SUPPORTING INFECTIOUS DISEASE RESEARCH

Enterococcus faecium, Strain E1071

Catalog No. NR-28978

Product Description:

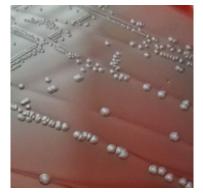
Enterococcus faecium (E. faecium), strain E1071 is a non-infectious fecal isolate collected from a hospitalized person free of enterococcal infection in the Netherlands in 2000 during a hospital surveillance program. *E. faecium*, strain E1071 is reported to be resistant to vancomycin. NR-28978 was produced by inoculation of BEI Resources seed lot 61086688 into Tryptic Soy broth and incubated for 1 day at 37°C in an aerobic atmosphere. Broth inoculum was added to Tryptic Soy agar with 5% defibrinated sheep blood kolles, which were grown for 1 day at 37°C in an aerobic atmosphere to produce this lot. Quality control testing was completed under propagation conditions unless otherwise noted.

Lot: 70061543

Manufacturing Date: 23JUN2023

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Cellular morphology	Gram-positive cocci	Gram-positive cocci
Colony morphology	Report results	Circular, low convex, entire, smooth and gray (Figure 1)
Motility (wet mount)	Report results	Non-motile
Hemolysis	Non-hemolytic or α-hemolytic	α-hemolytic
Catalase	Report results	Negative
VITEK [®] MS (MALDI-TOF)	E. faecium	E. faecium (99.9%)
Genotypic Analysis		
Sequencing of 16S ribosomal RNA gene (~ 1460 base pairs)	≥ 99% sequence identity to <i>E. faecium</i> , strain E1071 (GenBank: ABQI01000018.1)	99.9% sequence identity to <i>E. faecium</i> , strain E1071 (GenBank: ABQI01000018.1)
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

Figure 1: Colony Morphology



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Certificate of Analysis for NR-28978

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/Sonia Bjorum Brower/

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Technical Manager or designee, ATCC Federal Solutions

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