

Certificate of Analysis: Lyophilized Microorganism Specification and Performance Upon Release

Specifications

Microorganism Name: Bacillus subtilis subsp. spizizenii

Catalog Number: 0486 Lot Number: 486-576

Reference Number: ATCC® 6633™*

Purity: Pure

Passage from Reference: 3

Mean Assay Value (MAV): 7.2E+06 CFU per pellet

Expiration Date: 2019/4/30

Release Information:

Quality Control Technologist: Caitlyn J Laudenbach

Release Date: 2017/5/18

Performance

Macroscopic Features:

Medium:

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

Microscopic Features:

Method:

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

ID System: MALDI-TOF

See attached ID System results document.

Other Features/ Challenges: Results

(1) Purple Broth w/Rhamnose: negative

(1) Purple broth w/Lactose: negative

MYP Agar: Growth of yellow, dry colonies without

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

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.

A 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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These tests are accredited to ISO/IEC 17025:2005.

TESTING CERT #2655.01

Bruker Daltonik MALDI Biotyper Classification Results





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
	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: Bacillus subtilis subsp. spizizenii

Sample Description: 0486 Sample ID: 486-576

Sample Creation Date/Time: 2017-05-17T17:25:58.743 CL

Applied MSP Library(ies): BDAL, Mycobacteria Library (bead method), Filamentous Fungi Library 1.0, Listeria

Sample Name	Sample ID	Organism (best match)	Score Value
F12 (+++) (A)	486-576	Bacillus subtilis	2.03

Comments:

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



Statistical Analysis Certificate

Microorganism Name: Bacillus subtilis subsp. spizizenii

Reference #: ATCC® 6633™*

Catalog #: 0486 Lot #: 486-576

Expiration Date: 2019/4/30

Mean Assay Value (MAV): 7.2E+06 CFU per pellet

Standard Deviation: 1.2E+06 Coefficient of Variation: 17%

99% Confidence Interval of 6.6E+06 to 7.8E+06 CFU 95% Confidence Interval of 6.7E+06 to 7.7E+06 CFU

Method used to determine Mean Assay Value: Spiral Biotech Test Method

Medium Employed: TSA

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

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