

Certificate of Analysis for HM-965

Enterococcus faecium, Strain E417

Catalog No. HM-965

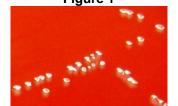
Product Description: Enterococcus faecium (E. faecium), strain E417 was isolated from human blood in Ecuador, 2006.

Lot^{1,2}: 62432862 Manufacturing Date: 12MAR2014

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Cellular morphology	Gram-positive cocci	Gram-positive cocci
Colony morphology (aerobic with 5% CO ₂) ^{3,4}	Report results	Circular, slightly peaked, entire, smooth and white (Figure 1)
Hemolysis on blood agar ³	Non-hemolytic or α-hemolytic	α-hemolytic
Motility (wet mount)	Report results	Non-motile
Genotypic Analysis		
Sequencing of 16S ribosomal RNA gene (~ 840 base pairs)	≥ 99% identical to GenBank: AMBA01000028 (<i>E. faecium</i> , strain E417)	≥ 99% identical to GenBank: AMBA01000028 (<i>E. faecium</i> , strain E417)
Viability (post-freeze) ³	Growth	Growth

Quality 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.

⁴Aerobic with 5% CO₂ and anaerobic colony types were observed when HM-965 was grown on Tryptic Soy agar with 5% defibrinated sheep blood for 24 hours. The 16S ribosomal RNA gene of each colony type was sequenced and found to be consistent with *E. faecium*, strain E417.



Date: 28 MAY 2014

Signature:

Title: Technical Manager, BEI Authentication or designee

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²E. faecium, strain E417 was deposited by Cesar A. Arias, Assistant Professor of Medicine, Department of Internal Medicine, The University of Texas Health Science Center at Houston, Houston, Texas, USA. The deposited material was inoculated into Brain Heart Infusion broth and incubated for 24 hours at 37°C in an aerobic atmosphere with 5% CO₂ and passaged 3 times. Material from the passage 3 was added to Tryptic Soy agar kolles with 5% defibrinated sheep blood which were grown 24 hours at 37°C in an aerobic atmosphere with 5% CO₂ to produce this lot. Purity of this lot was assessed for 7 days under propagation conditions.

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