Enterococcus faecalis, Strain B4008

Catalog No. NR-31888

For research use only. Not for human use.

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Manufacturer:
BEI Resources

Product Description:
Bacteria Classification: Enterococcaceae, Enterococcus
Species: Enterococcus faecalis
Strain: B4008
Original Source: Enterococcus faecalis (E. faecalis), strain B4008 is an infectious clinical isolate collected from human blood in 1987 in the United States.
Comments: E. faecalis, strain B4008 is a cytolytic isolate that shows high-level resistance to gentamicin. The complete genome of E. faecalis, strain B4008 has been sequenced (GenBank: A1RK00000000).

E. faecalis is a Gram-positive, facultatively anaerobic coccus that is a commensal inhabitant of the gastrointestinal and female genital tract. It is also the most frequently isolated species, often as a mono-infection, from root canals of endodontically treated teeth with persistent apical periodontitis. 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. Virulent strains often express a cytolysin toxin that is encoded on various mobile genetic elements, pathogenicity islands, and conjugative plasmids.

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

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

Packaging/Storage:
NR-31888 was packaged aseptically, in screw-capped plastic 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:
Note: Specific growth conditions are reported on the Certificate of Analysis for each lot.
Media: Tryptic Soy broth, Brain Heart Infusion broth or equivalent

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

Propagation:
1. Keep vial frozen 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: Enterococcus faecalis, Strain B4008, NR-31888."

Biosafety Level: 2

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References:

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