**Enterococcus faecalis**, Strain B3196

**Catalog No. NR-31885**

For research use only. Not for human use.

**Contributor:**
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**Manufacturer:**
BEI Resources

**Product Description:**

**Bacteria Classification:** Enterococccaeae, Enterococcus

**Species:** Enterococcus faecalis

**Strain:** B3196

**Original Source:** Enterococcus faecalis (E. faecalis), strain B3196 was isolated in the USA from human blood in 1987.

**Comments:** E. faecalis, strain B3196 is a cytolytic isolate that shows high-level resistance to gentamycin. The complete genome of E. faecalis, strain B3196 has been sequenced (GenBank: AIRH00000000).

**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 monoinfection, 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-31885 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:** Lot-specific growth conditions are indicated on the Certificate of Analysis.

**Media:**
Tryptic Soy broth or Brain Heart Infusion broth or equivalent Tryptic Soy agar or 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 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 the tube, slant and/or plate at 37°C for 24 hours.

**Citation:**

Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Enterococcus faecalis, Strain B3196, NR-31885."

**Biosafety Level:** 2


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References:

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