

**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  $\beta$ -lactamase and tested negative for the *esp* and *hyl* virulence genes.

**Lot<sup>1</sup>: 62038769**

**Manufacturing Date: 19SEP2013**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology <sup>2</sup>  Hemolysis <sup>2</sup> Motility (wet mount) Analytical profile index (API <sup>®</sup> 20 Strep)	Gram-positive cocci Report results  Non-hemolytic or $\alpha$ -hemolytic Report results Consistent with <i>E. faecium</i>	Gram-positive cocci Circular, low convex, entire, smooth and white (Figure 1) $\alpha$ -hemolytic Non-motile Consistent with <i>E. faecium</i>
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 890 base pairs)	Consistent with <i>E. faecium</i>	Consistent with <i>E. faecium</i> <sup>3</sup>
<b>Viability (post-freeze)<sup>2</sup></b>	Growth	Growth

<sup>1</sup>*E. faecium*, strain HF50104 (also referred to as EnGen0185) was deposited by Michael S. Gilmore, Sir William Osler Professor of Ophthalmology, Department of Ophthalmology, Massachusetts Eye and Ear Infirmary, Boston, Massachusetts, USA. NR-32052 was produced by inoculation of the deposited material into Tryptic Soy broth and incubated for 24 hours at 37°C in an aerobic atmosphere. Broth inoculum was added to Tryptic Soy agar with 5% defibrinated sheep blood 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.

<sup>2</sup>24 hours at 37°C in an aerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

<sup>3</sup>≥ 99% identical to GenBank: AITR01000010 (*E. faecium*, strain HF50104)

**Figure 1**



/Heather Couch/  
Heather Couch

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