



Certificate of Analysis: Lyophilized Microorganism Specification and Performance Upon Release

Specifications

Microorganism Name: Bacillus subtilis subsp. spizizenii
Catalog Number: 0486
Lot Number: 486-741**
Reference Number: ATCC® 6633™*
Purity: Pure
Passage from Reference: 3

Expiration Date: 2020/7/31

Release Information:

Quality Control Technologist: Christine Condon

Release Date: 2018/8/6

Performance

Macroscopic Features:

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.

Medium:

SBAP

Microscopic Features:

Straight, gram positive rod, with an ellipsoidal, central or terminal endospore.

Method:

Gram Stain (1)

ID System: MALDI-TOF (1)

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 precipitate

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.



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)	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: 486-741
 Sample Creation Date/Time: 2018-07-31T15:46:09.094 JS
 Applied MSP Library(ies): BDAL, Mycobacteria Library (bead method), Filamentous Fungi Library 1.0, Listeria

Sample Name	Sample ID	Organism (best match)	Score Value
B5 (+++)(A)	486-741	Bacillus subtilis	2.01

Comments:

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