b|e|i RESOURCES
SUPPORTING INFECTIOUS DISEASE RESEARCH

Certificate of Analysis for HM-934

Enterococcus faecalis, Strain ERV103

Catalog No. HM-934

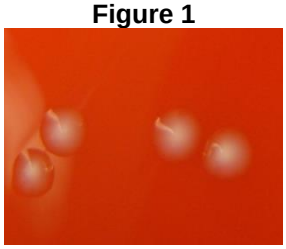
Product Description: *Enterococcus faecalis* (*E. faecalis*), strain ERV103 is a clinical isolate from a human secretion in Bogota, Colombia, in 2006.

Lot[1,2]: 61859906 **Manufacturing Date: 12JUL2013**

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Cellular morphology	Gram-positive cocci	Gram-positive cocci
Colony morphology[3,4]	Report results	Circular, slight peaked, entire, smooth and gray (Figure 1)
Hemolysis on blood agar[3]	Non-hemolytic or α-hemolytic	Non-hemolytic
Motility (wet-mount)	Report results	Non-motile
Genotypic Analysis		
Sequencing of 16S ribosomal RNA gene (~ 1510 base pairs)	≥ 99% identical to GenBank: ALZJ01000008 (*E. faecalis,* strain ERV103)	≥ 99% identical to GenBank: ALZJ01000008 (*E. faecalis,* strain ERV103)
Viability (post-freeze)[3]	Growth	Growth

[1]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.
[2]*E. faecalis*, strain ERV103 was deposited by Cesar A. Arias, M.D., Assistant Professor of Medicine, Department of Internal Medicine, The University of Texas Health Science Center at Houston, Houston, Texas, USA. HM-934 was produced by inoculation of the deposited material into Brain Heart Infusion broth and incubated for 24 hours at 37°C in an anaerobic atmosphere (90% N_2:5% CO_2:5% H_2). Broth inoculum was added to Tryptic Soy agar with 5% defibrinated sheep blood kolles and grown 24 hours at 37°C in an aerobic atmosphere with 5% CO_2 to produce this lot. Purity of this lot was assessed for 7 days under propagation conditions.
[3]24 hours at 37°C in an aerobic atmosphere with 5% CO_2 on Tryptic Soy agar with 5% defibrinated sheep blood
[4]Colonies were observed under anaerobic and aerobic with 5% CO_2 atmospheric conditions when HM-934 was grown on Tryptic Soy agar with 5% defibrinated sheep blood for 24 hours. The 16S gene of each colony type was sequenced, the sequence of both colonies were >99% identical and were consistent with *E. faecalis*. *E. faecalis* is a facultative anaerobe and the presence of growth in an aerobic atmosphere with 5% CO_2 is not unexpected.

Figure 1



Date: 06 DEC 2013 **Signature:**

Title: Technical Manager, BEI Authentication or designee

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