b|e|i RESOURCES
SUPPORTING INFECTIOUS DISEASE RESEARCH

Certificate of Analysis for HM-51

Enterococcus faecalis, Strain TUSoD Ef11

Catalog No. HM-51

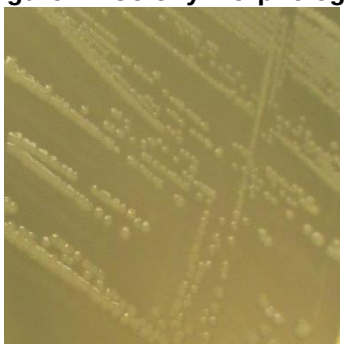
Product Description: *Enterococcus faecalis* (*E. faecalis*), strain TUSoD Ef11 was isolated on January 19, 2005, from an infected dental root canal of a patient with periapical periodontitis in Philadelphia, Pennsylvania, USA.

Lot[1,2]: 0002012 **Manufacturing Date: 06OCT2016**

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Cellular morphology	Gram-positive cocci	Gram-positive cocci
Colony morphology[3]	Report results	Circular, convex, entire, smooth and cream (Figure 1)
Motility[4]	Non-motile	Motile[5]
VITEK® MS (MALDI-TOF)	*E. faecalis*	*E. faecalis* (99.9%)
Genotypic Analysis		
Sequencing of 16S ribosomal RNA gene (~ 1490 base pairs)	≥ 99% sequence identity to *E. faecalis*, strain TUSoD Ef11 (GenBank: ACOX02000009.1)	99.9% sequence identity to *E. faecalis*, strain TUSoD Ef11 (GenBank: ACOX02000009.1)
Purity (post-freeze)[6]	Consistent with expected colony morphology	Consistent with expected colony morphology
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 TUSoD Ef11 was deposited by Roy H. Stevens, D.D.S., M.S., Professor and Chairman, Department of Endodontology, Kornberg School of Dentistry, Temple University, Philadelphia, Pennsylvania, USA. HM-51 was produced by the inoculation of BEI Resources HMS-51 (Lot: 59476590) into Tryptic Soy broth and incubated for 1 day at 37°C in an aerobic atmosphere. Broth inoculum was added to Tryptic Soy agar kolles which were grown 1 day at 37°C in an aerobic atmosphere to produce this lot.
[3]1 day at 37°C in an aerobic atmosphere on Tryptic Soy agar
[4]Motility test performed on Remel™ Motility Test Medium with TTC Indicator for 1 day at 37°C in an aerobic atmosphere
[5]*E. faecalis* is a non-motile bacterium. *E. faecalis*, strain TUSoD Ef11 appeared non-motile by wet mount but motile when grown in motility media. For additional information, please refer to Van Horn, K., et al. "Evaluation of 15 Motility Media and a Direct Microscopic Method for Detection of Motility in *Enterococci*." J. Clin. Microbiol. 40 (2002): 2476-2479. PubMed: 12089265.
[6]Purity of this lot was assessed for 7 days at 37°C in an aerobic atmosphere on Tryptic Soy agar.

Figure 1: Colony Morphology



BEI Resources
www.beiresources.org
E-mail: contact@beiresources.org
Tel: 800-359-7370
Fax: 703-365-2898

Certificate of Analysis for HM-51

Date: 08 FEB 2017 **Signature:**

BEI Resources Authentication

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.

BEI Resources
www.beiresources.org

E-mail: contact@beiresources.org
Tel: 800-359-7370
Fax: 703-365-2898