

Enterococcus faecium, Strain E0269
Catalog No. NR-31916

Product Description: *Enterococcus faecium* (*E. faecium*), strain E0269 was isolated in 1996 from turkey feces in the Netherlands. Strain E0269 is reported to be resistant to gentamicin and vancomycin.

Lot¹: 70016189
Manufacturing Date: 14JUN2018

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ² Hemolysis ² Motility (wet mount) VITEK® MS (MALDI-TOF)	Gram-positive cocci Report results α-hemolytic Report results <i>E. faecium</i>	Gram-positive cocci Circular, low convex, entire, smooth and gray (Figure 1) α-hemolytic Non-motile <i>E. faecium</i> (99.9%)
Antibiotic Susceptibility Profile³ VITEK® (AST-GP78 card) Ciprofloxacin Levofloxacin Erythromycin Linezolid Vancomycin Tetracycline Tigecycline Nitrofurantoin Etest® antibiotic test strips ⁵ Gentamicin	Report results Report results Report results Report results Report results Report results Report results Report results Report results Report results	Sensitive (= 1 µg/mL) Sensitive (= 2 µg/mL) Intermediate (= 2 µg/mL) Sensitive (= 2 µg/mL) Resistant (≥ 32 µg/mL) Resistant (≥ 16 µg/mL) Sensitive (≤ 0.12 µg/mL) ⁴ Sensitive (= 32 µg/mL)
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1420 base pairs)	≥ 99% sequence identity to <i>E. faecium</i> , strain E0269 (GenBank: AHWK01000069.1)	100% sequence identity to <i>E. faecium</i> , strain E0269 (GenBank: AHWK01000069.1) ⁷
Purity (post-freeze)⁸	Growth consistent with expected colony morphology	Growth consistent with expected colony morphology
Viability (post-freeze)²	Growth	Growth

¹NR-31916 lot 70016189 was produced by inoculation of BEI Resources NRS-31916 lot 61956019 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.

²1 day at 37°C in an aerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

³Minimum Inhibitory Concentration (MIC); MIC Interpretation Guideline: Clinical & Laboratory Standards Institute (CLSI) M100-S28 (2018)

⁴MIC Interpretation Guideline: EUCAST Version 8.0 (2018)

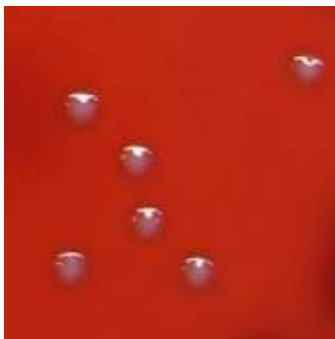
⁵1 day at 37°C in an aerobic atmosphere on Mueller Hinton agar

⁶CLSI interpretation for this organism/antibiotic combination is not currently available. *Enterococcus* species are known to have intrinsic low-level resistance to aminoglycosides with MICs between 4 µg/mL to 256 µg/mL. For additional information, please refer to Chow, J. W. "Aminoglycoside Resistance in Enterococci." *Clin. Infect. Dis.* 31 (2000): 586-589. PubMed: 10987725.

⁷Also consistent with other *Enterococcus* species

⁸Purity of this lot was assessed for 8 days at 37°C in an aerobic atmosphere with 5% CO₂ on Tryptic Soy agar with 5% defibrinated sheep blood.

Figure 1: Colony Morphology



/Heather Couch/

Heather Couch

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