



Certificate of Analysis: Lyophilized Microorganism Specification and Performance Upon Release

Specifications Microorganism Name: Citrobacter freundii Catalog Number: 0315 Lot Number: 315-125** Reference Number: ATCC® 8090™* Purity: Pure Passage from Reference: 3	Expiration Date: 2020/2/29 Release Information: Quality Control Technologist: Mary L Bowman Release Date: 2018/3/2
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Performance	
Macroscopic Features: Medium to large gray circular, convex, entire, translucent, glistening colonies	Medium: SBAP
Microscopic Features: Straight gram negative rods	Method: Gram Stain (1)
ID System: MALDI-TOF (1) See attached ID System results document.	Other Features/ Challenges: Results (1) Oxidase (Kovacs): negative  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 number.

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.



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(1) These tests are accredited to ISO/IEC 17025:2005.





Meaning of Score Values

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: Citrobacter freundii
 Sample Description: 0315
 Sample ID: 315-125
 Sample Creation Date/Time: 2018-02-27T13:24:56.284 cs
 Applied MSP Library(ies): BDAL, Mycobacteria Library (bead method), Filamentous Fungi Library 1.0, Listeria

Sample Name	Sample ID	Organism (best match)	Score Value
E5 (+++)(A)	315-125	Citrobacter freundii	2.37

Comments:

Species of this genus have very similar patterns: Therefore distinguishing their species is difficult.