



Certificate of Analysis: Lyophilized Microorganism Specification and Performance Upon Release

Specifications Microorganism Name: Enterobacter cloacae subsp. cloacae Catalog Number: 0388 Lot Number: 388-53 Reference Number: ATCC® 35030™* Purity: > 99.9% of Total Pellet CFU Passage from Reference: 3		Expiration Date: 2018/11/30 Release Information: Quality Control Technologist: Mary L Bowman Release Date: 2017/1/18
Performance		
Macroscopic Features: Medium to large, gray, mucoid, convex, circular colonies Microscopic Features: Straight gram negative rod	Medium: SBAP Method: Gram Stain (1)	
ID System: MALDI-TOF See attached ID System results document.	Other Features/ Challenges: Results (1) Oxidase (Kovacs): negative Urea agar slant: positive (1) Purple Broth w/Lactose: positive (1) Purple Broth W/Sorbitol: positive Motility (Wet Mount): darting - 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 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.  (*) 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		

Bruker Daltonik MALDI Biotyper Classification Results



Meaning of Score Values

Range	Description	Symbols	Color
2.300 ... 3.000	highly probable species identification	(+++)	green
2.000 ... 2.299	secure genus identification, probable species identification	(++)	green
1.700 ... 1.999	probable genus identification	(+)	yellow
0.000 ... 1.699	not reliable identification	(-)	red

Meaning of Consistency Categories (A – C)

Category	Description
A	Species Consistency: The best match was classified as 'green' (see above). Further 'green' matches are of the same species as the first one. Further 'yellow' matches are at least of the same genus as the first one.
B	Genus Consistency: The best match was classified as 'green' or 'yellow' (see above). Further 'green' or 'yellow' matches have at least the same genus as the first one. The conditions of species consistency are not fulfilled.
C	No Consistency: Neither species nor genus consistency (Please check for synonyms of names or microbial mixture).

Analyte Name: Enterobacter cloacae subsp. cloacae
 Analyte Description: 0388
 Analyte ID: 388-53
 Analyte Creation Date/Time: 2017-01-04T11:01:01.158 CC/MB
 Applied MSP Library(ies): BDAL, Mycobacteria Library (bead method), Filamentous Fungi Library 1.0, IVD, Listeria
 Applied Taxonomy Tree:

Analyte Name	Analyte ID	Organism (best match)	Score Value
D5(++) (B)	388-53	Enterobacter cloacae	2.292

Comments:

is a member of Enterobacter cloacae complex