



Certificate of Analysis: Lyophilized Microorganism Specification and Performance Upon Release

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| <b>Specifications</b><br><b>Microorganism Name:</b> Pseudomonas aeruginosa<br><b>Catalog Number:</b> 0484<br><b>Lot Number:</b> 484-876<br><b>Reference Number:</b> ATCC® 9027™*<br><b>Purity:</b> Pure<br><b>Passage from Reference:</b> 3<br><b>(7) Mean Assay Value (MAV):</b> 64 CFU per 0.1 ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>Expiration Date:</b> 2019/8/31<br><b>Release Information:</b><br><b>Quality Control Technologist:</b> Megan C Wipper<br><b>Release Date:</b> 2017/11/20                                                                                                                                                                                                                             |
| <b>Performance</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Macroscopic Features:</b><br>Large, flat, circular to irregular shaped, gray with silver sheen. A second colony type may also be present as small, round, shiny colonies.<br><b>Microscopic Features:</b><br>Straight or slightly curved gram negative rod.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <b>Medium:</b><br>SBAP<br><b>Method:</b><br>Gram Stain (1)                                                                                                                                                                                                                                                                                                                             |
| <b>ID System:</b> MALDI-TOF<br>See attached ID System results document.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <b>Other Features/ Challenges: Results</b><br>(1) Oxidase (Kovacs): positive<br>(1) Motility B Medium: positive<br>Pseudomonas P Agar: positive (blue-green color diffusing into the agar)<br>Growth at 42 C: positive<br><br><br>Amanda Kuperus<br>Quality Control Manager<br>AUTHORIZED SIGNATURE |
| <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>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.</p> <p>⚠ Refer to the enclosed product insert for instructions, intended use and hazard/safety information.</p> <p>Individual products are traceable to a recognized culture collection.</p> <div><p>REFERENCE MATERIAL PRODUCER<br/>CERT #2655.02</p></div> <div></div> <div><p>TESTING CERT #2655.01</p></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>(1) These tests are accredited to ISO/IEC 17025:2005.</div> <div>(7) The Mean Assay Value (MAV) stated above may deviate from the end-user's MAV based on variables inherent to each laboratory environment, such as methods, media type, equipment, pipettes, and individual technician technique.</div> |                                                                                                                                                                                                                                                                                                                                                                                        |

# 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)      | <b>High consistency:</b> 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)      | <b>Low consistency:</b> 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)      | <b>No consistency:</b> The requirements for high or low consistency are not met.                                                                                                                                                                                                                                               |

Sample Name: Pseudomonas aeruginosa  
 Sample Description: 0484  
 Sample ID: 484-876  
 Sample Creation Date/Time: 2017-11-14T13:23:14.367 MW  
 Applied MSP Library(ies): BDAL, Mycobacteria Library (bead method), Filamentous Fungi Library 1.0, Listeria

| Sample Name     | Sample ID | Organism (best match)  | Score Value |
|-----------------|-----------|------------------------|-------------|
| B11<br>(+++)(A) | 484-876   | Pseudomonas aeruginosa | 2.37        |

Comments:

N/A