







Certificate of Analysis: Lyophilized Microorganism Specification and Performance Upon Release

SPECIFICATIONS: Product Name: Bacillus spizizenii Catalog Number: 0486 Lot Number: 486-1669** Reference Number: ATCC® 6633™* Passage from Reference: 3 Expiration Date: 2026/04/30	RELEASE INFORMATION: Quality Control Technologist: Jacob A Lohman Release Date: 2024/05/03
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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.	
<div> Amanda Kuperus Director of Quality Control AUTHORIZED SIGNATURE</div>	
<p>**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.</p> <p><u>Refer to the enclosed product insert for instructions, intended use and hazard/safety information.</u></p> <p>Individual products are traceable to a recognized culture collection.</p> <p>(1) These tests are accredited to ISO/IEC 17025.</p> <div> TESTING CERT #2655.01</div> <div> (*) 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.</div> <div> REFERENCE MATERIAL PRODUCER CERT #2655.02</div>	



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:2024-04-30T10:34:30.220 JAL

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

Sample Name	Sample ID	Organism (best match)	Score Value
E6 (+++) (A)	486-1669	Bacillus subtilis	2.14

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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SPECIFICATIONS: Product Name: Rhodococcus equi Catalog Number: 0697 Lot Number: 697-90** Reference Number: ATCC® 6939™* Passage from Reference: 3 Expiration Date: 2026/01/31	RELEASE INFORMATION: Quality Control Technologist: Mariah H Smith Release Date: 2024/02/29
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Performance	
Macroscopic Features: Small to medium, circular, convex, entire edge, cream to white and turning pale peach as culture ages, glistening, mucoid and smooth. Colonies are weakly beta hemolytic and zones may increase to varying sizes as culture ages.	Medium: SBAP
Microscopic Features: Gram positive, rod to coccus, elementary branching may be observed at early stages of growth.	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 Urea slant: positive	 Amanda Kuperus Director of Quality Control AUTHORIZED SIGNATURE
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(C)	No consistency: The requirements for high or low consistency are not met.

Run Creation Date/Time:2024-02-27T15:25:12.037 TAL

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

Sample Name	Sample ID	Organism (best match)	Score Value
E9 (+++) (A)	697-90	Rhodococcus hoagii	2.48

Comments:

synonym of Rhodococcus equi



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SPECIFICATIONS: Product Name: Saccharomyces cerevisiae Catalog Number: 0699 Lot Number: 699-252** Reference Number: ATCC® 9763™* Passage from Reference: 3 Expiration Date: 2025/08/31	RELEASE INFORMATION: Quality Control Technologist: Kavitha Gobalan Release Date: 2023/10/06
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Performance

Macroscopic Features:

Medium to large, circular, dull, white to cream colonies.

Microscopic Features:

Gram positive, yeast cells, oval to spherical, spores are gram negative when present.

Medium:

SAB DEX EMMONS

Method:

Gram Stain (1)

ID System: MALDI-TOF (1)

See attached ID System results document.

Amanda Kuperus
Director of Quality Control
AUTHORIZED SIGNATURE

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Bruker Daltonik MALDI Biotyper Classification Results



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(C)	No consistency: The requirements for high or low consistency are not met.

Run Creation Date/Time: 2023-10-05T11:36:52.251 KG

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

Sample Name	Sample ID	Organism (best match)	Score Value
F12 (+++) (A)	699-252	Saccharomyces cerevisiae	2.06

Comments:

n/a