

Certificate of Analysis: Lyophilized Microorganism Specification and Performance Upon Release

Specifications

Microorganism Name: Trichoderma virens

Catalog Number: 01080 Lot Number: 1080-07

Reference Number: ATCC® 9645™*

Purity: Pure

Passage from Reference: 2

Expiration Date: 2019/8/31

Release Information:

Quality Control Technologist: Tracy A Blenker

Release Date: 2017/11/27

Performance

Macroscopic Features:

Medium: PDA

Microscopic Features:

Method:

Hyphae haline, condidophores arranged in a branching, pyramidal pattern. Lactophenol Blue (1) May have long branches with shorter branches near the tips, which branch at right angles. Chlamydospores are often present in old cultures.

Large, white to dark green, with white aerial mycelium

ID System: Charles River

See attached ID System results document.

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.

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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TESTING CERT #2655.01

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



Processing Lab: 614 Interchange Blvd. Newark, DE 19711 www.criver.com/accugenix Del-CustomerSupport@crl.com Phone: +1.302.292.8888

Accugenix® AccuGENX-ID® Report

SOP-GEN-017

(MLI2) Customer: MicroBiologics, Inc. Account: 602190

200 Cooper Avenue North, St. Cloud, MN, 56303, United States Address:

Accugenix C#: C2851493-20171124037 ID Request Form #: 293971

Customer Sample ID: 1080-07 Due Date: 2017-11-24

Accugenix Database Search Result - FuniTS

Trichoderma virens Identification:

Confidence Level: Species

Sequence Alignment

Alignment: 355 C2851493-20171124037

0.00 % 355 Trichoderma virens

1.69 % 354 Trichoderma longipile

1.69 % 354 Trichoderma spirale

1.97 % 356 Trichoderma stramineum

1.97 % 355 Trichoderma longibrachiatum

1.98 % 353 Trichoderma polysporum

2.26 % 354 Trichoderma citrinoviride

2.26 % 354 Trichoderma reesei

2.54 % 358 Trichoderma inhamatum

2.54 % 358 Trichoderma velutinum

Neighbor Joining Tree

