

Enterococcus faecium, Strain TX0133a04
Catalog No. HM-463

Product Description: *Enterococcus faecium* (*E. faecium*), strain TX0133a04, a vancomycin-sensitive derivative of the TX0133a strain, was isolated outside the inhibition zone surrounding a vancomycin Etest strip. The original TX0133a strain was isolated in Texas, USA on March 28, 2006, from the blood of a 60-year-old diabetic man with native valve endocarditis.

Lot^{1,2}: 70010077
Manufacturing Date: 06DEC2017

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ³ Motility (wet mount) VITEK® MS (MALDI-TOF)	Gram-positive cocci Report results Report results <i>E. faecium</i>	Gram-positive cocci Circular, convex, entire, smooth and white (Figure 1) Non-motile <i>E. faecium</i> (99.9%)
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 700 base pairs)	≥ 99% sequence identity to <i>E. faecium</i> , strain TX0133a04 (GenBank: AEBC01000042.1 and AEBC01000058.1)	100% sequence identity to <i>E. faecium</i> , strain TX0133a04 (GenBank: AEBC01000042.1 and AEBC01000058.1) ⁴
Purity (post-freeze)⁵	Consistent with expected colony morphology	Consistent with expected colony morphology
Viability (post-freeze)³	Growth	Growth

¹Quality control of HMP material is only performed to demonstrate that the material distributed by BEI Resources is identical to the deposited material. It should not be considered a complete characterization of the deposited organism.

²*E. faecium*, strain TX0133a04 was deposited by Cesar A. Arias, M.D., Ph.D., Assistant Professor of Medicine, Department of Internal Medicine, The University of Texas Health Science Center at Houston, Houston, Texas, USA. HM-463 lot 70010077 was produced by inoculation of BEI Resources HMS-463 lot 60609324 into Brain Heart Infusion broth and incubated for 1 day at 37°C in an aerobic atmosphere with 5% CO₂. Broth inoculum was added to Tryptic Soy agar with 5% defibrinated sheep blood kolles, which were grown 1 day at 37°C in an aerobic atmosphere with 5% CO₂ to produce this lot.

³1 day at 37°C in an aerobic atmosphere with 5% CO₂ on Tryptic Soy agar with 5% defibrinated sheep blood

⁴Also consistent with other *Enterococcus* species

⁵Purity of this lot was assessed for 9 days at 37°C in an aerobic atmosphere with 5% CO₂ on Tryptic Soy agar with 5% defibrinated sheep blood.

Figure 1: Colony Morphology


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Program Manager or designee, ATCC Federal Solutions

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