

Enterococcus faecium, Strain HF50105

Catalog No. NR-32053

Product Description:

Enterococcus faecium (*E. faecium*), strain HF50105 was isolated in 2008 from swine feces in Michigan, USA. *E. faecium*, strain HF50105 is reported to be resistant to erythromycin, tetracycline and vancomycin; and susceptible to ampicillin, ciprofloxacin, gentamicin and linezolid. Strain HF50105 does not produce β -lactamase and tested negative for the *esp* and *hyl* virulence genes. NR-32053 was produced by inoculation of BEI Resources seed lot 62038773 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: 70063967

Manufacturing Date: 05OCT2023

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. faecium</i>	Gram-positive cocci Circular, convex, entire, smooth and cream (Figure 1) Non-motile α -hemolytic <i>E. faecium</i> (99.9%)
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1440 base pairs)	$\geq 99\%$ sequence identity to <i>E. faecium</i> , strain HF50105 (GenBank: AITS01000029.1)	99.8% sequence identity to <i>E. faecium</i> , strain HF50105 (GenBank: AITS01000029.1)
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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17 SEP 2024

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