

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.

Lot¹: 62038770

Manufacturing Date: 27SEP2013

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ² Hemolysis ³ Motility (wet mount) Analytical profile index (API [®] 20 Strep)	Gram-positive cocci Report results Non-hemolytic or α -hemolytic Report results Consistent with <i>E. faecium</i>	Gram-positive cocci Circular, convex, entire, smooth and cream (Figure 1) α -hemolytic Non-motile Consistent with <i>E. faecium</i>
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1480 base pairs)	Consistent with <i>E. faecium</i>	Consistent with <i>E. faecium</i> ⁴
Viability (post-freeze)²	Growth	Growth

¹*E. faecium*, strain HF50105 (also referred to as EnGen0186) was deposited by Michael S. Gilmore, Sir William Osler Professor of Ophthalmology, Department of Ophthalmology, Massachusetts Eye and Ear Infirmary, Boston, Massachusetts, USA. NR-32053 was produced by inoculation of the deposited material into Brain Heart Infusion broth and incubated for 24 hours at 37°C in an aerobic atmosphere. Broth inoculum was added to Brain Heart Infusion kolles, which were grown 24 hours at 37°C in an aerobic atmosphere to produce this lot. Purity of this lot was assessed for 7 days under propagation conditions.

²24 hours at 37°C in an aerobic atmosphere on BHI agar

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

⁴≥ 99% identical to GenBank: AITS01000007 (*E. faecium*, strain HF50105)

Figure 1



Date: 16 DEC 2013

Signature:

Title:

Technical Manager, BEI Authentication or designee

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