				
3)				
4)				
5)				
6)				
7)				
8)				
9)				
10)				
Other)Agr.rhizobium	---	---	42.33	N/A

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 cont.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 Perf 1.D4C
 Unrestricted Access? : Yes
 Read Time : Aug 06 2025 23:28
 Parent File : Original Data Record
 Plate Number : 31
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number :
 Strain Name : cont chk 36
 Other :
 Data Input Mode : Reader
 590/750 Filters Used : 6 / 5
 Threshold Mode : Automatic: Color: 13/13
 Number +/- Reactions : 0 / 0 / 96
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	-1	-4	-2	0	-5	-7	-5	0	-1	3	2
B	1	1	-0	-0	-3	-3	-4	-3	0	0	2	3
C	1	-1	-2	-1	-4	-4	-4	-4	1	-2	-1	2
D	1	-2	-3	-5	-3	-7	-6	-7	-1	-4	-1	2
E	-2	-3	-3	-4	-7	-7	-7	-9	-3	-4	-2	-1
F	0	-5	-3	-4	-2	-8	-7	-6	1	-3	-5	-1
G	-3	-6	-7	-7	-10	-9	-9	-11	-8	-7	-2	1
H	0	-1	-2	-2	-4	-5	-4	-4	-1	0	1	4

=> No ID Yet : Fewer Than 3 Positives <=

Species	PROB	SIM	DIST	TYPE
=>1)				
2)				
3)				
4)				
5)				
6)				
7)				
8)				
9)				
10)				
Other)Agr.rhizobium	---	---	42.33	N/A

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 cont.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 Perf 1.D4C
 Unrestricted Access? : Yes
 Read Time : Aug 06 2025 23:29
 Parent File : Original Data Record
 Plate Number : 32
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number :
 Strain Name : cont chk 36
 Other :
 Data Input Mode : Reader
 590/750 Filters Used : 6 / 5
 Threshold Mode : Automatic: Color: 13/14
 Number +/- Reactions : 0 / 0 / 96
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	-3	-1	-3	0	-2	-1	-3	0	-2	1	0
B	1	-0	-1	-3	0	-2	-1	-1	0	0	0	5
C	1	-3	-3	-4	-1	-3	-1	-2	-1	-3	-2	2
D	0	-6	-5	-6	-2	-6	-5	-4	-3	-5	-3	-0
E	-4	-6	-5	-6	-6	-4	-6	-5	-5	-5	-4	-2
F	-1	-6	-6	-6	-2	-6	-4	-4	0	-4	-5	-2
G	-4	-14	-10	-10	-7	-10	-8	-10	-10	-9	-5	-3
H	-2	-3	-3	-3	-1	-2	-2	-1	-1	-1	-1	0

=> No ID Yet : Fewer Than 3 Positives <=

Species	PROB	SIM	DIST	TYPE
=>1)				
2)				
3)				
4)				
5)				
6)				
7)				
8)				
9)				
10)				
Other)Agr.rhizobium	---	---	42.33	N/A



QC Procedure	Document # QC1506 Revision: B Issue Date: 07/17/2019 Effective Date: 07/22/2019
EcoPlate	

Section 3: Performance Test:

Setup By/Date: AM 03/13/25

Run No: 1 2 3

#	Biolog No.	Organism Name	NaThio	EcoPlate™ Performance	Result	Check to Repeat
1	948	Burkholderia cepacia	N/A	ID - BUR CEP 0.540 G ₂ ↑ H _{3,7,11} ↓	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/>
2	997	Pseudomonas aeruginosa	N/A	ID - PSD AER 0.791	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/>
3	1185	Ochrobactrum anthropi	N/A	ID - OCH ANT 0.946	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/>
4	1580	CDC II H	N/A	ID - CDC II H 0.843 D _{4,8} ↓ G ₃ ↓	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/>
5	1581	Flavobacterium mizutaii-like (CDC II I)	N/A	NO ID - CDC II I 0.359 E _{2,5,6,10} ↓ B _{4,8,12} ↑ D ₁ ↑ F ₅ ↓ G _{3,7,11} ↓	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/>
6	3822	Pseudomonas pseudoalcaligenes	N/A	ID - PSD PSE 0.726 H _{3,7,11,12} ↑	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/>
7	8614	Agrobacterium rhizobium	N/A	NO ID - AGR RHI 0.448 A _{4,8,12} ↑ C _{4,5,9} ↓	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/>
8	9928	Providencia stuartii	3 drops	ID - PRV 3 TV 1.00	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/>
9	15105	Yersinia enterocolitica	3 drops	ID - YER ENT 0.588 F _{1,5,9} ↓ G _{1,5,9} ↑	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/>

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3812111 Perf.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\ECO 3903111 PERF.D4C
 Unrestricted Access? : Yes
 Read Time : Mar 13 2025 10:56
 Parent File : Original Data Record
 Plate Number : 1
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number : bur cep
 Strain Name : 948
 Other : am 03/13/2025
 Data Input Mode : Reader
 590/750 Filters Used : 6 / 5
 Threshold Mode : Automatic: Color: 129/178
 Number +/- Reactions : 60 / 5 / 31
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	-15	< 226>	< 988>	0	-5	{ 164}	< 695>	0	-5	{ 150}	< 871>
B	< 816>	< 435>	< 755>	< 852>	<1062>	< 412>	< 671>	< 932>	< 953>	< 408>	< 735>	<1015>
C	< 337>	-11	< 668>	< 616>	< 392>	3	< 638>	< 762>	< 377>	-11	< 601>	< 723>
D	< 561>	< 720>	<1009>	< 608>	< 306>	< 701>	<1090>	< 729>	< 363>	< 760>	<1033>	< 618>
E	-12	< 512>	< 775-	< 474>	6	< 592>	< 798>	< 591>	0	< 706>	< 850-	{ 162}
F	-5	< 229>	8	63	-6	< 226>	10	91	-2	< 213>	-10	-13
G	-13	95+	< 451>	< 532>	9	{ 143}	< 425>	< 541>	9	{ 129}	< 465>	< 466>
H	-28	< 179>	29+	< 548>	-6	< 193>	31+	< 648>	-18	< 217>	25+	< 391>

=> Species ID: Bur.cepacia <=

Species	PROB	SIM	DIST	TYPE
=>1) Bur.cepacia	100	0.540	7.27	N/A
2) Psd.aeruginosa	0	0.000	28.04	N/A
3) Agr.rhizobium	0	0.000	34.33	N/A
4) Och.anthropi	0	0.000	34.80	N/A
5) Prv.stuartii	0	0.000	35.31	N/A
6) Psd.pseudoalcaligenes	0	0.000	43.00	N/A
7) CDC II H	0	0.000	45.00	N/A
8) Yer.enterocolitica	0	0.000	46.00	N/A
9) Flv.mizutaii-like(CDC II I)	0	0.000	50.30	N/A
10)	---	-1.000	-1.00	---
Other)				

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3812111 Perf.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\ECO 3903111 PERF.D4C
 Unrestricted Access? : Yes
 Read Time : Mar 13 2025 10:57
 Parent File : Original Data Record
 Plate Number : 2
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number : pse aer
 Strain Name : 997
 Other : am 03/13/2025
 Data Input Mode : Reader
 590/750 Filters Used : 6 / 5
 Threshold Mode : Automatic: Color: 65/114
 Number +/- Reactions : 40 / 14 / 42
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	-5	2	< 382>	0	-14	-12	< 367>	0	-1	6	< 322>
B	< 786> { 92}		32	<1080>	< 781> { 82}		-13	<1091>	< 768> { 82}		25	<1116>
C	< 366>	28	-43	{ 96}	< 235>	26	-47	{ 73}	< 208>	24	-51	21
D	< 334>	< 660>	< 601>	< 377>	< 250>	< 644>	< 586>	< 359>	< 225>	< 639>	< 635>	< 246>
E	9	< 639>	<1188-	< 134>	30	< 595>	<1180-	{ 95}	56	< 626>	<1196-	39
F	{ 80}	38	<1193>	{ 83}	{ 71}	38	<1188>	54	{ 100}	44	<1156>	8
G	31	23	{ 89}	17	34	34	{ 83}	8	55	52	{ 97}	-7
H	19	{ 70}	< 135>	< 844>	13	45	< 118>	< 768>	27	63	< 122>	< 611>

=> Species ID: Psd.aeruginosa <=

Species	PROB	SIM	DIST	TYPE
=>1) Psd.aeruginosa	100	0.791	3.14	N/A
2) Bur.cepacia	0	0.000	12.78	N/A
3) Psd.pseudoalcaligenes	0	0.000	13.00	N/A
4) Prv.stuartii	0	0.000	24.00	N/A
5) Agr.rhizobium	0	0.000	26.80	N/A
6) Och.anthropi	0	0.000	27.00	N/A
7) CDC II H	0	0.000	29.00	N/A
8) Flv.mizutaii-like(CDC II I)	0	0.000	38.16	N/A
9) Yer.enterocolitica	0	0.000	40.00	N/A
10)	---	-1.000	-1.00	---
Other)				

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3812111 Perf.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\ECO 3903111 PERF.D4C
 Unrestricted Access? : Yes
 Read Time : Mar 13 2025 11:03
 Parent File : Original Data Record
 Plate Number : 3
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number : och ant
 Strain Name : 1185
 Other : am 03/13/2025
 Data Input Mode : Reader
 590/750 Filters Used : 6 / 5
 Threshold Mode : Automatic: Color: 76/138
 Number +/- Reactions : 52 / 7 / 37
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	8	< 320>	< 194>	0	-14	< 326>	{ 116}	0	56	< 353>	< 179>
B	< 197>	< 403>	26	< 353>	< 264>	< 400>	12	< 223>	< 278>	< 445>	30	< 328>
C	74	< 570>	-128	-3	16	< 546>	-146	-57	{ 86}	< 592>	-98	33
D	{ 123}	< 264>	-33	< 398>	< 167>	< 260>	-33	< 291>	< 179>	< 319>	1	< 378>
E	14	< 302>	< 318>	< 275>	-22	< 335>	< 300>	< 192>	54	< 355>	< 297>	< 176>
F	< 145>	< 400>	64	< 463>	< 158>	< 409>	7	< 351>	< 200>	< 456>	{ 103}	< 405>
G	< 344>	53	< 192>	-5	< 394>	34	< 170>	-40	< 435>	{ 93}	< 150>	2
H	55	66	< 387>	39	57	60	< 363>	-17	{ 84}	{ 92}	< 348>	62

=> Species ID: Och.anthropi <=

Species	PROB	SIM	DIST	TYPE
=>1) Och.anthropi	100	0.946	0.81	N/A
2) Agr.rhizobium	0	0.000	19.56	N/A
3) Psd.aeruginosa	0	0.000	28.95	N/A
4) CDC II H	0	0.000	30.00	N/A
5) Bur.cepacia	0	0.000	31.76	N/A
6) Psd.pseudoalcaligenes	0	0.000	33.00	N/A
7) Prv.stuartii	0	0.000	34.10	N/A
8) Flv.mizutaii-like(CDC II I)	0	0.000	35.58	N/A
9) Yer.enterocolitica	0	0.000	40.44	N/A
10)	---	-1.000	-1.00	---
Other)				

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3812111 Perf.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\ECO 3903111 PERF.D4C
 Unrestricted Access? : Yes
 Read Time : Mar 13 2025 11:04
 Parent File : Original Data Record
 Plate Number : 4
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number : cdc ii h
 Strain Name : 1580
 Other : am 03/13/2025
 Data Input Mode : Reader
 590/750 Filters Used : 6 / 5
 Threshold Mode : Automatic: Color: 60/134
 Number +/- Reactions : 19 / 14 / 63
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	-6	-6	-34	0	9	-9	4	0	8	10	-25
B	< 232>	33	26	{ 97}	< 208>	50	15	{ 77}	{ 113}	39	15	9
C	< 506>	22	4	19	< 661>	25	3	21	< 702>	29	-5	-1
D	< 296>	12	10	< 252-	< 443>	16	8	< 195-	< 417>	19	-8	{ 63}
E	< 762>	33	24	< 460>	<1032>	32	16	< 354>	<1039>	28	15	{ 120}
F	{ 73}	49	14	< 900>	{ 99}	59	17	< 835>	{ 83}	39	5	< 848>
G	34	53	< 182-	44	{ 74}	{ 64}	{ 116}	30	{ 83}	{ 97}	{ 111}	47
H	21	33	18	8	24	32	-9	6	41	33	-12	-3

=> Species ID: CDC II H <=

Species	PROB	SIM	DIST	TYPE
=>1) CDC II H	100	0.843	2.34	N/A
2) Flv.mizutaii-like(CDC II I)	0	0.000	14.86	N/A
3) Psd.aeruginosa	0	0.000	17.70	N/A
4) Psd.pseudoalcaligenes	0	0.000	19.00	N/A
5) Bur.cepacia	0	0.000	20.09	N/A
6) Prv.stuartii	0	0.000	28.48	N/A
7) Yer.enterocolitica	0	0.000	32.20	N/A
8) Och.anthropi	0	0.000	32.72	N/A
9) Agr.rhizobium	0	0.000	36.81	N/A
10)	---	-1.000	-1.00	---
Other)				

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3812111 Perf.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\ECO 3903111 PERF.D4C
 Unrestricted Access? : Yes
 Read Time : Mar 13 2025 11:06
 Parent File : Original Data Record
 Plate Number : 5
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number : cdc ii i
 Strain Name : 1581
 Other : am 03/13/2025
 Data Input Mode : Reader
 590/750 Filters Used : 6 / 5
 Threshold Mode : Automatic: Color: 75/158
 Number +/- Reactions : 31 / 21 / 44
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	< 419>	21	-56	0	< 351>	3	53	0	< 411>	-8	2
B	{ 99}	< 190-	30	-5+	< 185-	< 224-	60	4+	{ 141}	< 194-	21	-32+
C	{ 98}	53	-108	68	{ 129}	30	-98	{ 91}	{ 136}	14	-128	-41
D	33+	57	6	< 471>	{ 100}	28	4	< 375>	24	59	-9	< 244>
E	< 734>	< 857>	12	< 347>	< 871>	< 888>	70	< 294>	< 788>	< 814>	26	< 202>
F	{ 138}	55	72	< 410>	< 243-	65	{ 91}	< 258>	{ 134}	35	44	{ 121}
G	< 714>	61	< 314-	{ 92}	< 949>	{ 82}	< 289-	{ 106}	< 920>	{ 92}	< 227-	-9
H	< 761>	{ 130}	{ 110}	29	< 890>	{ 137}	{ 136}	67	< 713>	{ 78}	{ 94}	-2

=> No ID <=

Species	PROB	SIM	DIST	TYPE
=>1) Flv.mizutaii-like(CDC II I)	---	0.359	10.87	N/A
2) CDC II H	---	0.000	15.56	N/A
3) Agr.rhizobium	---	0.000	20.19	N/A
4) Yer.enterocolitica	---	0.000	26.00	N/A
5) Prv.stuartii	---	0.000	29.71	N/A
6) Och.anthropi	---	0.000	30.09	N/A
7) Bur.cepacia	---	0.000	30.72	N/A
8) Psd.pseudoalcaligenes	---	0.000	33.00	N/A
9) Psd.aeruginosa	---	0.000	35.98	N/A
10)	---	-1.000	-1.00	---
Other)				

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3812111 Perf.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\ECO 3903111 PERF.D4C
 Unrestricted Access? : Yes
 Read Time : Mar 13 2025 11:15
 Parent File : Original Data Record
 Plate Number : 6
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number : pse pse
 Strain Name : 3822
 Other : am 03/13/2025
 Data Input Mode : Reader
 590/750 Filters Used : 6 / 5
 Threshold Mode : Automatic: Color: 55/119
 Number +/- Reactions : 21 / 11 / 64
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	25	14	16	0	-13	-18	27	0	-18	-12	-38
B	< 175>	-37	-37	<1101>	< 247>	-47	-57	<1041>	< 279>	-46	-60	< 646>
C	< 183>	-39	-147	28	< 175>	-25	-166	22	{ 74}	-16	-169	-34
D	< 170>	16	-43	< 800>	< 138>	-1	-60	< 814>	{ 113}	-10	-55	< 545>
E	15	43	< 331>	< 283>	27	22	< 319>	< 231>	8	7	< 262>	{ 88}
F	{ 94}	30	< 248>	{ 71}	{ 69}	-14	< 158>	51	-152	13	< 196>	-5
G	39	49	{ 105}	-50	37	25	{ 84}	-69	-21	17	{ 83}	-97
H	-49	26	53+	{ 79}	-43	-11	33+	{ 56}	-195	13	30+	41+

=> Species ID: Psd.pseudoalcaligenes <=

Species	PROB	SIM	DIST	TYPE
=>1) Psd.pseudoalcaligenes	100	0.726	4.15	N/A
2) Psd.aeruginosa	0	0.000	8.31	N/A
3) CDC II H	0	0.000	14.88	N/A
4) Bur.cepacia	0	0.000	19.01	N/A
5) Flv.mizutaii-like(CDC II I)	0	0.000	26.53	N/A
6) Och.anthropi	0	0.000	31.72	N/A
7) Agr.rhizobium	0	0.000	32.52	N/A
8) Prv.stuartii	0	0.000	33.17	N/A
9) Yer.enterocolitica	0	0.000	33.42	N/A
10)	---	-1.000	-1.00	---
Other)				

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3812111 Perf.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\ECO 3903111 PERF.D4C
 Unrestricted Access? : Yes
 Read Time : Mar 13 2025 11:21
 Parent File : Original Data Record
 Plate Number : 7
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number : agr rhi
 Strain Name : 8614
 Other : am 03/13/2025
 Data Input Mode : Reader
 590/750 Filters Used : 6 / 5
 Threshold Mode : Automatic: Color: 75/144
 Number +/- Reactions : 47 / 10 / 39
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	< 634>	< 259>	52+	0	< 670>	< 260>	62+	0	< 581>	< 228>	44+
B	< 308>	< 600>	{ 83}	< 727>	< 285>	< 620>	{ 80}	< 742>	< 282>	< 615>	70	< 610>
C	< 202-	-2	-95	2	< 169-	3	-83	4	< 185-	-1	-95	-16
D	< 204>	< 806>	57	< 513>	< 231>	< 746>	73	< 489>	< 229>	< 762>	{ 115}	< 398>
E	32	< 302>	28+	< 377>	19	< 243>	41+	< 395>	25	< 305>	15+	< 218>
F	{ 112}	{ 92}	9	62	{ 100}	{ 86}	14	47	{ 101}	{ 88}	5	23
G	< 566>	< 403>	< 158>	31	< 638>	< 378>	< 218>	42	< 632>	< 390>	{ 132}	17
H	< 336>	21	< 199>	30	< 370>	23	< 195>	14	< 336>	13	< 189>	1

=> No ID <=

Species	PROB	SIM	DIST	TYPE
=>1) Agr.rhizobium	---	0.448	9.00	N/A
2) Flv.mizutaii-like(CDC II I)	---	0.000	21.18	N/A
3) Och.anthropi	---	0.000	24.00	N/A
4) Bur.cepacia	---	0.000	26.01	N/A
5) Psd.aeruginosa	---	0.000	26.32	N/A
6) Yer.enterocolitica	---	0.000	27.00	N/A
7) CDC II H	---	0.000	31.00	N/A
8) Prv.stuartii	---	0.000	31.06	N/A
9) Psd.pseudoalcaligenes	---	0.000	33.00	N/A
10)	---	-1.000	-1.00	---
Other)				

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3812111 Perf.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 Perf 1.D4C
 Unrestricted Access? : Yes
 Read Time : Aug 06 2025 21:52
 Parent File : Original Data Record
 Plate Number : 8
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number : pro stu
 Strain Name : 9928
 Other : am 03/13/2025
 Data Input Mode : Reader
 590/750 Filters Used : 6 / 5
 Threshold Mode : Automatic: Color: 57/158
 Number +/- Reactions : 26 / 16 / 54
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	-5	0	< 183>	0	3	-1	< 178>	0	-6	-7	{ 133}
B	{ 90}	< 207>	{ 83}	< 405>	{ 154}	< 235>	{ 93}	< 406>	{ 130}	< 210>	{ 88}	< 364>
C	25	-6	1	{ 129}	23	-10	-4	{ 143}	26	-16	-15	{ 138}
D	{ 75}	3	2	< 503>	{ 73}	1	-0	< 539>	{ 138}	-2	-13	< 682>
E	-2	< 509>	-4	19	-1	< 665>	1	25	-14	< 620>	-7	5
F	{ 98}	-2	3	< 200>	{ 102}	-6	-2	< 282>	{ 96}	-2	-8	< 194>
G	18	< 243>	14	14	24	< 250>	21	6	18	< 259>	16	6
H	3	< 267>	< 207>	-1	1	< 253>	< 206>	0	-10	< 235>	< 226>	-3

=> Species ID: Prv.stuartii <=

Species	PROB	SIM	DIST	TYPE
=>1) Prv.stuartii	100	1.000	0.00	N/A
2) Bur.cepacia	0	0.000	11.70	N/A
3) Yer.enterocolitica	0	0.000	18.00	N/A
4) CDC II H	0	0.000	25.19	N/A
5) Psd.aeruginosa	0	0.000	25.81	N/A
6) Agr.rhizobium	0	0.000	27.00	N/A
7) Och.anthropi	0	0.000	27.72	N/A
8) Flv.mizutaii-like(CDC II I)	0	0.000	28.46	N/A
9) Psd.pseudoalcaligenes	0	0.000	35.00	N/A
10)	---	-1.000	-1.00	---
Other)				

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3812111 Perf.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\ECO 3903111 PERF.D4C
 Unrestricted Access? : Yes
 Read Time : Mar 13 2025 11:28
 Parent File : Original Data Record
 Plate Number : 9
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number : yer ent
 Strain Name : 15105
 Other : am 03/13/2025
 Data Input Mode : Reader
 590/750 Filters Used : 6 / 5
 Threshold Mode : Automatic: Color: 20/38
 Number +/- Reactions : 30 / 2 / 64
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	< 89>	-43	-40	0	< 102>	13	0	0	< 123>	-8	-23
B	< 177>	-26	< 140>	< 149>	< 196>	10	< 164>	< 167>	< 211>	3	< 157>	< 163>
C	11	-85	-112	-40	{ 27}	-53	-86	12	{ 30}	-77	-99	-27
D	-59	< 178>	-64	< 135>	-25	< 180>	-46	< 172>	-47	< 180>	-73	< 144>
E	-6	< 183>	-56	-40	-13	< 221>	-28	-17	3	< 203>	-36	-14
F	< 106-	-66	-63	-45	< 109-	-28	-32	-17	< 122-	-49	-42	-38
G	-59+	< 161>	-18	-75	-30+	< 175>	4	-41	-39+	< 181>	-18	-58
H	-31	< 196>	-61	-71	-4	< 152>	-24	-38	-17	< 154>	-52	-50

=> Species ID: Yer. enterocolitica <=

Species	PROB	SIM	DIST	TYPE
=>1) Yer. enterocolitica	100	0.588	6.42	N/A
2) Bur. cepacia	0	0.000	18.27	N/A
3) Agr. rhizobium	0	0.000	28.70	N/A
4) Prv. stuartii	0	0.000	28.98	N/A
5) Psd. aeruginosa	0	0.000	32.31	N/A
6) Flv. mizutaii-like(CDC II I)	0	0.000	34.36	N/A
7) CDC II H	0	0.000	35.04	N/A
8) Psd. pseudoalcaligenes	0	0.000	40.00	N/A
9) Och. anthropi	0	0.000	49.12	N/A
10)	---	-1.000	-1.00	---
Other)				



QC Procedure
EcoPlate

Document # QC1506
Revision: B
Issue Date: 07/17/2019
Effective Date: 07/22/2019

Section 3: Performance Test:

Setup By/Date: _____

Run No: 1 2 3

#	Biolog No.	Organism Name	NaThio	EcoPlate™ Performance	Result	Check to Repeat
1	948	Burkholderia cepacia	N/A	NO ID - BURE CEP 0.190 H _{3,7,11b}	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/>
2	997	Pseudomonas aeruginosa	N/A	PASSED RUN 1	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/>
3	1185	Ochrobactrum anthropi	N/A	PASSED RUN 1	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/>
4	1580	CDC II H	N/A	ID - CDC II H 0.841 Direct Sub	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/>
5	1581	Flavobacterium mizutaii-like (CDC II I)	N/A	ID - CDC II I 0.800 BURET BURET BURET BURET BURET	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/>
6	3822	Pseudomonas pseudoalcaligenes	N/A	NO ID - PSD AER 0.284 (2nd) H _{3,7,11,12}	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/>
7	8614	Agrobacterium rhizobium	N/A	ID - AGR RHIZ 0.531 BURET BURET BURET BURET BURET	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/>
8	9928	Providencia stuartii	3 drops	PASSED RUN 1	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/>
9	15105	Yersinia enterocolitica	3 drops	ID - YER ENT 0.838 F _{15,9b} C _{1,5,9}	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input checked="" type="checkbox"/>

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 perf 2x.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 Perf 2x.D4C
 Unrestricted Access? : Yes
 Read Time : Aug 08 2025 21:34
 Parent File : Original Data Record
 Plate Number : 1
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number : 948
 Strain Name : Bur cep
 Other :
 Data Input Mode : Reader
 590/750 Filters Used : 6 / 5
 Threshold Mode : Automatic: Color: 67/149
 Number +/- Reactions : 38 / 7 / 51
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	26	46	{ 131}	0	-18	-15	< 269>	0	-1	11	{ 127}
B	< 203>	< 329>	< 577>	< 369>	< 251>	< 261>	< 447>	< 338>	< 242>	< 314>	< 528>	< 503>
C	< 331>	21	28	< 212>	< 273>	-21	8	< 175>	< 378>	-12	13	{ 104}
D	< 639>	< 458>	< 243>	< 448>	< 621>	< 414>	< 179>	< 394>	< 608>	< 328>	< 264>	< 346>
E	-11	< 362>	< 372-	{ 89}	-36	< 403>	< 332-	42	4	< 495>	< 292-	2
F	19	46	5	29	-9	13	-15	3	-3	9	-19	10
G	0	47	{ 93}	< 196>	-29	24	-3186	< 172>	-15	22	{ 100}	{ 134}
H	8	52	8+	33	-33	31	-14+	26	-19	46	-3+	10

=> No ID <=

Species	PROB	SIM	DIST	TYPE
=>1) Bur.cepacia	---	0.490	8.18	N/A
2) Psd.aeruginosa	---	0.000	20.83	N/A
3) Prv.stuartii	---	0.000	26.00	N/A
4) Agr.rhizobium	---	0.000	30.38	N/A
5) CDC II H	---	0.000	31.00	N/A
6) Yer.enterocolitica	---	0.000	32.00	N/A
7) Och.anthropi	---	0.000	34.00	N/A
8) Psd.pseudoalcaligenes	---	0.000	35.00	N/A
9) Flv.mizutaii-like(CDC II I)	---	0.000	37.94	N/A
10)	---	-1.000	-1.00	---
Other)				

```

Program : MicroLog3 4.20.05
Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 perf 2x.W4C
Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 Perf 2x.D4C
Unrestricted Access? : Yes
Read Time : Aug 08 2025 21:36
Parent File : Original Data Record
Plate Number : 2
Read Hour : 24
Sample Number : Plate Type: ECO
Strain Type : NOT APPLICABLE
Strain Number : 1580
Strain Name : CDC II H
Other :
Data Input Mode : Reader
590/750 Filters Used : 6 / 5
Threshold Mode : Automatic: Color: 25/82
Number +/- Reactions : 10 / 19 / 67
Database To Search : User
Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

```

```

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
      (X): borderline; -X: less than A1 well

```

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	11	-6	5	0	6	-27	-3	0	9	-12	-5
B	22	{ 70}	7	11	4	{ 51}	1	-13	4	{ 47}	6	-10
C	< 271>	3	-46	15	< 289>	-11	-60	6	< 325>	-6	-50	-9
D	< 103>	5	-15	7	< 153>	-23	-29	-3	< 97>	-11	-23	0
E	-0+	1	-9	20	{ 34}	-11	-28	7	{ 41}	-12	-14	-1
F	{ 68}	-2	-3	< 306>	{ 60}	-20	-22	< 275>	{ 63}	-6	-18	< 236>
G	{ 42}	< 93-	{ 63}	19	{ 64}	{ 70}	{ 46}	14	{ 53}	{ 76}	{ 38}	12
H	2	{ 48}	4	-2	-9	{ 29}	-16	-20	3	{ 36}	-7	-18

=> Species ID: CDC II H <=

Species	PROB	SIM	DIST	TYPE
=>1) CDC II H	100	0.841	2.38	N/A
2) Prv.stuartii	0	0.000	19.80	N/A
3) Flv.mizutaii-like(CDC II I)	0	0.000	21.04	N/A
4) Psd.aeruginosa	0	0.000	21.39	N/A
5) Bur.cepacia	0	0.000	24.57	N/A
6) Psd.pseudoalcaligenes	0	0.000	28.00	N/A
7) Yer.enterocolitica	0	0.000	29.00	N/A
8) Och.anthropi	0	0.000	37.72	N/A
9) Agr.rhizobium	0	0.000	39.52	N/A
10)	---	-1.000	-1.00	---
Other)				

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 perf 2x.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 Perf 2x.D4C
 Unrestricted Access? : Yes
 Read Time : Aug 08 2025 21:53
 Parent File : Original Data Record
 Plate Number : 3
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number : 1581
 Strain Name : CDC II I
 Other :
 Data Input Mode : Reader
 590/750 Filters Used : 6 / 5
 Threshold Mode : Automatic: Color: 34/115
 Number +/- Reactions : 14 / 23 / 59
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	< 236>	5	{ 42}	0	< 292>	-21	23	0	< 218>	1	-5
B	21	{ 99}	26	-40+	24	{ 70}	5	-68+	18	{ 69}	14	-32+
C	-59	-5	-139	6	-86	-32	-146	-1	-76	-39	-147	-41
D	-45	4	-40	{ 89}	-72	-10	-57	{ 49}	-70	-2	-50	{ 57}
E	{ 99}	< 529>	-7	{ 71}	< 166>	< 486>	-19	{ 38}	< 116>	< 537>	-9	{ 54}
F	{ 51}	-25	-1	{ 37}	{ 46}	-32	-14	{ 43}	{ 56}	-10	-20	{ 63}
G	< 534>	14	{ 42}	-5	< 540>	22	{ 46}	-20	< 577>	20	{ 58}	-15
H	< 315>	{ 67}	10	-14	< 470>	{ 79}	-11	-18	< 481>	{ 62}	11	-31

=> Species ID: Flv.mizutaii-like(CDC II I) <=>

Species	PROB	SIM	DIST	TYPE
=>1) Flv.mizutaii-like(CDC II I)	100	0.800	3.00	N/A
2) CDC II H	0	0.000	18.00	N/A
3) Yer.enterocolitica	0	0.000	20.00	N/A
4) Agr.rhizobium	0	0.000	23.25	N/A
5) Bur.cepacia	0	0.000	25.00	N/A
6) Prv.stuartii	0	0.000	26.02	N/A
7) Psd.aeruginosa	0	0.000	26.18	N/A
8) Och.anthropi	0	0.000	34.72	N/A
9) Psd.pseudoalcaligenes	0	0.000	38.00	N/A
10)	---	-1.000	-1.00	---
Other)				

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 perf 2x.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 Perf 2x.D4C
 Unrestricted Access? : Yes
 Read Time : Aug 08 2025 21:56
 Parent File : Original Data Record
 Plate Number : 4
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number : 3822
 Strain Name : Pse pse
 Other :
 Data Input Mode : Reader
 590/750 Filters Used : 6 / 5
 Threshold Mode : Automatic: Color: 67/70
 Number +/- Reactions : 20 / 0 / 76
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	-9	-7	-11	0	-20	-20	-15	0	-3	-18	-27
B	26	0	-5	< 606>	< 87>	9	-9	< 595>	< 106>	-6	-14	< 404>
C	< 243>	-10	-77	10	< 246>	-19	-84	2	< 234>	-16	-85	-5
D	< 193>	4	-64+	< 510>	< 174>	-8	-72+	< 481>	< 173>	-8	-70+	< 483>
E	3	4	< 265-	48	-13	-9	< 269-	33	-5	-6	< 248-	-2
F	31	-21	< 146>	4	31	-20	< 130>	-11	22	-19	< 122>	-17
G	-6	-14	60+	-33	-2	-13	37+	-26	-16	-18	3+	-25
H	21	28	16	50+	-10	51	5	34+	-8	3	-1	31+

=> No ID <=

Species	PROB	SIM	DIST	TYPE
=>1) Psd.aeruginosa	---	0.284	12.39	N/A
2) Psd.pseudoalcaligenes	---	0.011	13.46	N/A
3) Bur.cepacia	---	0.000	22.24	N/A
4) CDC II H	---	0.000	22.31	N/A
5) Flv.mizutaii-like(CDC II I)	---	0.000	30.04	N/A
6) Prv.stuartii	---	0.000	32.43	N/A
7) Yer.enterocolitica	---	0.000	34.42	N/A
8) Agr.rhizobium	---	0.000	37.52	N/A
9) Och.anthropi	---	0.000	40.72	N/A
10)	---	-1.000	-1.00	---
Other)				

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 perf 2x.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 Perf 2x.D4C
 Unrestricted Access? : Yes
 Read Time : Aug 08 2025 21:59
 Parent File : Original Data Record
 Plate Number : 5
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number : 8614
 Strain Name : Agr rhi
 Other :
 Data Input Mode : Reader
 590/750 Filters Used : 6 / 5
 Threshold Mode : Automatic: Color: 54/88
 Number +/- Reactions : 45 / 1 / 50
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	< 613>	< 170>	{ 61}	0	< 545>	< 105>	-3+	0	< 547>	< 137>	16+
B	< 153>	< 586>	34	< 755>	< 120>	< 596>	5	< 617>	< 124>	< 526>	16	< 610>
C	< 168-	4	-56	6	< 134-	-35	-98	-35	< 150-	-15	-78	-16
D	< 219>	< 661>	2	< 258>	< 185>	< 624>	-47	< 186>	< 217>	< 608>	-30	< 252>
E	6	< 178>	22+	< 204>	-35	< 140>	-29+	< 154>	-16	< 161>	4+	< 110>
F	38	22	1	-6	4	-22	-36	-35	23	-0	-17	-4
G	< 576>	< 173>	7	35	< 567>	< 136>	-22	-7	< 582>	< 163>	-5	40
H	< 340>	26	< 228>	6	< 303>	-13	< 178>	-29	< 329>	12	< 222>	-18

=> Species ID: Agr.rhizobium <=

Species	PROB	SIM	DIST	TYPE
=>1) Agr.rhizobium	100	0.531	7.42	N/A
2) Flv.mizutaii-like(CDC II I)	0	0.000	20.85	N/A
3) Yer.enterocolitica	0	0.000	27.00	N/A
4) Prv.stuartii	0	0.000	28.23	N/A
5) Och.anthropi	0	0.000	29.00	N/A
6) Psd.aeruginosa	0	0.000	29.37	N/A
7) Bur.cepacia	0	0.000	30.85	N/A
8) CDC II H	0	0.000	37.00	N/A
9) Psd.pseudoalcaligenes	0	0.000	39.00	N/A
10)	---	-1.000	-1.00	---
Other)				

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 perf 2x.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 Perf 2x.D4C
 Unrestricted Access? : Yes
 Read Time : Aug 08 2025 22:01
 Parent File : Original Data Record
 Plate Number : 6
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number : 15105
 Strain Name : Yer ent
 Other :
 Data Input Mode : Reader
 590/750 Filters Used : 6 / 5
 Threshold Mode : Automatic: Color: 16/53
 Number +/- Reactions : 21 / 10 / 65
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	< 106>	-14	-11	0	< 76>	-26	-19	0	< 97>	-20	-11
B	< 55>	1	{ 29}	< 104>	< 94>	-7	{ 27}	< 86>	< 90>	11	{ 30}	< 128>
C	-28	-35	-62	-3	-36	-40	-76	-16	-30	-33	-65	6
D	-36	< 171>	-40	{ 31}	-45	< 158>	-50	{ 39}	-44	< 170>	-47	{ 30}
E	-1	< 192>	-15	-13	-12	< 171>	-18	-30	-10	< 177>	-21	-19
F	{ 42}	-29	-19	-14	{ 45}	-21	-32	-25	{ 36}	-30	-25	-15
G	{ 22}	< 144>	9	-32	7+	< 138>	-12	-48	7+	< 141>	-11	-39
H	3	< 208>	-25	-13	-16	< 188>	-40	-24	-12	< 199>	-36	-24

=> Species ID: Yer.enterocolitica <=

Species	PROB	SIM	DIST	TYPE
=>1) Yer.enterocolitica	100	0.838	2.42	N/A
2) Bur.cepacia	0	0.000	11.53	N/A
3) Psd.aeruginosa	0	0.000	22.10	N/A
4) Prv.stuartii	0	0.000	22.98	N/A
5) Agr.rhizobium	0	0.000	23.33	N/A
6) Flv.mizutaii-like(CDC II I)	0	0.000	26.00	N/A
7) CDC II H	0	0.000	32.01	N/A
8) Psd.pseudoalcaligenes	0	0.000	39.00	N/A
9) Och.anthropi	0	0.000	44.00	N/A
10)	---	-1.000	-1.00	---
Other)				



QC Procedure
EcoPlate

Document # QC1506
Revision: B
Issue Date: 07/17/2019
Effective Date: 07/22/2019

Section 3: Performance Test:

Setup By/Date: _____

Run No: 1 2 3

#	Biolog No.	Organism Name	NaThio	EcoPlate™ Performance	Result	Check to Repeat
1	948	Burkholderia cepacia	N/A	ID - BUR CEP 0.624 H3,7,11b	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/>
2	997	Pseudomonas aeruginosa	N/A	PASSED RUN 1	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/>
3	1185	Ochrobactrum anthropi	N/A	PASSED RUN 1	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/>
4	1580	CDC II H	N/A	PASSED RUN 2	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/>
5	1581	Flavobacterium mizutaii-like (CDC II I)	N/A	No ID - CDC II I 0.368 B4,8,12b	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/>
6	3822	Pseudomonas pseudoalcaligenes	N/A	ID - PSD PSE 1.00 H3,7,11,12	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/>
7	8614	Agrobacterium rhizobium	N/A	ID - AGR RH1 0.613 B12 C1,5,9b	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/>
8	9928	Providencia stuartii	3 drops	PASSED RUN 1	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/>
9	15105	Yersinia enterocolitica	3 drops	ID - YER ENT 0.673 G5,9	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/>

3/21
MANUAL

- 1 ID BUR CEP 0.525 H3,7,11b
- 5 ID CDC II I 0.659 B4,8,12b
- 7 ID AGR RH1 0.589 C1,5,9b
- 9 ID YER ENT 0.933 G5,9 OK ✓

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RUN 2: ID AGR RH1 0.800 C1,5,9b OK ✓

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 perf 2x.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 Perf 3x.D4C
 Unrestricted Access? : Yes
 Read Time : Aug 10 2025 21:41
 Parent File : Original Data Record
 Plate Number : 1
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number : 948
 Strain Name : Bur cep
 Other :
 Data Input Mode : Reader
 590/750 Filters Used : 6 / 5
 Threshold Mode : Automatic: Color: 89/174
 Number +/- Reactions : 55 / 10 / 31
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	11	< 192>	< 236>	0	1	{ 143}	< 754>	0	3	{ 157}	< 503>
B	< 539>	< 474>	< 580>	< 810>	< 632>	< 511>	< 661>	< 825>	< 649>	< 516>	< 622>	< 618>
C	< 366>	14	< 371>	< 675>	< 378>	11	< 361>	< 709>	< 379>	25	< 397>	< 603>
D	< 411>	< 464>	< 630>	< 598>	< 217>	< 469>	< 686>	< 542>	< 221>	< 512>	< 657>	< 577>
E	-4	< 563>	< 855-	< 333>	-7	< 616>	< 920>	< 312>	-8	< 582>	< 874-	55
F	-0	{ 148}	23	75	-2	{ 150}	19	77	-1	{ 106}	17	16
G	-9	{ 127}	< 410>	< 409>	-2	{ 161}	< 397>	< 436>	0	< 193>	< 434>	< 365>
H	-8	{ 89}	24+	< 380>	0	{ 95}	24+	< 439>	-7	{ 108}	21+	< 313>

=> Species ID: Bur.cepacia <=

Species	PROB	SIM	DIST	TYPE
=>1) Bur.cepacia	100	0.624	5.81	N/A
2) Psd.aeruginosa	0	0.000	24.14	N/A
3) Agr.rhizobium	0	0.000	28.67	N/A
4) Prv.stuartii	0	0.000	31.55	N/A
5) Och.anthropi	0	0.000	34.28	N/A
6) Psd.pseudoalcaligenes	0	0.000	39.00	N/A
7) CDC II H	0	0.000	41.00	N/A
8) Yer.enterocolitica	0	0.000	42.00	N/A
9) Flv.mizutaii-like(CDC II I)	0	0.000	47.09	N/A
10)	---	-1.000	-1.00	---
Other)				

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 perf 2x.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 Perf 3x.D4C
 Unrestricted Access? : Yes
 Read Time : Aug 10 2025 21:45
 Parent File : Original Data Record
 Plate Number : 2
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number : 1580
 Strain Name : CDC II H
 Other :
 Data Input Mode : Reader
 590/750 Filters Used : 6 / 5
 Threshold Mode : Automatic: Color: 45/95
 Number +/- Reactions : 41 / 4 / 51
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	< 530>	-49	-24	0	< 573>	-33	{ 83}	0	< 667>	8	41
B	29	< 242>	-5	-35+	< 182-	< 252>	24	1+	< 154-	< 220>	15	-23+
C	< 111>	-45	-176	10	< 176>	-23	-128	{ 59}	< 294>	8	-137	4
D	< 182>	-34	-55	< 547>	< 179>	15	9	< 583>	< 390>	10	-40	< 336>
E	< 669>	< 917>	-40	< 277>	< 868>	< 894>	-12	< 287>	< 893>	< 925>	7	< 223>
F	{ 66}	-51	-25	< 467>	< 112-	-30	7	< 498>	< 129-	1	0	< 361>
G	< 789>	-1	< 177>	-22	< 961>	31	< 192>	19	< 959>	24	< 210>	28
H	< 750>	43	-26	-15	< 802>	{ 48}	0	31	< 851>	< 125-	3	4

=> No ID <=

Species	PROB	SIM	DIST	TYPE
=>1) Flv.mizutaii-like(CDC II I)	---	0.368	10.67	N/A
2) CDC II H	---	0.000	18.00	N/A
3) Agr.rhizobium	---	0.000	32.30	N/A
4) Prv.stuartii	---	0.000	34.71	N/A
5) Och.anthropi	---	0.000	35.47	N/A
6) Yer.enterocolitica	---	0.000	37.02	N/A
7) Psd.pseudoalcaligenes	---	0.000	38.00	N/A
8) Psd.aeruginosa	---	0.000	38.60	N/A
9) Bur.cepacia	---	0.000	40.24	N/A
10)	---	-1.000	-1.00	---
Other)				

```

Program           : MicroLog3 4.20.05
Worksheet File    : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 perf 2x.W4C
Save To File      : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 Perf 3x.D4C
Unrestricted Access? : Yes
Read Time        : Aug 10 2025 21:54
Parent File      : Original Data Record
Plate Number     : 3
Read Hour       : 24
Sample Number    :
Strain Type      : NOT APPLICABLE
Strain Number    : 1581
Strain Name      : CDC II I
Other           :
Data Input Mode  : Reader
590/750 Filters Used : 6 / 5
Threshold Mode   : Automatic: Color: 65/102
Number +/- Reactions : 41 / 4 / 51
Database To Search : User
Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

```

Plate Type: ECO

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	< 539>	-29	-1	0	< 564>	-38	{ 76}	0	< 654>	-3	36
B	50	< 304>	19	-46+	< 170-	< 229>	34	8+	< 106-	< 219>	-3	-22+
C	< 138>	-58	-154	51	< 180>	-4	-118	{ 88}	< 288>	25	-150	-13
D	< 205>	-52	-22	< 603>	< 181>	50	42	< 726>	< 386>	28	-37	< 333>
E	< 701>	< 722>	4	< 341>	< 920>	< 951>	32	< 356>	< 955>	< 991>	9	< 211>
F	{ 85}	-63	17	< 538>	< 111-	0	17	< 561>	< 125-	33	3	< 362>
G	< 841>	-44	< 190>	27	<1028>	21	< 234>	62	< 990>	42	< 213>	11
H	< 765>	60	-1	30	< 891>	44	-2	{ 70}	< 846>	< 110-	-19	-8

=> No ID <=

Species	PROB	SIM	DIST	TYPE
=>1) Flv.mizutaii-like(CDC II I)	---	0.368	10.67	N/A
2) CDC II H	---	0.000	18.00	N/A
3) Agr.rhizobium	---	0.000	32.30	N/A
4) Och.anthropi	---	0.000	35.47	N/A
5) Prv.stuartii	---	0.000	35.71	N/A
6) Psd.pseudoalcaligenes	---	0.000	37.00	N/A
7) Psd.aeruginosa	---	0.000	37.60	N/A
8) Yer.enterocolitica	---	0.000	38.02	N/A
9) Bur.cepacia	---	0.000	39.67	N/A
10)	---	-1.000	-1.00	---
Other)				

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 perf 2x.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 Perf 3x.D4C
 Unrestricted Access? : Yes
 Read Time : Aug 10 2025 21:57
 Parent File : Original Data Record
 Plate Number : 4
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number : 3822
 Strain Name : Pse pse
 Other :
 Data Input Mode : Reader
 590/750 Filters Used : 6 / 5
 Threshold Mode : Automatic: Color: 40/91
 Number +/- Reactions : 32 / 8 / 56
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	29	-12	-15	0	24	-25	24	0	-20	-35	-17
B	< 228>	-54	-75	< 993>	< 284>	-17	-69	< 917>	< 286>	-91	-105	< 702>
C	< 213>	-88	-218	{ 46}	< 212>	-74	-213	39	< 225>	-67	-217	-43
D	< 170>	15	-59	< 772>	< 198>	11	-55	< 752>	< 155>	-5	-86	< 820>
E	9	{ 52}	< 284>	< 355>	24	12	< 313>	< 415>	3	6	< 258>	< 121>
F	< 135>	32	< 298>	{ 72}	< 143>	7	< 311>	{ 59}	< 115>	-9	< 315>	12
G	-14	5	< 134>	-96	22	11	< 149>	-91	-7	-15	< 136>	-31
H	-63	18	{ 53}	< 120>	-27	5	{ 77}	< 116>	-75	21	{ 48}	{ 88}

=> Species ID: Psd.pseudoalcaligenes <=

Species	PROB	SIM	DIST	TYPE
=>1) Psd.pseudoalcaligenes	100	1.000	-0.00	N/A
2) CDC II H	0	0.000	13.61	N/A
3) Psd.aeruginosa	0	0.000	16.33	N/A
4) Bur.cepacia	0	0.000	23.19	N/A
5) Och.anthropi	0	0.000	30.84	N/A
6) Flv.mizutaii-like(CDC II I)	0	0.000	31.27	N/A
7) Agr.rhizobium	0	0.000	35.18	N/A
8) Prv.stuartii	0	0.000	36.01	N/A
9) Yer.enterocolitica	0	0.000	44.00	N/A
10)	---	-1.000	-1.00	---
Other)				

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 perf 2x.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 Perf 3x.D4C
 Unrestricted Access? : Yes
 Read Time : Aug 10 2025 21:58
 Parent File : Original Data Record
 Plate Number : 5
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number : 8614
 Strain Name : Agr rhi
 Other :
 Data Input Mode : Reader
 590/750 Filters Used : 6 / 5
 Threshold Mode : Automatic: Color: 76/147
 Number +/- Reactions : 48 / 10 / 38
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	0	< 556>	< 327>	< 168>	0	< 589>	< 273>	< 176>	0	< 585>	< 277>	< 194>
B	< 228>	< 559>	62	< 609>	< 202>	< 579>	37	< 601>	< 203>	< 556>	65	< 576>
C	< 218-	14	-121	-7	< 185-	-7	-118	-14	< 221-	18	-105	-10
D	< 266>	< 754>	56	< 404>	< 280>	< 754>	36	< 411>	< 318>	< 717>	68	< 373>
E	23	< 438>	25+	< 340>	19	< 422>	18+	< 361>	32	< 472>	31+	< 277>
F	{ 90}	{ 114}	-9	{ 92}	{ 84}	{ 89}	-12	37	{ 86}	{ 116}	12	44
G	< 496>	< 496>	{ 130}	15	< 506>	< 546>	{ 128}	12	< 491>	< 563>	{ 129}	2
H	< 443>	48	< 222>	25	< 405>	24	< 251>	18	< 398>	37	< 236>	30

=> Species ID: Agr.rhizobium <=

Species	PROB	SIM	DIST	TYPE
=>1) Agr.rhizobium	100	0.613	6.00	N/A
2) Och.anthropi	0	0.000	20.00	N/A
3) Flv.mizutaii-like(CDC II I)	0	0.000	22.48	N/A
4) Psd.aeruginosa	0	0.000	24.29	N/A
5) Prv.stuartii	0	0.000	24.98	N/A
6) Bur.cepacia	0	0.000	26.04	N/A
7) Yer.enterocolitica	0	0.000	30.00	N/A
8) CDC II H	0	0.000	33.00	N/A
9) Psd.pseudoalcaligenes	0	0.000	36.00	N/A
10)	---	-1.000	-1.00	---
Other)				

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 perf 2x.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 Perf 3x.D4C
 Unrestricted Access? : Yes
 Read Time : Aug 10 2025 22:23
 Parent File : Original Data Record
 Plate Number : 1
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number : 948
 Strain Name : Bur cep
 Other :
 Data Input Mode : Manual
 Number +/- Reactions : 50 / 18 / 28
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 (X): borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	-	-	<-	<+>	-	-	<+>	<+>	-	-	<-	<+>
B	<+>	{/}	<+>	<+>	<+>	{/}	<+>	<+>	<+>	{/}	<+>	<+>
C	{/}	-	<+>	<+>	{/}	-	<+>	<+>	{/}	-	<+>	<+>
D	{/}	<+>	<+>	<+>	{/}	<+>	<+>	<+>	{/}	<+>	<+>	<+>
E	-	<+>	<-	<+>	-	<+>	<-	<+>	-	<+>	<-	{/}
F	{/}	{/}	-	{/}	{/}	{/}	-	{/}	{/}	{/}	-	-
G	-	<+>	<+>	<+>	-	<+>	<+>	<+>	-	<+>	<+>	<+>
H	-	*	- +	<+>	-	*	- +	<+>	-	*	- +	<+>

=> Species ID: Bur.cepacia <=

Species	PROB	SIM	DIST	TYPE
=>1) Bur.cepacia	100	0.534	7.38	N/A
2) Agr.rhizobium	0	0.000	25.19	N/A
3) Psd.aeruginosa	0	0.000	27.00	N/A
4) Och.anthropi	0	0.000	31.00	N/A
5) Prv.stuartii	0	0.000	34.84	N/A
6) Psd.pseudoalcaligenes	0	0.000	36.00	N/A
7) Yer.enterocolitica	0	0.000	38.00	N/A
8) CDC II H	0	0.000	39.00	N/A
9) Flv.mizutaii-like(CDC II I)	0	0.000	48.25	N/A
10)	---	-1.000	-1.00	---
Other)				

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 perf 2x.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 Perf 3x.D4C
 Unrestricted Access? : Yes
 Read Time : Aug 10 2025 22:20
 Parent File : Original Data Record
 Plate Number : 3
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number : 1581
 Strain Name : CDC II I
 Other :
 Data Input Mode : Manual
 Number +/- Reactions : 33 / 3 / 60
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	-	<+>		-	-	<+>		-	-	<+>		
B	-	<+>		- +		<+>		- +	-	<+>		- +
C	<+>	-		-	<+>	-		-	<+>	-		
D	<+>	-		<+>	<+>	-		<+>	<+>	-		<+>
E	<+>	<+>		<+>	<+>	<+>		<+>	<+>	<+>		<+>
F		-		<+>	-	-		<+>	-	-		<+>
G	<+>	-	{}	-	<+>	-	{}	-	<+>		{}	-
H	<+>	-	-	-	<+>			-	<+>		-	-

=> Species ID: Flv.mizutaii-like(CDC II I) <=

Species	PROB	SIM	DIST	TYPE
=>1) Flv.mizutaii-like(CDC II I)	100	0.659	5.24	N/A
2) CDC II H	0	0.000	20.83	N/A
3) Agr.rhizobium	0	0.000	30.52	N/A
4) Prv.stuartii	0	0.000	34.99	N/A
5) Och.anthropi	0	0.000	36.72	N/A
6) Yer.enterocolitica	0	0.000	36.82	N/A
7) Bur.cepacia	0	0.000	38.01	N/A
8) Psd.pseudoalcaligenes	0	0.000	39.46	N/A
9) Psd.aeruginosa	0	0.000	41.31	N/A
10)	---	-1.000	-1.00	---
Other)				

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 perf 2x.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 Perf 3x.D4C
 Unrestricted Access? : Yes
 Read Time : Aug 10 2025 22:18
 Parent File : Original Data Record
 Plate Number : 4
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number : 3822
 Strain Name : Pse pse
 Other :
 Data Input Mode : Manual
 Number +/- Reactions : 30 / 9 / 57
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	-	-	-	-	-	-	-	-	-	-	-	-
B	<+>	{}	-	<+>	<+>	{}	-	<+>	<+>	{}	-	<+>
C	<+>	{}	-	{}	<+>	{}	-	{}	<+>	{}	-	{}
D	<+>	-	-	<+>	<+>	-	-	<+>	<+>	-	-	<+>
E	-	-	<+>	<+>	-	-	<+>	<+>	-	-	<+>	<+>
F	<+>	-	<+>	-	<+>	-	<+>	<+>	<+>	-	<+>	-
G	-	-	<+>	-	-	-	<+>	-	-	-	<+>	-
H	-	-	-+	-+	-	-	-+	-+	-	-	-+	-+

=> Species ID: Psd.pseudoalcaligenes <=

Species	PROB	SIM	DIST	TYPE
=>1) Psd.pseudoalcaligenes	100	0.613	6.00	N/A
2) CDC II H	0	0.000	12.36	N/A
3) Psd.aeruginosa	0	0.000	18.17	N/A
4) Bur.cepacia	0	0.000	23.40	N/A
5) Och.anthropi	0	0.000	28.84	N/A
6) Flv.mizutaii-like(CDC II I)	0	0.000	32.35	N/A
7) Agr.rhizobium	0	0.000	34.18	N/A
8) Prv.stuartii	0	0.000	35.77	N/A
9) Yer.enterocolitica	0	0.000	42.23	N/A
10)	---	-1.000	-1.00	---
Other)				

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 perf 2x.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 Perf 3x.D4C
 Unrestricted Access? : Yes
 Read Time : Aug 10 2025 22:29
 Parent File : Original Data Record
 Plate Number : 5
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number : 8614
 Strain Name : Agr rhi
 Other :
 Data Input Mode : Manual
 Number +/- Reactions : 33 / 18 / 45
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	-	<+>	{}	{}	-	<+>	{}	{}	-	<+>	{}	{}
B	{}	<+>	-	<+>	{}	<+>	-	<+>	{}	<+>	-	<+>
C	{}	{}	-	-	{}	{}	-	-	{}	{}	-	-
D	{}	<+>	-	<+>	{}	<+>	-	<+>	{}	<+>	-	<+>
E	-	<+>	-+	<+>	-	<+>	-+	<+>	-	<+>	-+	<+>
F	-	-	-	-	-	-	-	-	-	-	-	-
G	<+>	<+>	-	-	<+>	<+>	-	-	<+>	<+>	-	-
H	<+>	-	<+>	-	<+>	<+>	-	<+>	-	<+>	<+>	-

=> Species ID: Agr.rhizobium <=

Species	PROB	SIM	DIST	TYPE
=>1) Agr.rhizobium	100	0.800	3.00	N/A
2) Flv.mizutaii-like(CDC II I)	0	0.000	17.24	N/A
3) Yer.enterocolitica	0	0.000	18.00	N/A
4) Bur.cepacia	0	0.000	20.95	N/A
5) Och.anthropi	0	0.000	21.00	N/A
6) Prv.stuartii	0	0.000	24.00	N/A
7) Psd.aeruginosa	0	0.000	27.18	N/A
8) CDC II H	0	0.000	32.74	N/A
9) Psd.pseudoalcaligenes	0	0.000	33.46	N/A
10)	---	-1.000	-1.00	---
Other)				

Program : MicroLog3 4.20.05
 Worksheet File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 perf 2x.W4C
 Save To File : C:\Program Files (x86)\Biolog\ML3_42_05\eco 3903111 Perf 3x.D4C
 Unrestricted Access? : Yes
 Read Time : Aug 10 2025 22:14
 Parent File : Original Data Record
 Plate Number : 6
 Read Hour : 24
 Sample Number : Plate Type: ECO
 Strain Type : NOT APPLICABLE
 Strain Number : 15105
 Strain Name : Yer ent
 Other :
 Data Input Mode : Manual
 Number +/- Reactions : 27 / 18 / 51
 Database To Search : User
 Data Base(s) Searched : C:\Program Files (x86)\Biolog\ML3_42_05\databases\17jun02d.KID

Key : <X>: positive; <X-: mismatched positive; X: negative; X+: mismatched negative
 {X}: borderline; -X: less than A1 well

Color	1	2	3	4	5	6	7	8	9	10	11	12
A	-	<+>	-	-	-	<+>	-	-	-	<+>	-	-
B	<+>	{}	<+>	<+>	<+>	{}	<+>	<+>	<+>	{}	<+>	<+>
C	{}	-	-	{}	{}	-	-	{}	{}	-	-	{}
D	-	<+>	-	<+>	-	<+>	-	<+>	-	<+>	-	<+>
E	-	<+>	-	-	-	<+>	-	-	-	<+>	-	-
F	{}	-	-	{}	{}	-	-	{}	{}	-	-	{}
G	- +	<+>	-	-	{}	<+>	{}	-	{}	<+>	-	-
H	-	<+>	-	-	-	<+>	-	-	-	<+>	-	-

=> Species ID: Yer.enterocolitica <=

Species	PROB	SIM	DIST	TYPE
=>1) Yer.enterocolitica	100	0.933	1.00	N/A
2) Bur.cepacia	0	0.000	11.40	N/A
3) Prv.stuartii	0	0.000	16.98	N/A
4) Agr.rhizobium	0	0.000	20.91	N/A
5) Flv.mizutaii-like(CDC II I)	0	0.000	25.00	N/A
6) Psd.aeruginosa	0	0.000	25.26	N/A
7) CDC II H	0	0.000	29.40	N/A
8) Psd.pseudoalcaligenes	0	0.000	38.00	N/A
9) Och.anthropi	0	0.000	39.00	N/A
10)	---	-1.000	-1.00	---
Other)				

PLATE PRODUCTION LOG SHEET

Part No.: 1506
 Product: Flt
 Lot No.: 3903111
 Mfg Date: 11 Mar 2025
 Exp Date: 11 Sep 2026

Comments: _____

(1) Starting Plate Count: 6451
 (2) Ending Plate Count: 8
 (3) Drying Room Count: 6407
 Filling Loss (=1-2-3): 36
 (4) Packed Plates: 6360
 Packing Loss (=3-4): 47

(5) QC Perform. Test: 20
 (6) QC Contam Test: 32
 (7) QC Retention: 10

Net Plts to Inventory: 6350
 (=4-5-6-7) 6340 AM 3/27



Count	Readjustments	Count	Readjustments	Count	Readjustments
<u>29.2</u> Initial Count	<u>↑2</u>	<u>29.1</u> 2400 Count	<u>↑1</u>	<u>30.2</u> 4800 Count	<u>—</u>
<u>28.8</u> 200 Count	<u>↑4</u>	<u>29.7</u> 2600 Count	<u>↑1</u>	<u>28.4</u> 5000 Count	<u>↑4</u>
<u>31.6</u> 400 Count	<u>—</u>	<u>29.2</u> 2800 Count	<u>↑1</u>	<u>29.8</u> 5200 Count	<u>—</u>
<u>30.3</u> 600 Count	<u>—</u>	<u>28.9</u> 3000 Count	<u>↑2</u>	<u>30.1</u> 5400 Count	<u>—</u>
<u>29.8</u> 800 Count	<u>↑1</u>	<u>29.3</u> 3200 Count	<u>↑1</u>	<u>29.8</u> 5600 Count	<u>—</u>
<u>29.8</u> 1000 Count	<u>↑1</u>	<u>29.7</u> 3400 Count	<u>↑1</u>	<u>30.1</u> 5800 Count	<u>—</u>
<u>29.7</u> 1200 Count	<u>↑1</u>	<u>29.7</u> 3600 Count	<u>↑1</u>	<u>29.6</u> 6000 Count	<u>—</u>
<u>29.3</u> 1400 Count	<u>↑1</u>	<u>29.7</u> 3800 Count	<u>↑1</u>	<u>29.9</u> 6200 Count	<u>—</u>
<u>29.4</u> 1600 Count	<u>↑1</u>	<u>30.1</u> 4000 Count	<u>—</u>	<u>29.6</u> 6400 Count	<u>—</u>
<u>29.4</u> 1800 Count	<u>↑1</u>	<u>29.9</u> 4200 Count	<u>—</u>	<u>—</u> 6600 Count	<u>—</u>
<u>30.0</u> 2000 Count	<u>—</u>	<u>30.1</u> 4400 Count	<u>—</u>	<u>—</u> 6800 Count	<u>—</u>
<u>28.9</u> 2200 Count	<u>↑2</u>	<u>29.4</u> 4600 Count	<u>↑1</u>	<u>—</u> 7000 Count	<u>—</u>

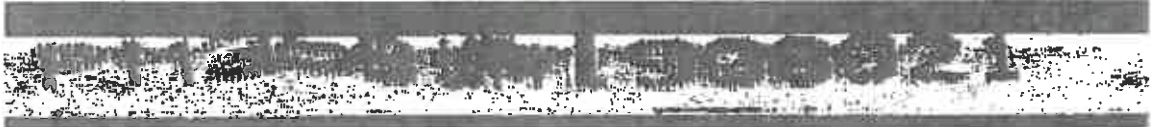
Acceptable:



Marginally acceptable:



Not acceptable:



PRINTING VERIFICATION

Tech initial: RA Date 03/22/09

From batch record:

Plate identification ECO

Lot number 3903111

Verified by JT Date 03/12/09

Attach Manufacturing Batch Sample:



Reision:

28Sep2011 CRCO No. 155: Extract as record form from QSD 12.009 Printing Plate Type and Lot Number Directly on MicroPlate Trays.

Document Number: LVR1506
Revision Number: E
Effective Date: 27 December 2017
Page: 1 of 1
Date Printed: Wednesday, 27 December 2017



Note: Printed documents are for reference only and may be outdated. Refer to controlled version to verify latest release.

Document Name: EcoPlate Label Verification Record

MicroPlate Type:	EcoPlate
Catalog No.:	1506
Lot No.:	3903111
Expiration Date:	11 Mar 11 Sep 2026 11 Mar 2025 TT

Prepare the MicroPlate label with the MicroPlate name, catalog number, lot number, expiration date and storage temperature clearly printed.

1. Print the lot number in XXMMDDR format, where "XX" is the year of production, "MM" is the month of manufacture, "DD" is the day of manufacture, and "R" is the run number of the day.
2. Print the expiration date in DD MMM YYYY format, where "DD" is the day of expiration, "MM" is the month of expiration, and "YYYY" is the year of expiration.
 - a. The expiration date is 18 months from the date of preparation.
3. The label must be in a format that is recognized by the printer.
4. The label must be verified by a second person.
5. Attach a sample of the approved label to this document.
6. Attach the label and this document to MF1506, EcoPlate Manufacturing Procedure.

ECOPLATE™

Cat. No. 1506

**Lot No. 1234567
Exp. 01 JAN 2024**

**STORE AT 2° TO 8 °C
FOR RESEARCH USE ONLY**

BiOLOG

**21124 CABOT BOULEVARD
HAYWARD, CA 94545**

U.S.A.

Printed By (Sign/Date):	RA 03/22/25
Verified By (Sign/Date):	JT 03/12/25

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LVR1506 Rev. E



Document Name: EcoPlate – Run Size ~5,000

Lot Number:	3903111
Technician Name / Date:	11 Mar 2025 JT

1. Purpose

This procedure defines the process of manufacturing EcoPlates.

2. Scope

This procedure applies to the manufacturing of EcoPlates at Biolog.

3. Definitions

- 3.1. Prefilter: The glass fiber prefilters supplied with the disposable filter units.
- 3.2. RT: Room temperature
- 3.3. SOURCE: The manufacturer's name and lot number for chemicals or the preparer's name and date of preparation for solutions.
- 3.4. Stock Concentration: The concentration of the stock solution relative to the concentration(s) of the chemical(s) in the stock solution when they are rehydrated with the volume of inoculum at the final point of use in the MicroPlate.
- 3.5. QA: Quality Assurance

4. Equipment, Supplies, Materials

4.1. Equipment

Item	Type / Model No.
Mettler Toledo Analytical Balance	SNF / 1116383049
Mettler Toledo Top Loading Balance	NewClassic MF / M14002E103
1000 mL 0.2 µm Cellulose Acetate Filter System	Corning / 431205
150 mL 0.2 µm Cellulose Acetate Filter System	Corning / 431154
Microwave Oven	Sharp / Carousel
pH Meter	N/A / B336749349
Stirrer/Hot Plates	Corning / PC-420D
Electronic Pipettor	Drummond / 180955
Filling Pump	Wheaton / Omnispense
Manual Pipettor	Eppendorf / 022260201

4.2. Supplies and Materials

Item	Amount Required	Part No.
Flat Bottom Culture Tubes (38 x 250 mm)	96	2011-S0174
100 mL Disposable, Sterile, Non-Pyrogenic Polystyrene Pipettes	32	4484
Sterile, Disposable Transfer Pipettes	96	3019



Document Name: EcoPlate – Run Size ~5,000

Lot Number:	3903111
Technician Name / Date:	11 Mar 2025 JT

Item	Amount Required	Part No.
50 mL Combitips Plus Disposable Syringe	1	0030089693
2000 mL Graduated Glass Cylinder	1	3024
1000 mL Graduated Glass Cylinder	1	20026
500 mL Graduated Glass Cylinder	1	20028-W
250 mL Graduated Glass Cylinder	1	89000-256
100 mL Graduated Glass Cylinder	1	20024
Polyurethane Broth Tub	1	N/A
Dispensing Tubing	1	N/A
Stir Bars	N/A	N/A
4.01 pH Buffer Solution	1	63056121
7.00 pH Buffer Solution	1	BX1632-1
10.00 pH Buffer Solution	1	C0728500
38 mm Polypropylene Caps	96	CLS-1503-10
40 mm Polypropylene Caps	96	26798-40
2 L Glass Bottles with Caps	2	N/A
500 mL Beaker	1	N/A
250 mL Beaker	1	N/A
100 mL Beaker	2	N/A
100 mL Pipette	2	N/A
50 mL Pipette	1	N/A
10 mL Pipette	1	N/A

5. Procedure

- 5.1. Read the following preparation and precaution notes before beginning:
 - 5.1.1. For pH adjustments, use 1+20 HCl or 1+20 NaOH to adjust unless specified otherwise.
 - 5.1.2. All solutions should be clear in appearance after filtration unless specified otherwise.
 - 5.1.3. Do not substitute the liquid form of albumin in place of the powdered form used in these formulations.
 - 5.1.4. Some solutions require heating to dissolve their ingredients. Pay close attention to heat only those solutions which specifically call for heating. If a substrate has recrystallized during storage, it may be gently heated and stirred to redissolve.



Document Name: EcoPlate – Run Size ~5,000

Lot Number:	3903111
Technician Name / Date:	11 Mar 2025 JS

- 5.1.5. Protein solutions will denature and clump if dissolved using agitation, for example Protease Free Albumin (PFA). Add the PFA to the purified water and allow the PFA to fully dissolve.
- 5.1.6. When solutions require the addition of 50% NaOH, handle the solutions with care and wear the appropriate PPE, such as gloves, goggles, and a felt mask or respirator. 50% NaOH is corrosive.
- 5.2. Read the following information before beginning:
 - 5.2.1. The filling machine shall be calibrated to dispense at **30 μ L volume \pm 1 μ L** per well.
 - 5.2.2. All stock solutions and/or substrates shall be filtered with a 0.2 or 0.22 μ m cellulose acetate filter, unless specified otherwise.
 - 5.2.3. All solutions shall be prepared and filtered on the same shift. Do not leave solutions stirring overnight.
 - 5.2.4. All stocks shall be clearly labelled with the following information:
 - 5.2.4.1. Stock name
 - 5.2.4.2. Concentration
 - 5.2.4.3. Preparer's initials
 - 5.2.4.4. Date prepared
 - 5.2.4.5. Expiration date or shelf life (see 5.2.5 below)
 - 5.2.5. The expiration period, unless specified otherwise, is 12 months from the date of preparation for all substrate stock solutions (substrates) and 6 months from the date of preparation for all other stock solutions.
 - 5.2.6. The stock formulations shall be measured as accurately as possible to the nearest hundredth of a milliliter for volumes 10 mL and under. The stock formulations shall be measured as accurately as possible to the nearest tenth of a milliliter for volumes over 10 mL and up to 100 mL. The stock formulations shall be measured as accurately as possible to the nearest milliliter for volumes over 100 mL.
 - 5.2.7. This procedure is intended for a run size of approximately 5,000 plates. The batch volumes are summarized as follows:
 - 5.2.7.1. Substrates at **85 mL / tube**
 - 5.2.7.2. **0.2 M MgSO₄** at **5.1 mL / tube**, 490 mL needed
 - 5.2.7.3. Suspension Broth at **113.9 mL / tube**; 10934 mL needed
 - 5.2.8. The chemicals required for each solution are listed with the individual procedures, together with storage conditions. Solid chemicals are removed from containers with a stainless steel spatula and any excess is discarded and not returned to the bottle. Liquids are measured by pipette or graduated cylinder with the excess similarly discarded.



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Lot Number:	3903111
Technician Name / Date:	11 Mar 2025 JT

Chemical Solution	Stock Conc.	Document Number	Volume Required	Storage Conditions
1 M MgSO ₄	1000X	00W 003	120 mL	RT
GN/MT Salt Stock	40X	00W 004	2700 mL	RT
GN Mix Stock	400X	00W 005	270 mL	2 – 8 °C
0.5 mM Folic acid	1000X	00W 006	108 mL	2 – 8 °C
10% Protease Free Albumin	600X	MF1506	180 mL	Make Fresh
5% Yeast Extract	8571X	00W 007	12.6 mL	2 – 8 °C
1% Tetrazolium Violet	125X	MF1506	864.0 mL	Make Fresh

- 5.3. Autoclave the substrate tubes and all required materials per QSD61.001, Autoclaving Glassware.
- 5.4. Clean the filling machine per QSD61.002, Pre-Production Cleaning and Autoclaving, MicroPlate Filling Machine.
- 5.5. Make substrates and stock solutions as required per QSD62.001, Guidelines for the Preparation of Manufacturing Stock Solutions.
- 5.6. Prepare all substrates per MF1506.F1, EcoPlate Substrate Sheets.
- 5.7. Dispense **85 mL** of each substrate into the autoclaved test tubes per the following procedure:
 - 5.7.1. Use a new, sterile, disposable pipette for each substrate.
 - 5.7.2. Each time a substrate is pulled from the refrigerator, check the expiration date or shelf life remaining from the date of manufacture. Also visually check for any sign of contamination. Do not use a substrate that appears to be contaminated.
 - 5.7.3. Verify each chemical and concentration before passing the substrate to the operator filling the tubes. As chemicals are verified, fill out the table in 5.8 per the following procedure:
 - 5.7.3.1. Initial and date above the table for the operator verifying the information. If another operator verifies a chemical and concentration, they shall initial and date to the right of the "Verify" column.
 - 5.7.3.2. Fill in the SOURCE information (see 3.3 above).
 - 5.7.3.3. Check "Yes" in the "Verify" column as each chemical and concentration is verified.
- 5.8. Table:

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 Revision Number: C2
 Effective Date: 22 February 2022
 Page: 5 of 11



Date Printed: Tuesday, 22 February 2022

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Document Name: EcoPlate – Run Size ~5,000

Lot Number:	3903111
Technician Name / Date:	11 Mar 2025 JT

Initials: RA Date: 03/02/25

Well Position	SOURCE	Chemical Name (Biolog No.)	Stock Conc. %	Verify
A1-A5-A9	JT091324	Purified Water (2946) RT	N/A	<input checked="" type="checkbox"/> Yes
A2-A6-A10	JT091324	β-Methyl-D-glucoside (273)	2	<input checked="" type="checkbox"/> Yes
A3-A7-A11	JT022525	D-(-)-Galactonic acid γ-lactone (14)	2	<input checked="" type="checkbox"/> Yes
A4-A8-A12	JT120924	L-Arginine (94)	4	<input checked="" type="checkbox"/> Yes
B1-B5-B9	JT031125	Methyl pyruvate (338) Shelf life 1 month	4	<input checked="" type="checkbox"/> Yes
B2-B6-B10	JT091324	D-(+)-Xylose (224)	4	<input checked="" type="checkbox"/> Yes
B3-B7-B11	JT091324	D-(+)-Galacturonic acid (16)	2	<input checked="" type="checkbox"/> Yes
B4-B8-B12	JT120924	L-Asparagine (95) RT	4	<input checked="" type="checkbox"/> Yes
C1-C5-C9	JT120924	TWEEN® 40 (408) Heat	6	<input checked="" type="checkbox"/> Yes
C2-C6-C10	JT091824	meso-Erythritol (62)	8	<input checked="" type="checkbox"/> Yes
C3-C7-C11	JT091824	Salicylic acid (203)	2	<input checked="" type="checkbox"/> Yes
C4-C8-C12	JT022525	L-Phenylalanine (114) Heat	2	<input checked="" type="checkbox"/> Yes
D1-D5-D9	JT120924	TWEEN® 80 (452) Heat	6	<input checked="" type="checkbox"/> Yes
D2-D6-D10	JT022525	D-Mannitol (72)	8	<input checked="" type="checkbox"/> Yes
D3-D7-D11	JT091824	4-Hydroxybenzoic acid (194) Heat	2	<input checked="" type="checkbox"/> Yes
D4-D8-D12	JT091824	L-Serine (117)	3	<input checked="" type="checkbox"/> Yes

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Document Name: EcoPlate – Run Size ~5,000

Lot Number:	3903111
Technician Name / Date:	11 Mar 2025 JR

Well Position	SOURCE	Chemical Name (Biolog No.)	Stock Conc. %	Verify
E1-E5-E9	WD031025	α -Cyclodextrin (423) Heat	4	<input checked="" type="checkbox"/> Yes
E2-E6-E10	JT092724	N-Acetyl-D-Glucosamine (193)	2	<input checked="" type="checkbox"/> Yes
E3-E7-E11	JT092724	γ -Aminobutyric acid (93)	2	<input checked="" type="checkbox"/> Yes
E4-E8-E12	JT092724	L-Threonine (119)	3	<input checked="" type="checkbox"/> Yes
F1-F5-F9	JT120924	Glycogen (173) Autoclave	2	<input checked="" type="checkbox"/> Yes
F2-F6-F10	JT022525	D-Glucosaminic acid (226)	2	<input checked="" type="checkbox"/> Yes
F3-F7-F11	JT092724	Itaconic acid (30)	2	<input checked="" type="checkbox"/> Yes
F4-F8-F12	JT022525	Gly-Glu (102)	2	<input checked="" type="checkbox"/> Yes
G1-G5-G9	JT092724	D-(+)-Cellobiose (222)	3	<input checked="" type="checkbox"/> Yes
G2-G6-G10	JT092724	α -D-Glucose 1-phosphate (325)	2	<input checked="" type="checkbox"/> Yes
G3-G7-G11	JT120924	α -Ketobutyrate (31)	2	<input checked="" type="checkbox"/> Yes
G4-G8-G12	JT092724	2-Phenylethylamine (145) RT	2	<input checked="" type="checkbox"/> Yes
H1-H5-H9	JT093024	α -Lactose (69)	4	<input checked="" type="checkbox"/> Yes
H2-H6-H10	JT092724	DL- α -Glycerophosphate (216)	2	<input checked="" type="checkbox"/> Yes
H3-H7-H11	JT092724	D-Malic acid (582)	2	<input checked="" type="checkbox"/> Yes
H4-H8-H12	JT022525	Putrescine (147)	2	<input checked="" type="checkbox"/> Yes

5.9. After filling each tube, put a sterilized cap on the tube.

5.9.1. Fill the racks by placing each tube in the same position as the well position.



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Document Name: EcoPlate – Run Size ~5,000

Lot Number:	390311
Technician Name / Date:	11 Mar 2025 JT

- 5.9.1.1. When filling the racks, write the well position on the sterilized cap for each tube located in a corner (four per rack) and on tubes located in between empty positions.
- 5.9.2. When finished filling the racks, verify that all tubes are present, except those which have not been made (RT substrates and those required to be made the day of the run).
- 5.9.3. Visually scan the fluid level in all tubes to ensure the tubes are filled to the same level.
- 5.10. Verify that all of the tubes are present. If any tubes are not present, record the exception on QSD61.021, MicroPlate Exceptions.
- 5.11. Prepare the following reagent on the day before or day of dispense:

Reagent	Biolog No.	Quantity Required	SOURCE	Completed By (Initials/Date)
Purified Water	2946	9000 mL	PL	10 Mar 2025 RA

- 5.11.1. Autoclave water at 250 to 270 °F for 30 minutes.
- 5.11.2. Store at 25 to 35 °C.
- 5.12. Prepare the following reagent on the day of dispense:

Reagent	Biolog No.	Quantity Required	SOURCE	Completed By (Initials/Date)
Purified Water	2946	900 mL	PL	11 Mar 2025 JT
Tetrazolium Violet	2193	9.0 g	Lot: 0784320001	11 Mar 2025 JT

- 5.12.1. Do not use heat to dissolve.
- 5.12.2. Combine and mix (the tetrazolium violet is known to have insoluble impurities, mix until most of the material is dissolved).
- 5.12.3. Measure and record the pH for informational purposes: 3.27
- 5.12.4. Filter sterilize using a 0.22 µm cellulose acetate filter.
- 5.12.5. Store any remainder at 2 to 8 °C.



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Document Name: EcoPlate – Run Size ~5,000

Lot Number:	3903111
Technician Name / Date:	11 Mar 2025 JT

5.13. Prepare the following reagent on the day of dispense:

Reagent	Biolog No.	Quantity Required	SOURCE	Completed By (Initials/Date)
Purified Water	2946	200 mL	PL	11 Mar 2025 JT
Protease-Free Albumin	2192	20.0 g	Milipore 616	11 Mar 2025 JT

5.13.1. Do not use heat to dissolve.

5.13.2. Combine and allow to dissolve. Gentle mixing may be necessary for any material stuck to the container.

5.13.3. Measure and record the pH for informational purposes: 7.14.

5.13.4. Filter sterilize using a 0.22 µm cellulose acetate filter.

5.13.5. Store any remainder at 2 to 8 °C.

5.14. Add MgSO₄ to the substrates:

5.14.1. Prepare 600 mL of 0.2 M MgSO₄ by combining 120 mL of 1 M MgSO₄ with 480 mL of water.

Reagent	Quantity Required	SOURCE	Completed By (Initials/Date)
Purified Water	480 mL	PL	11 Mar 2025 JT
1 M MgSO ₄	120 mL	JT120224	11 Mar 2025 JT

5.14.2. Filter sterilize using a 0.22 µm cellulose acetate filter.

5.14.3. Add 5.1 mL of prepared 0.2 M MgSO₄ to each tube.

Reagent	Quantity	Completed By (Initials/Date)
0.2 M MgSO ₄	5.1 mL / tube	11 Mar 2025 JT



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Document Name: EcoPlate – Run Size ~5,000

Lot Number:	3903111
Technician Name / Date:	11 Mar 2025 JT

5.15. Prepare the 8.955x EcoPlate Suspension Broth:

Chemical	SOURCE	Stock Conc.	Volume (mL)	Completed By (Initials/Date)
Purified Water	PL	N/A	7925.4	RA 031125
GN/MT Salt Stock	JT120924/JT031125	40x	2700	RA031125
GN Mix Stock	JT120924	400x	270	RA031125
0.5 mM Folic acid	JT120924	1000x	108	RA031125
10% Protease-Free Albumin	JT031125	600x	180	RA031125
5% Yeast Extract	JT022825	8571X	12.6 mL	RA031125
1% Tetrazolium Violet	JT031125	125X	864.0 mL	RA 031125

- 5.15.1. Combine all solutions in the order listed in a broth tub.
- 5.15.2. Swirl gently with a sterile pipette to mix.
- 5.15.3. To measure pH, dilute 8 drops of broth into 5 mL of H₂O.
- 5.15.4. Record the pH: 7.14. The acceptable pH range is 7.1 ± 0.05.
 - 5.15.4.1. If the pH is out of range, add either conc HCl or 50% NaOH to the bulk EcoPlate Suspension Broth.
 - 5.15.4.2. Record the type of solution used to adjust the pH, quantity used, and the resulting pH. Repeat as necessary until the pH is within range.

Solution	Quantity	Adjusted pH

5.16. Aseptically aliquot the EcoPlate Suspension Broth into all tubes:

NA RA031125

Reagent	Quantity	Completed By (Initials/Date)
EcoPlate Suspension Broth	113.9 mL	JT 11 Mar 2025

5.17. Mix each tube suspension gently using a separate sterile transfer pipette for each tube.



Document Name: EcoPlate – Run Size ~5,000

Lot Number:	390311
Technician Name / Date:	11 Mar 2025 JT

- 5.18. Fill plates per QSD71.001, Filling MicroPlates Using the Sandy Springs Filling Machine.
- 5.19. Clean the filling machine per QSD61.014, Post-Production Cleaning, MicroPlate Filling Machine.
- 5.20. Dry plates per QSD72.002, Drying MicroPlates in the Dry Room.
- 5.21. Lid plates per QSD71.003, Setting Out MicroPlate Lids Prior to Lidding Process, and QSD72.003, Assembling Lids on Dried MicroPlates.
- 5.22. Prepare plate labels per LVR1506, EcoPlate Label Verification Record.
- 5.23. Package plates per QSD72.001, Sealing MicroPlates into Pouches Using the Haysen Form/Fill/Seal Machine.
- 5.24. Provide the completed documents MF1506, and MF1506.F1 to the Production Manager for review.
- 5.25. Complete QSD 80.009, Plate Production Log Sheet, per QSD72.004, Completion of the Plate Production Log Sheet.
- 5.26. The Production Manager will:
 - 5.26.1. Review all paperwork.
 - 5.26.2. Verify that all fields have been filled in according to QSD03.032, Good Documentation Practices.
 - 5.26.3. Sign and date below.
- 5.27. Provide MF1506 and QSD80.009 to QC.
- 5.28. File MF1506.F1 in Document Control.
- 5.29. QC will:
 - 5.29.1. Test the MicroPlate according to QC1506, Quality Control Testing of ECO MicroPlate.
 - 5.29.2. Provide all completed paperwork to QA for approval.
- 5.30. The QA Manager will:
 - 5.30.1. Review, sign and date all paperwork where specified.

Production Manager:	
Date:	3/14/25

6. References

- 6.1. LVR1506 EcoPlate Label Verification Record
- 6.2. MF1506.F1 EcoPlate Substrate Sheets
- 6.3. QC1506 Quality Control Testing of EcoPlate
- 6.4. QSD03.032 Good Documentation Practices
- 6.5. QSD61.001 Autoclaving Glassware
- 6.6. QSD61.002 Pre-Production Cleaning and Autoclaving, MicroPlate Filling Machine
- 6.7. QSD61.014 Post-Production Cleaning, MicroPlate Filling Machine
- 6.8. QSD61.021 MicroPlate Exceptions



Document Name: EcoPlate – Run Size ~5,000

Lot Number:	3903111
Technician Name / Date:	11 Mar 2025 Jr

- 6.9. QSD62.001 Guidelines for the Preparation of Manufacturing Stock Solutions
- 6.10. QSD71.001 Filling MicroPlates Using the Sandy Springs Filling Machine
- 6.11. QSD71.003 Setting Out MicroPlate Lids Prior to Lidding Process
- 6.12. QSD72.001, Sealing MicroPlates into Pouches Using the Hayssen Form/Fill/Seal Machine
- 6.13. QSD72.002 Drying MicroPlates in the Dry Room
- 6.14. QSD72.003 Assembling Lids on Dried MicroPlates
- 6.15. QSD72.004 Completion of the Plate Production Log Sheet
- 6.16. QSD80.009 Plate Production Log Sheet

7. Risk Management

Hazard	Risk Management
N/A	N/A

8. Document History

CR/CO:	Rev.	Effective Date	Summary of Changes
N/A	C2	22Feb2022	Correct Albumin Biolog No.
N/A	C1	05Jun2018	Add missing initials and date to substrate table, fix step references, and correct grammar.
1951	C	04Jun2018	Change GBL to GABA in wells E3, E7, and E11, change plate name reference from ECO to EcoPlate, reduce MgSO ₄ from 5 mM to 1 mM to eliminate precipitation, clarify instructions, and update to new Manufacturing document template.
1436	B	24Dec2009	Change GHB to equimolar similarly reactive GBL.
314	A	17May2001	Initial release.