

Enterococcus faecalis, Strain SF105

Catalog No. NR-31988

Product Description:

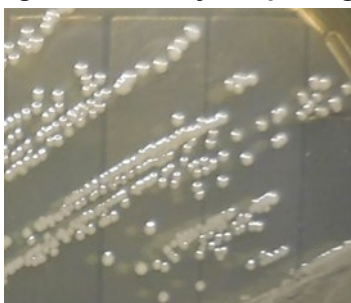
Enterococcus faecalis (*E. faecalis*), strain SF105 is a clinical isolate collected in the mid-1980s in California, USA. The strain has shown to be resistant to gentamicin and streptomycin. BEI Resources lot 61913298 was inoculated into Brain Heart Infusion broth and grown for 1 day at 37°C in an aerobic atmosphere. Broth inoculum was added to Tryptic Soy agar with 5% defibrinated sheep blood, which was grown for 1 day at 37°C in an aerobic atmosphere, and the resulting subculture was vialled and frozen. NR-31988 was produced by inoculation of the frozen subculture into Tryptic Soy 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 under propagation conditions to produce this lot. Quality control testing was completed under propagation conditions unless otherwise noted.

Lot: 70071005

Manufacturing Date: 27SEP2024

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology Motility (wet mount) Hemolysis VITEK® MS (MALDI-TOF)	Gram-positive cocci Report results Report results Non-hemolytic or α-hemolytic <i>E. faecalis</i>	Gram-positive cocci Circular, convex, entire, smooth and cream (Figure 1) Non-motile α-hemolytic <i>E. faecalis</i> (99.9%)
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1420 base pairs)	≥ 99% sequence identity to <i>E. faecalis</i> , strain SF105 (GenBank: AJEE01000014.1)	100% sequence identity to <i>E. faecalis</i> , strain SF105 (GenBank: AJEE01000014.1)
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



/Sonia Bjorum Brower/

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21 JUL 2025

Technical Manager or designee, ATCC Federal Solutions

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