

Enterococcus faecalis, Strain MMH594

Catalog No. NR-31975

This reagent is the tangible property of the U.S. Government.

Product Description:

Enterococcus faecalis (*E. faecalis*), strain MMH594 was isolated in 1985 from the blood of a patient with bacteremia in Wisconsin, USA. It is reported to be resistant to erythromycin and gentamicin. NR-31975 lot 70046284 was produced by the inoculation of BEI Resources seed lot 62038766 into Brain Heart Infusion broth and grown for 1 day at 37°C in an aerobic atmosphere. Broth inoculum was added to Brain Heart Infusion agar kolles, which were grown for 1 day at 37°C in an aerobic atmosphere to produce this lot. Quality control testing was completed under propagation conditions unless otherwise noted.

Lot: 70046284

Manufacturing Date: 05AUG2021

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology Hemolysis 1 day at 37°C in an aerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood Motility BBL™ Motility test medium w/TTC Indicator for 1 day at 37°C in an aerobic atmosphere VITEK® MS (MALDI-TOF)	Gram-positive cocci Report results Non-hemolytic or α-hemolytic Report results <i>E. faecalis</i>	Gram-positive cocci Circular, convex, entire, smooth and cream (Figure 1) Non-hemolytic Motile ¹ <i>E. faecalis</i> (99.9%)
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 990 base pairs)	≥ 99% sequence identity to <i>E. faecalis</i> , strain MMH594 (GenBank: AJDZ01000003.1)	100% sequence identity to <i>E. faecalis</i> , strain MMH594 (GenBank: AJDZ01000003.1)
Purity (post-freeze) 7 days at 37°C in an aerobic atmosphere with and without 5% CO ₂ on Tryptic Soy agar with 5% defibrinated sheep blood 7 days at 37°C in an aerobic atmosphere without 5% CO ₂ on Brain Heart Infusion agar	Growth consistent with expected colony morphology Growth consistent with expected colony morphology	Growth consistent with expected colony morphology Growth consistent with expected colony morphology
Viability (post-freeze)	Growth	Growth

¹*E. faecalis* is usually non-motile, but some strains are motile. For additional information, please refer to Schleifer, K. H. and R. Kilpper-Bälz. "Transfer of *Streptococcus faecalis* and *Streptococcus faecium* to the Genus *Enterococcus* nom. rev. as *Enterococcus faecalis* comb. nov. and *Enterococcus faecium* comb. nov." *Int. J. Syst. Bacteriol.* 34 (1984): 31-34.

Figure 1: Colony Morphology



/Heather Couch/

Heather Couch

02 MAR 2022

Program Manager or designee, ATCC Federal Solutions

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.

ATCC® is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.

