




Certificate of Analysis: Lyophilized Microorganism Specification and Performance Upon Release


SPECIFICATIONS: Product Name: Bacillus cereus Catalog Number: 0256 Lot Number: 256-123** Reference Number: ATCC® 11778™* Passage from Reference: 3 Expiration Date: 2026/02/28	RELEASE INFORMATION: Quality Control Technologist: Elie V Weinert Release Date: 2024/04/15
---	---

Performance	
Macroscopic Features: Large, circular to irregular, flat, erose edge, gray, dull, beta hemoytic.	Medium: SBAP
Microscopic Features: Straight, gram positive rods with rounded ends; occurring mostly in chains.	Method: Gram Stain (1)
ID System: MALDI-TOF (1)	
See attached ID System results document.	
Other Features/ Challenges: Results (1) Catalase (3% Hydrogen Peroxide): positive Parasporal crystals (Phase Contrast Microscopy): not present Rhizoid colonies: not present	
<div> Amanda Kuperus Director of Quality Control AUTHORIZED SIGNATURE</div>	


**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.

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


Individual products are traceable to a recognized culture collection.



TESTING CERT #2655.01



(*) 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.



REFERENCE MATERIAL PRODUCER
CERT #2655.02



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 highconfidence 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 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.

Run Creation Date/Time:2024-04-03T10:24:59.286 EVW

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

Sample Name	Sample ID	Organism (best match)	Score Value
H2 (+++) (B)	256-123	Bacillus cereus	2.44

Comments:

Bacillus anthracis, cereus, mycoides, pseudomycoides and thuringiensis are closely related and members of the Bacillus cereus group. In particular Bacillus cereus spectra are very similar to spectra from Bacillus anthracis. Bacillus anthracis is not included in the MALDI Biotyper database. For differentiation an adequate identification method has to be selected by an experienced professional. The quality of spectra (score) depends on the degree of sporulation: Use fresh material.