

Specifications

Microorganism Name: Escherichia coli (serotype O145:NM)

Catalog Number: 01097 Lot Number: 1097-17

Reference Number: CDC 99-3311

Purity: Pure

Passage from Reference: 2

Expiration Date: 2018/12/31

Release Information:

Quality Control Technologist: Christine Condon

AUTHORIZED SIGNATURE

Release Date: 2017/2/16

Performance			
Macroscopic Features:	Medium:		
Medium to large, circular, convex, entire edge, gray, glistening.	SBAP		
Microscopic Features:	Method:		
Short gram negative rods	Gram Stain (1)		
ID System: MALDI-TOF	Other Features/ Challenges: Results		
See attached ID System results document.	(1) Oxidase (Kovacs): negative Beta-glucuronidase (E. coli Broth w/MUG): positive E. coli OK O antiserum O145: positive Immunocard STAT! EHEC Kit: Shiga toxin 1 (+) / Shiga toxin 2 (-)		
	Amand Supers		
	Amanda Kuperus		
	Quality Control Manager		

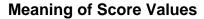
Disclaimer: The last digit(s) of the lot number appearing on the product label and packing slip are merely a packaging event number. The lot number displayed on this certificate is the actual base lot

Note for Vitek®: Although the Vitek® panel uses many conventional tests, the unique environment of the card, combined with the short incubation period, may produce results that differ from published results obtained by other methods.

A Refer to the enclosed product insert for instructions, intended use and hazard/safety information.

Individual products are traceable to a recognized culture collection.







Range	Interpretation	Symbols	Color
2.00 - 3.00	High-confidence identification	(+++)	green
1.70 - 1.99	Low-confidence identification	(+)	yellow
0.00 - 1.69	No Organism Identification Possible	(-)	red

Meaning of Consistency Categories (A - C)

Category	Interpretation
(A)	High consistency: The best match is a high-confidence identification. The second-best match is (1) a high-confidence identification in which the species is identical to the best match, (2) a low-confidence identification in which the species or genus is identical to the best match, or (3) a non-identification.
(B)	Low consistency: The requirements for high consistency are not met. The best match is a high- or low-confidence identification. The second-best match is (1) a high- or low-confidence identification in which the genus is identical to the best match or (2) a non-identification.
(C)	No consistency: The requirements for high or low consistency are not met.

Sample Name: Escherichia coli (serotype O145:NM)

Sample Description: 01097 Sample ID: 01097-17

Sample Creation Date/Time: 2017-02-10T10:48:31.196 CC

Applied MSP Library(ies): BDAL, Mycobacteria Library (bead method), Filamentous Fungi Library 1.0, Listeria

Sample Name	Sample ID	Organism (best match)	Score Value
G5 (+++) (A)	1097-17	Escherichia coli	2.53

Comments:



Specifications

Microorganism Name: Escherichia coli (serotype O45:H2)

Catalog Number: 01098 Lot Number: 1098-16

Reference Number: CDC 00-3039

Purity: Pure

Passage from Reference: 2

Expiration Date: 2018/12/31

Release Information:

Quality Control Technologist: Christine Condon

AUTHORIZED SIGNATURE

Release Date: 2017/2/16

Performance	
Macroscopic Features:	Medium:
Medium to large, circular, convex, entire edge, gray, glistening.	SBAP
Microscopic Features:	Method:
Short gram negative rods	Gram Stain (1)
ID System: MALDI-TOF See attached ID System results document.	Other Features/ Challenges: Results (1) Oxidase (Kovacs): negative
	Beta-glucuronidase (E. coli Broth w/MUG): positive E. coli OK O antiserum O45: positive Immunocard STAT! EHEC Kit: Shiga toxin 1 (+) / Shiga toxin 2 (-)
	Amand Supers
	Amanda Kuperus
	Quality Control Manager

Disclaimer: The last digit(s) of the lot number appearing on the product label and packing slip are merely a packaging event number. The lot number displayed on this certificate is the actual base lot

Note for Vitek®: Although the Vitek® panel uses many conventional tests, the unique environment of the card, combined with the short incubation period, may produce results that differ from published results obtained by other methods.

A Refer to the enclosed product insert for instructions, intended use and hazard/safety information.

Individual products are traceable to a recognized culture collection.







Range	Interpretation	Symbols	Color
2.00 - 3.00	High-confidence identification	(+++)	green
1.70 - 1.99	Low-confidence identification	(+)	yellow
0.00 - 1.69	No Organism Identification Possible	(-)	red

Meaning of Consistency Categories (A - C)

Category	Interpretation
(A)	High consistency: The best match is a high-confidence identification. The second-best match is (1) a high-confidence identification in which the species is identical to the best match, (2) a low-confidence identification in which the species or genus is identical to the best match, or (3) a non-identification.
(B)	Low consistency: The requirements for high consistency are not met. The best match is a high- or low-confidence identification. The second-best match is (1) a high- or low-confidence identification in which the genus is identical to the best match or (2) a non-identification.
(C)	No consistency: The requirements for high or low consistency are not met.

Sample Name: Escherichia coli (serotype O45:H2)

Sample Description: 01098 Sample ID: 1098-16

Sample Creation Date/Time: 2017-02-10T10:48:31.195 CC

Applied MSP Library(ies): BDAL, Mycobacteria Library (bead method), Filamentous Fungi Library 1.0, Listeria

Sample Name	Sample ID	Organism (best match)	Score Value
G4 (+++) (A)	1098-16	Escherichia coli	2.51

Comments:



Specifications

Microorganism Name: Escherichia coli (serotype O121:H19)

Catalog Number: 01099 Lot Number: 1099-20

Reference Number: CDC 02-3211

Purity: Pure

Passage from Reference: 2

Expiration Date: 2018/12/31

Release Information:

Quality Control Technologist: Christine Condon

AUTHORIZED SIGNATURE

Release Date: 2017/2/16

Performance	
Macroscopic Features:	Medium:
Medium, grey, glossy, circular, convex, entire edge	SBAP
Microscopic Features:	Method:
Short gram negative rods	Gram Stain (1)
ID System: MALDI-TOF See attached ID System results document.	Other Features/ Challenges: Results (1) Oxidase (Kovacs): negative Beta-glucuronidase (E. coli Broth w/MUG): positive E. coli OK O antiserum O121: positive Immunocard STAT! EHEC Kit: Shiga toxin 1 (-) / Shiga toxin 2 (+)
	Amanda Kuperus Quality Control Manager

Disclaimer: The last digit(s) of the lot number appearing on the product label and packing slip are merely a packaging event number. The lot number displayed on this certificate is the actual base lot

Note for Vitek®: Although the Vitek® panel uses many conventional tests, the unique environment of the card, combined with the short incubation period, may produce results that differ from published results obtained by other methods.

A Refer to the enclosed product insert for instructions, intended use and hazard/safety information.

Individual products are traceable to a recognized culture collection.







Range	Interpretation	Symbols	Color
2.00 - 3.00	High-confidence identification	(+++)	green
1.70 - 1.99	Low-confidence identification	(+)	yellow
0.00 - 1.69	No Organism Identification Possible	(-)	red

Meaning of Consistency Categories (A - C)

Category	Interpretation
	High consistency: The best match is a high-confidence identification. The second-best match is (1) a high-confidence identification in which the species is identical to the best match, (2) a low-confidence identification in which the species or genus is identical to the best match, or (3) a non-identification.
(B)	Low consistency: The requirements for high consistency are not met. The best match is a high- or low-confidence identification. The second-best match is (1) a high- or low-confidence identification in which the genus is identical to the best match or (2) a non-identification.
(C)	No consistency: The requirements for high or low consistency are not met.

Sample Name: Escherichia coli (serotype O121:H19)

Sample Description: 01099 Sample ID: 1099-20

Sample Creation Date/Time: 2017-02-10T10:48:31.194 CC

Applied MSP Library(ies): BDAL, Mycobacteria Library (bead method), Filamentous Fungi Library 1.0, Listeria

Sample Name	Sample ID	Organism (best match)	Score Value
G3 (+++) (A)	1099-20	Escherichia coli	2.42

Comments:



Specifications

Microorganism Name: Escherichia coli (serotype O26:H11)

Catalog Number: 01100 Lot Number: 1100-16

Reference Number: CDC 03-3014

Purity: Pure

Passage from Reference: 2

Expiration Date: 2018/12/31

Release Information:

Quality Control Technologist: Christine Condon

Release Date: 2017/2/16

Performance			
Macroscopic Features:	Medium:		
Medium to large, circular, convex, entire edge, gray, glistening.	SBAP		
Microscopic Features:	Method:		
Short gram negative rods	Gram Stain (1)		
ID System: MALDI-TOF	Other Features/ Challenges: Results		
See attached ID System results document.	(1) Oxidase (Kovacs): negative Beta-glucuronidase (E. coli Broth w/MUG): positive E. coli OK O antiserum O26: positive		
	Immunocard STAT! EHEC Kit: Shiga toxin 1 (+) / Shiga toxin 2 (+)		
	1		

Amanda Kuperus **Quality Control Manager AUTHORIZED SIGNATURE**

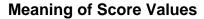
Disclaimer: The last digit(s) of the lot number appearing on the product label and packing slip are merely a packaging event number. The lot number displayed on this certificate is the actual base lot

Note for Vitek®: Although the Vitek® panel uses many conventional tests, the unique environment of the card, combined with the short incubation period, may produce results that differ from published results obtained by other methods.

A Refer to the enclosed product insert for instructions, intended use and hazard/safety information.

Individual products are traceable to a recognized culture collection.







Range	Interpretation	Symbols	Color
2.00 - 3.00	High-confidence identification	(+++)	green
1.70 - 1.99	Low-confidence identification	(+)	yellow
0.00 - 1.69	No Organism Identification Possible	(-)	red

Meaning of Consistency Categories (A - C)

Category	Interpretation
	High consistency: The best match is a high-confidence identification. The second-best match is (1) a high-confidence identification in which the species is identical to the best match, (2) a low-confidence identification in which the species or genus is identical to the best match, or (3) a non-identification.
(B)	Low consistency: The requirements for high consistency are not met. The best match is a high- or low-confidence identification. The second-best match is (1) a high- or low-confidence identification in which the genus is identical to the best match or (2) a non-identification.
(C)	No consistency: The requirements for high or low consistency are not met.

Sample Name: Escherichia coli (serotype O26:H11)

Sample Description: 01100 Sample ID: 1100-16

Sample Creation Date/Time: 2017-02-10T10:48:31.193 CC

Applied MSP Library(ies): BDAL, Mycobacteria Library (bead method), Filamentous Fungi Library 1.0, Listeria

Sample Name	Sample ID	Organism (best match)	Score Value
G2 (+++) (A)	1100-16	Escherichia coli	2.39

Comments:



Specifications

Microorganism Name: Escherichia coli (serotype O103:H11)

Catalog Number: 01101 Lot Number: 1101-21

Reference Number: CDC 06-3008

Purity: Pure

Passage from Reference: 2

Expiration Date: 2019/3/31

Release Information:

Quality Control Technologist: Kieshia L Negen

Release Date: 2017/5/3

Performance			
Macroscopic Features:	Medium:		
Medium to large, circular, convex, entire edge, gray, glistening.	SBAP		
Microscopic Features:	Method:		
Short gram negative rods	Gram Stain (1)		
ID System: MALDI-TOF	Other Features/ Challenges: Results		
See attached ID System results document.	(1) Oxidase (Kovacs): negative		

E. coli OK O antiserum O103: positive Immunoçard STAT! EHEC Kit: Shiga toxin 1 (+) / Shiga toxin 2 (-)

Beta-glucuronidase (E. coli Broth w/MUG): positive

Amanda Kuperus **Quality Control Manager AUTHORIZED SIGNATURE**

Disclaimer: The last digit(s) of the lot number appearing on the product label and packing slip are merely a packaging event number. The lot number displayed on this certificate is the actual base lot

Note for Vitek®: Although the Vitek® panel uses many conventional tests, the unique environment of the card, combined with the short incubation period, may produce results that differ from published results obtained by other methods.

A Refer to the enclosed product insert for instructions, intended use and hazard/safety information.

Individual products are traceable to a recognized culture collection.







Range	Interpretation	Symbols	Color
2.00 - 3.00	High-confidence identification	(+++)	green
1.70 - 1.99	Low-confidence identification	(+)	yellow
0.00 - 1.69	No Organism Identification Possible	(-)	red

Meaning of Consistency Categories (A - C)

Category	Interpretation
(A)	High consistency: The best match is a high-confidence identification. The second-best match is (1) a high-confidence identification in which the species is identical to the best match, (2) a low-confidence identification in which the species or genus is identical to the best match, or (3) a non-identification.
(B)	Low consistency: The requirements for high consistency are not met. The best match is a high- or low-confidence identification. The second-best match is (1) a high- or low-confidence identification in which the genus is identical to the best match or (2) a non-identification.
(C)	No consistency: The requirements for high or low consistency are not met.

Sample Name: Escherichia coli (serotype O103:H11)

Sample Description: 01101 Sample ID: 1101-21

Sample Creation Date/Time: 2017-04-26T16:24:44.041KN

Applied MSP Library(ies): BDAL, Mycobacteria Library (bead method), Filamentous Fungi Library 1.0, Listeria

Sample Name	Sample ID	Organism (best match)	Score Value
E1 (+++) (A)	1101-21	Escherichia coli	2.35

Comments:



Specifications

Microorganism Name: Escherichia coli (serotype O111:H8)

Catalog Number: 01102 Lot Number: 1102-15

Reference Number: CDC 2010C-3114

Purity: Pure

Passage from Reference: 2

Expiration Date: 2018/12/31

Release Information:

Quality Control Technologist: Christine Condon

AUTHORIZED SIGNATURE

Release Date: 2017/2/16

Performance			
Macroscopic Features:	Medium:		
Medium to large, circular, convex, entire edge, gray, glistening.	SBAP		
Microscopic Features:	Method:		
Short gram negative rods	Gram Stain (1)		
ID System: MALDI-TOF	Other Features/ Challenges: Results		
See attached ID System results document.	(1) Oxidase (Kovacs): negative		
	Beta-glucuronidase (E. coli Broth w/MUG): positive		
	E. coli OK O antiserum O111: positive		
	Immunocard STAT! EHEC Kit: Shiga toxin 1 (+) / Shiga toxin 2 (+)		
	Amand Supers		
	Amanda Kuperus		
	Quality Control Manager		

Disclaimer: The last digit(s) of the lot number appearing on the product label and packing slip are merely a packaging event number. The lot number displayed on this certificate is the actual base lot

Note for Vitek®: Although the Vitek® panel uses many conventional tests, the unique environment of the card, combined with the short incubation period, may produce results that differ from published results obtained by other methods.

A Refer to the enclosed product insert for instructions, intended use and hazard/safety information.

Individual products are traceable to a recognized culture collection.







Range	Interpretation	Symbols	Color
2.00 - 3.00	High-confidence identification	(+++)	green
1.70 - 1.99	Low-confidence identification	(+)	yellow
0.00 - 1.69	No Organism Identification Possible	(-)	red

Meaning of Consistency Categories (A - C)

Category	Interpretation
	High consistency: The best match is a high-confidence identification. The second-best match is (1) a high-confidence identification in which the species is identical to the best match, (2) a low-confidence identification in which the species or genus is identical to the best match, or (3) a non-identification.
(B)	Low consistency: The requirements for high consistency are not met. The best match is a high- or low-confidence identification. The second-best match is (1) a high- or low-confidence identification in which the genus is identical to the best match or (2) a non-identification.
(C)	No consistency: The requirements for high or low consistency are not met.

Sample Name: Escherichia coli (serotype O111:H8)

Sample Description: 01102 Sample ID: 1102-15

Sample Creation Date/Time: 2017-02-10T10:48:31.191 CC

Applied MSP Library(ies): BDAL, Mycobacteria Library (bead method), Filamentous Fungi Library 1.0, Listeria

Sample Name	Sample ID	Organism (best match)	Score Value
F12 (+++) (A)	1102-15	Escherichia coli	2.34

Comments:

N/A		



Specifications

Microorganism Name: Escherichia coli (serotype O157:H7)

Catalog Number: 0617 **Lot Number:** 617-98

Reference Number: ATCC® 35150™*

Purity: Pure

Passage from Reference: 3

Expiration Date: 2019/3/31

Release Information:

Quality Control Technologist: Christine Condon

AUTHORIZED SIGNATURE

Release Date: 2017/4/25

Performance	
Macroscopic Features:	Medium:
Medium to large, gray, entire, glistening, smooth, convex.	SBAP
Microscopic Features:	Method:
Gram negative straight rod.	Gram Stain (1)
ID System: MALDI-TOF	Other Features/ Challenges: Results
See attached ID System results document.	(1) Oxidase (Kovacs): negative
	MacConkey w/sorbitol: negative (good growth of colorless colonies/sorbitol negative)
	Beta-glucuronidase (E. coli Broth w/MUG): negative
	(1) E. coli O157 Test (RIM Latex Test): positive
	(1) E. coli H7 Test (RIM Latex Test): positive
	Amand Supers
	Amanda Kuperus
	Quality Control Manager

Disclaimer: The last digit(s) of the lot number appearing on the product label and packing slip are merely a packaging event number. The lot number displayed on this certificate is the actual base lot

Note for Vitek®: Although the Vitek® panel uses many conventional tests, the unique environment of the card, combined with the short incubation period, may produce results that differ from published results obtained by other methods.

Refer to the enclosed product insert for instructions, intended use and hazard/safety information.

Individual products are traceable to a recognized culture collection.



- The ATCC Licensed Derivative Emblem, the ATCC Licensed Derivative word mark and the ATCC catalog marks are trademarks of ATCC. Microbiologics, Inc. is licensed to use these trademarks and to sell products derived from ATCC® cultures.
- (1) These tests are accredited to ISO/IEC 17025:2005.



TESTING CERT #2655.01





Range	Interpretation	Symbols	Color
2.00 - 3.00	High-confidence identification	(+++)	green
1.70 - 1.99	Low-confidence identification	(+)	yellow
0.00 - 1.69	No Organism Identification Possible	(-)	red

Meaning of Consistency Categories (A - C)

Category	Interpretation
	High consistency: The best match is a high-confidence identification. The second-best match is (1) a high-confidence identification in which the species is identical to the best match, (2) a low-confidence identification in which the species or genus is identical to the best match, or (3) a non-identification.
(B)	Low consistency: The requirements for high consistency are not met. The best match is a high- or low-confidence identification. The second-best match is (1) a high- or low-confidence identification in which the genus is identical to the best match or (2) a non-identification.
(C)	No consistency: The requirements for high or low consistency are not met.

Sample Name: Escherichia coli (serotype O157:H7)

Sample Description: 0617 Sample ID: 617-98

Sample Creation Date/Time: 2017-04-19T12:41:55.541 CC

Applied MSP Library(ies): BDAL, Mycobacteria Library (bead method), Filamentous Fungi Library 1.0, Listeria

Sample Name	Sample ID	Organism (best match)	Score Value
E6 (+++) (A)	617-98	Escherichia coli	2.25

Comments: