



Certificate of Analysis: Lyophilized Microorganism Specification and Performance Upon Release

Specifications Microorganism Name: Mycobacterium tuberculosis Catalog Number: 0112 Lot Number: 112-27 Reference Number: ATCC® 25177™* Purity: Pure Passage from Reference: 3	Expiration Date: 2019/4/30 Release Information: Quality Control Technologist: Christine Condon Release Date: 2017/8/22
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Performance	
Macroscopic Features: Large, irregular, raised, lobate edge, buff colored, dull and rough Microscopic Features: Gram positive rods	Medium: Middlebrook 7H11 Method: Gram Stain (1)
ID System: MALDI-TOF See attached ID System results document.	Other Features/ Challenges: Results (1) Catalase (3% Hydrogen Peroxide): positive (1) Kinyoun Acid Fast Stain: 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.



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

TESTING CERT #2655.01



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: Mycobacterium tuberculosis
 Sample Description: 0112
 Sample ID: 112-27
 Sample Creation Date/Time: 2017-08-07T09:47:54.778 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
E7 (+++)(A)	112-27	Mycobacterium tuberculosis_complex	2.05

Comments:

Mass spectra of Mycobacterium tuberculosis complex members are very similar to each other. For secure differentiation of these species an adequate identification method has to be selected by an experienced professional.