b|e|i RESOURCES
SUPPORTING INFECTIOUS DISEASE RESEARCH

# Certificate of Analysis for HM-968

## *Enterococcus faecium*, Strain ERV102

## Catalog No. HM-968

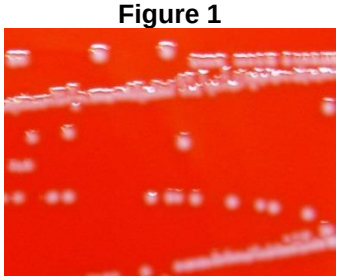
**Product Description:** *Enterococcus faecium* (*E. faecium*), strain ERV102 was isolated from human oral sputum collected in Colombia, 2006.

**Lot[1,2]: 62057203** **Manufacturing Date: 04OCT2013**

| TEST | SPECIFICATIONS | RESULTS |
|---|---|---|
| **Phenotypic Analysis** | | |
| Cellular morphology | Gram-positive cocci | Gram-positive cocci |
| Colony morphology[3,4] | Report results | Circular, convex, entire, smooth and gray (Figure 1) |
| Hemolysis on blood agar[3] | Non-hemolytic or α-hemolytic | α-hemolytic |
| **Genotypic Analysis** | | |
| Sequencing of 16S ribosomal RNA gene (~ 1460 base pairs) | ≥ 99% identical to GenBank: AMAX01000031 (*E. faecium*, strain ERV102) | ≥ 99% identical to GenBank: AMAX01000031 (*E. faecium*, strain ERV102) |
| **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. faecium*, strain ERV102 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. HM-968 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. 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 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]Anaerobic, aerobic with 5% $CO_2$, and aerobic colony types were observed when HM-968 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 all colonies were consistent with *E. faecium*.

**Figure 1**



**Date:** 18 FEB 2014 **Signature:**

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

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.



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