

Enterococcus faecalis, Strain SF28073
Catalog No. NR-31972
Product Description:

Enterococcus faecalis (*E. faecalis*), strain SF28073 was isolated in 2003 from a human urine sample obtained in Michigan, USA. It is reported to be resistant to erythromycin, gentamicin and vancomycin. NR-31972 lot 70038174 was produced by inoculation of BEI Resources seed lot 61956017 into Brain Heart Infusion broth and grown for 1 day at 37°C in an aerobic atmosphere. Broth inoculum was added to Brain Heart Infusion agar 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: 70038174
Manufacturing Date: 27AUG2020

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology Hemolysis 1 day at 37°C in an aerobic atmosphere with and without 5% CO ₂ on Tryptic Soy agar with 5% defibrinated sheep blood Motility (wet mount) VITEK® MS (MALDI-TOF)	Gram-positive cocci Report results Non-hemolytic or α-hemolytic Report results <i>E. faecalis</i>	Gram-positive cocci Circular, convex, entire, smooth and cream (Figure 1) Non-hemolytic Non-motile <i>E. faecalis</i> (99.9%)
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1500 base pairs)	≥ 99% sequence identity to <i>E. faecalis</i> , strain SF28073 (GenBank: AJBC01000021.1)	99.9% sequence identity to <i>E. faecalis</i> , strain SF28073 (GenBank: AJBC01000021.1)
Purity (post-freeze) 7 days at 37°C in an aerobic atmosphere with and without 5% CO ₂ on Tryptic Soy agar with 5% defibrinated sheep blood 7 days at 37°C in an aerobic atmosphere with and without 5% CO ₂ on Brain Heart Infusion agar	Growth consistent with expected colony morphology Growth consistent with expected colony morphology	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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