

Certificate of Analysis: Lyophilized Microorganism Specification and Performance Upon Release

Specifications

Microorganism Name: Bacillus subtilis subsp. spizizenii

Catalog Number: 0486

Lot Number: 486-1302\*\*
Reference Number: ATCC® 6633™\*

Passage from Reference: 3

(7) Mean Assay Value (MAV): 39 CFU per 0.1 ml

Expiration Date: 2024/1/31

Release Information:

Quality Control Technologist: Kalina E Larsen

Release Date: 2022/2/15

#### Performance

#### Macroscopic Features:

Medium:

Large, irregular, flat, undulate edge, gray and wrinkled with ground glass SBAP appearance; beta hemolysis and slight yellow coloring may appear in wrinkles by 48 hours.

Microscopic Features:

Method:

Straight, gram positive rod, with an ellipsoidal, central or terminal endospore. Gram Stain (1)

ID System: MALDI-TOF (1)

See attached ID System results document.

Amanda Kuperus

**Director of Quality Control AUTHORIZED SIGNATURE** 

A 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.



The Mean Assay Value (MAV) stated above may deviate from the end-user's MAV based on variables inherent to each laboratory environment, such as methods, media type, equipment, pipettes, and individual technician technique.

<sup>\*\*</sup>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.

# **Bruker Daltonik MALDI Biotyper Classification Results**



### **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)	<b>High consistency:</b> 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 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:

2022-02-09T14:15:34.202 KEL

Applied MSP Library(ies):

BDAL, Mycobacteria Library (bead method), Filamentous Fungi Library

Sample Name	Sample ID	Organism (best match)	Score Value
C12 (+++) (A)	486-1302	Bacillus subtilis	2.13

### Comments:

is a member of Bacillus subtilis group. The quality of spectra (score) depends on the degree of sporulation: Use fresh material.



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Catalog #: 0486 Lot #: 486-1302\*\*

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(7) Mean Assay Value (MAV): 39 CFU per 0.1 ml

Standard Deviation: 4.8E+00 Coefficient of Variation: 12%

99% Confidence Interval of 3.8E+01 to 4.0E+01 CFU 95% Confidence Interval of 3.8E+01 to 4.0E+01 CFU

Method used to determine Mean Assay Value: Spiral Plate Method

Medium Employed: TSA

Incubation Time and Temp: 24 hrs at 34-38 degrees C

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