Microbiologics®

Certificate of Analysis: Lyophilized Microorganism Specification and Performance Upon Release

Specifications	
Microorganism Name: Bacillus cereus **Catalog Number:** 0998 **Lot Number:** 998-157 **Reference Number:** ATCC® 10876™* **Purity:** Pure **Passage from Reference:** 3	**Expiration Date:** 2018/9/30 **Release Information:** **Quality Control Technologist:** Tracy A Blenker **Release Date:** 2016/12/6

Performance

Macroscopic Features:	Medium:
Large, gray, dull, raised, colonies, which have an irregular shape and are beta hemolytic. As the culture ages, small colones may appear in the heavily streaked area making the culture appear contaminated.	SBAP
Microscopic Features:	**Method:**
Straight, gram positive rod, with an ellipsoidal or spherical, terminal endospore.	Gram Stain (1)

ID System: MALDI-TOF

See attached ID System results document.

Other Features/ Challenges: Results

Rhizoid colonies: negative

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.

ATCC Licensed Derivative®

(*) 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.

A2LA ACCREDITED
TESTING CERT #2655.01

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

Bruker Daltonik MALDI Biotyper Classification Results

Meaning of Score Values

Range	Description	Symbols	Color
2.300 … 3.000	highly probable species identification	(+++)	green
2.000 … 2.299	secure genus identification, probable species identification	(++)	green
1.700 … 1.999	probable genus identification	(+)	yellow
0.000 … 1.699	not reliable identification	(-)	red

Meaning of Consistency Categories (A – C)

Category	Description
A	**Species Consistency:** The best match was classified as 'green' (see above). Further 'green' matches are of the same species as the first one. Further 'yellow' matches are at least of the same genus as the first one.
B	**Genus Consistency:** The best match was classified as 'green' or 'yellow' (see above). Further 'green' or 'yellow' matches have at least the same genus as the first one. The conditions of species consistency are not fulfilled.
C	**No Consistency:** Neither species nor genus consistency (Please check for synonyms of names or microbial mixture).

Analyte Name: Bacillus cereus
Analyte Description: 0998
Analyte ID: 998-157
Analyte Creation Date/Time: 2016-11-30T08:08:14.103 TB
Applied MSP Library(ies): BDAL, Mycobacteria Library (bead method), Filamentous Fungi Library 1.0, IVD, Listeria
Applied Taxonomy Tree:

Analyte Name	Analyte ID	Organism (best match)	Score Value
G1(++) (A)	998-157	Bacillus cereus	2.15

Comments:

Bacillus anthracis, cereus, mycoides, pseudomycoides, thuringiensis and weihenstephanensis are closely related and members of the Bacillus cereus group. In particular Bacillus cereus spectra are very similar to spectra from Bacillus anthracis. Bacillus anthracis is not included in the MALDI Biotyper database. For differentiation an adequate identification method has to be selected by an experienced professional. The quality of spectra (score) depends on the degree of sporulation: Use fresh material.