Enterococcus faecalis, Strain ERV62

Catalog No. HM-941

For research use only. Not for human use.

Contributor:
Cesar A. Arias, M.D., Ph.D., Assistant Professor of Medicine, Department of Internal Medicine, The University of Texas Health Science Center at Houston, Houston, Texas, USA

Manufacturer:
BEI Resources

Product Description:
Bacteria Classification: Enterococcaceae, Enterococcus
Species: Enterococcus faecalis
Strain: ERV62
Original Source: Enterococcus faecalis (E. faecalis), strain ERV62 was isolated from an abscess of a patient in Bogotá, Colombia.1,2
Comments: E. faecalis, strain ERV62 (HMP_ID_1335) is reported to be susceptible to ampicillin but displays resistance to vancomycin and high-level resistance to gentamicin and streptomycin.2 It is a reference genome for The Human Microbiome Project (HMP). HMP is an initiative to identify and characterize human microbial flora. The complete genome of E. faecalis, strain ERV62 was sequenced at the Genome Institute at Washington University (GenBank: ALZ00000000).

Note: HMP material is taxonomically classified by the depositor. Quality control of these materials is only performed to demonstrate that the material distributed by BEI Resources is identical to the deposited material.

E. faecalis is a Gram-positive, facultatively anaerobic coccus that is a commensal inhabitant of the gastrointestinal and female genital tract.3,4 It is also the most frequently isolated species, often as a mono-infection, from root canals of endodontically treated teeth with persistent apical periodontitis.5 E. faecalis is an opportunistic pathogen and has become a serious concern in hospitals because of its inherent hardiness and high levels of antibiotic resistance.6 Virulent strains often express a cytolysin toxin that is encoded on various mobile genetic elements, pathogenicity islands, and conjugal plasmids.7

Material Provided:
Each vial contains approximately 0.5 mL of bacterial culture in Tryptic Soy broth supplemented with 10% glycerol.

Note: If homogeneity is required for your intended use, please purify prior to initiating work.

Packaging/Storage:
HM-941 was packaged aseptically in cryovials. The product is provided frozen and should be stored at -60°C or colder immediately upon arrival. For long-term storage, the vapor phase of a liquid nitrogen freezer is recommended. Freeze-thaw cycles should be avoided.

Growth Conditions:

Media:
Tryptic Soy broth or Brain Heart Infusion broth or equivalent

Tryptic Soy agar with 5% defibrinated sheep blood or Brain Heart Infusion agar or equivalent

Incubation:
Temperature: 35 to 37°C
Atmosphere: Aerobic (with or without 5% CO₂) or anaerobic

Propagation:
1. Keep vial until ready for use, then thaw.
2. Transfer the entire thawed aliquot into a single tube of broth.
3. Use several drops of the suspension to inoculate an agar slant and/or plate.
4. Incubate tube, slant and/or plate for 24 hours.

Citation:
Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH as part of the Human Microbiome Project: Enterococcus faecalis, Strain ERV62, HM-941.”

Biosafety Level: 2


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References:

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