

**Enterococcus faecium, Strain 513**

**Catalog No. HM-959**

**Product Description:** *Enterococcus faecium* (*E. faecium*), strain 513 is a human isolate from the United States.

**Lot<sup>1,2</sup>: 62057201**

**Manufacturing Date: 26SEP2013**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology (aerobic) <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, convex, entire, smooth and gray (Figure 1) α-hemolytic Non-motile
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 770 base pairs)	≥ 99% identical to GenBank: AMBG01000057 ( <i>E. faecium</i> , strain 513)	≥ 99% identical to GenBank: AMBG01000057 ( <i>E. faecium</i> , strain 513)
<b>Viability (post-freeze)<sup>3</sup></b>	Growth	Growth

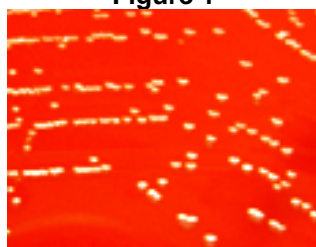
<sup>1</sup>Quality control of HMP material is only performed to demonstrate that the material distributed by BEI Resources is identical to the deposited material. It should not be considered a complete characterization of the deposited organism.

<sup>2</sup>*E. faecium*, strain 513 (also referred to as strain 2740305) 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. The deposited material was inoculated into Tryptic Soy broth and incubated for 26 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>3</sup>22 hours at 37°C in an aerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

<sup>4</sup>Aerobic, aerobic with 5% CO<sub>2</sub>, and anaerobic colony types were observed when HM-959 was grown on Tryptic Soy agar with 5% defibrinated sheep blood for 22 hours. The 16S ribosomal RNA gene of each colony type was sequenced and all colonies were consistent with *E. faecium*, strain 518.

**Figure 1**



**Date:** 11 APR 2014

**Signature:**

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

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