

**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<sup>1,2</sup>: 62432862**

**Manufacturing Date: 12MAR2014**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology (aerobic with 5% CO <sub>2</sub> ) <sup>3,4</sup>  Hemolysis on blood agar <sup>3</sup> Motility (wet mount)	Gram-positive cocci Report results  Non-hemolytic or α-hemolytic Report results	Gram-positive cocci Circular, slightly peaked, entire, smooth and white (Figure 1) α-hemolytic Non-motile
<b>Genotypic Analysis</b> 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)
<b>Viability (post-freeze)<sup>3</sup></b>	Growth	Growth

<sup>1</sup>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.

<sup>2</sup>*E. 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% CO<sub>2</sub> 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% CO<sub>2</sub> to produce this lot. Purity of this lot was assessed for 7 days under propagation conditions.

<sup>3</sup>24 hours at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub> on Tryptic Soy agar with 5% defibrinated sheep blood

<sup>4</sup>Aerobic with 5% CO<sub>2</sub> 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.

**Figure 1**



**Date:** 28 MAY 2014

**Signature:**

**Title:** Technical Manager, BEI Authentication or designee

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