

Certificate of Analysis for NR-32053

Enterococcus faecium, Strain HF50105

Catalog No. NR-32053

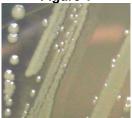
Product Description: Enterococcus faecium (E. faecium), strain HF50105 was isolated in 2008 from swine feces in Michigan, USA. E. faecium, strain HF50105 is reported to be resistant to erythromycin, tetracycline and vancomycin; and susceptible to ampicillin, ciprofloxacin, gentamicin and linezolid. Strain 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	Gram-positive cocci	Gram-positive cocci
Colony morphology ²	Report results	Circular, convex, entire, smooth and cream (Figure 1)
Hemolysis ³	Non-hemolytic or α-hemolytic	α-hemolytic
Motility (wet mount)	Report results	Non-motile
Analytical profile index (API [®] 20 Strep)	Consistent with E. faecium	Consistent with E. faecium
Genotypic Analysis		
Sequencing of 16S ribosomal RNA gene (~ 1480 base pairs)	Consistent with E. faecium	Consistent with E. faecium4
Viability (post-freeze) ²	Growth	Growth

¹E. faecium, strain HF50105 (also referred to as EnGen0186) was deposited by Michael S. Gilmore, Sir William Osler Professor of Ophthamology, Department of Ophthamology, 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.

Figure 1



Date: 16 DEC 2013

Signature:

Title: Technical Manager, BEI Authentication or designee

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

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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)