

Enterococcus faecium, Strain HF50104

Catalog No. NR-32052

Product Description: *Enterococcus faecium* (*E. faecium*), strain HF50104 was isolated in 2008 from swine feces in Michigan, USA. *E. faecium*, strain HF50104 is reported to be resistant to erythromycin, tetracycline and vancomycin, and susceptible to ampicillin, ciprofloxacin, gentamicin and linezolid. Strain HF50104 does not produce β -lactamase and tested negative for the *esp* and *hyl* virulence genes.

Lot¹: 70016190

Manufacturing Date: 22JUN2018

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%)
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1500 base pairs)	\geq 99% sequence identity to <i>E. faecium</i> , strain HF50104 (GenBank: AITR01000010.1)	99.8% sequence identity to <i>E. faecium</i> , strain HF50104 (GenBank: AITR01000010.1) ³
Purity (post-freeze)⁴	Growth consistent with expected colony morphology	Growth consistent with expected colony morphology
Viability (post-freeze)²	Growth	Growth

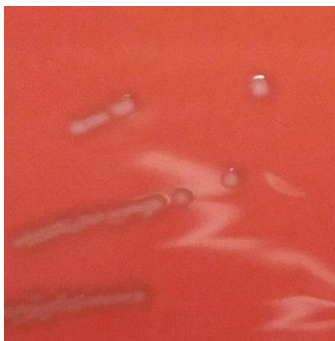
¹NR-32052 lot 70016190 was produced by inoculation of BEI Resources NRS-32052 lot 62038774 into Tryptic Soy broth and incubated for 1 day at 37°C in an aerobic atmosphere. Broth inoculum was added to Tryptic Soy agar with 5% defibrinated sheep blood kolles, which were grown for 1 day at 37°C in an aerobic atmosphere to produce this lot.

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

³Also consistent with other *Enterococcus* species

⁴Purity of this lot was assessed for 7 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/

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