

***Aerococcus tenax*, Strain UMB3669**

Catalog No. NR-58630

Product Description:

Aerococcus tenax (*A. tenax*), strain UMB3669 was isolated in 2016 from a urine sample via transurethral catheter of a patient with urge urinary incontinence. *Aerococcus tenax*, strain UMB3669 was deposited to BEI Resources as sensitive to vancomycin and the type strain for *Aerococcus tenax*. NR-58630 was produced by inoculation of the deposited material into NYC III broth and grown for 1 day at 37°C in an aerobic atmosphere with 5% CO₂. Broth inoculum was added to Tryptic Soy with 5% defibrinated sheep blood agar kolles, which were grown for 1 day at 37°C in an aerobic atmosphere with 5% CO₂ to produce this lot. Quality control testing was completed under propagation conditions unless otherwise noted.

Note: The species on the label is incorrect. NR-58630 was deposited to BEI Resources as the proposed species *Aerococcus tenaxum* and was updated by the depositor to *Aerococcus tenax* due to nomenclature rules.

Lot: 70057559

Manufacturing Date: 11JAN2023

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology Hemolysis Motility (wet mount) Catalase VITEK® MS (MALDI-TOF)	Gram-positive cocci Report results α-hemolytic Report results Negative <i>A. tenax</i>	Gram-positive cocci Circular, low convex, entire, smooth and gray (Figure 1) α-hemolytic Non-motile Negative <i>A. urinae</i> (99.9%) ¹
Antibiotic Susceptibility Profile² Etest® antibiotic test strips 1 day at 35°C in an aerobic atmosphere with 5% CO ₂ on Mueller Hinton agar Vancomycin	Sensitive	0.5 µg/mL
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1490 base pairs)	≥ 99% sequence identity to <i>Aerococcus</i> sp., strain UMB3669 (GenBank: CP127382.1)	99.9% sequence identity to <i>Aerococcus</i> sp., strain UMB3669 (GenBank: CP127382.1) ³
Purity (post-freeze) 7 days at 37°C in an aerobic atmosphere with 5% CO ₂ on Tryptic Soy agar with 5% defibrinated sheep blood	Growth consistent with expected colony morphology	Growth consistent with expected colony morphology
Viability (post-freeze)	Growth	Growth

¹VITEK® MS (MALDI-TOF) was used to confirm to genus. *A. tenax*, strain UMB3669 was originally classified as *Aerococcus urinae* and updated by the depositor to proposed species *A. tenax*, which is not in the VITEK® MS (MALDI-TOF) database.

²Minimum Inhibitory Concentration (MIC). *A. tenax*, strain UMB3669 was deposited as sensitive to vancomycin. No antibiotic resistance data for this antibiotic for *A. tenax* is currently available.

³Also consistent with other *Aerococcus* species

Figure 1: Colony Morphology



/Sonia Bjorum Brower/
Sonia Bjorum Brower

Technical Manager or designee, ATCC Federal Solutions

15 AUG 2023

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

ATCC® is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.

