

***Aerococcus loyolae*, Strain UMB0080**

**Catalog No. NR-58628**

**Product Description:**

*Aerococcus loyolae* (*A. loyolae*), strain UMB0080 was isolated in 2013 from a urine sample via transurethral catheter of a patient with overactive bladder. *A. loyolae*, strain UMB0080 was deposited to BEI Resources as sensitive to vancomycin and the type strain for *A. loyolae*. NR-58628 was produced by inoculation of the deposited material into NYC III broth and grown for 2 days at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub>. 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% CO<sub>2</sub> to produce this lot.

**Note:** The species on the label is incorrect. NR-58628 was deposited to BEI Resources as the proposed species *Aerococcus loyalis* and was updated by the depositor to *Aerococcus loyolae* due to nomenclature rules.

**Lot: 70057554**

**Manufacturing Date: 12JAN2023**

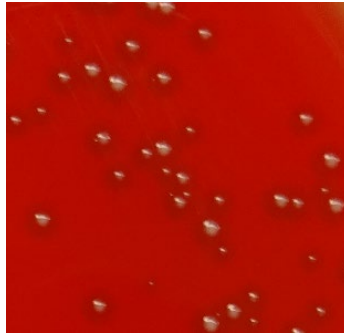
TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology 2 days at 37°C in an aerobic atmosphere with 5% CO <sub>2</sub> on Tryptic Soy agar with 5% defibrinated sheep blood Hemolysis Motility (wet mount) Catalase VITEK® MS (MALDI-TOF)	Gram-positive cocci Report results  α-hemolytic Report results Negative <i>A. loyolae</i>	Gram-positive cocci Circular, convex, entire, smooth and cream (Figure 1)  α-hemolytic Non-motile Negative <i>A. urinae</i> (99.9%) <sup>1</sup>
<b>Antibiotic Susceptibility Profile<sup>2</sup></b> Etest® antibiotic test strips 1 day at 35°C in an aerobic atmosphere with 5% CO <sub>2</sub> on Mueller Hinton agar Vancomycin	Sensitive	0.75 µg/mL
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 1430 base pairs)	≥ 99% sequence identity to <i>Aerococcus</i> sp., strain UMB0080 (GenBank: CP126958.1)	99.9% sequence identity to <i>Aerococcus</i> sp., strain UMB0080 (GenBank: CP126958.1) <sup>3</sup>
<b>Purity (post-freeze)</b> 7 days at 37°C in an aerobic atmosphere with 5% CO <sub>2</sub> on Tryptic Soy agar with 5% defibrinated sheep blood	Growth consistent with expected colony morphology	Growth consistent with expected colony morphology
<b>Viability (post-freeze)</b> 2 days at 37°C in an aerobic atmosphere with 5% CO <sub>2</sub> on Tryptic Soy agar with 5% defibrinated sheep blood	Growth	Growth

<sup>1</sup>VITEK® MS (MALDI-TOF) was used to confirm to genus. *A. loyolae*, strain UMB0080 was originally classified as *Aerococcus urinae* and updated by the depositor to proposed species *A. loyolae*, which is not in the VITEK® MS (MALDI-TOF) database.

<sup>2</sup>Minimum Inhibitory Concentration (MIC). *A. loyolae*, strain UMB0080 was deposited as sensitive to vancomycin. No antibiotic resistance data for this antibiotic for *A. loyolae* is currently available.

<sup>3</sup>Also consistent with other *Aerococcus* species

Figure 1: Colony Morphology



/Sonia Bjorum Brower/

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