**Enterococcus faecalis, Strain TX1322**

**Catalog No. HM-202**

For research use only. Not for human use.

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

**Product Description:**

**Bacteria Classification:** Enterococcaceae, Enterococcus

**Species:** Enterococcus faecalis

**Strain:** TX1322

**Original Source:** Enterococcus faecalis (E. faecalis), strain TX1322 was isolated in 1994 from the feces of a community volunteer in Texas, USA.¹ ²

**Comments:** *E. faecalis*, strain TX1322 (HMP ID 0349) is reported to be resistant to kanamycin.¹ This strain 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 TX1322 was sequenced at the Human Genome Sequencing Center at the Baylor College of Medicine (GenBank: ACGM00000000).¹

**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 inhabits the gastrointestinal and female genital tract. It is a frequently isolated species from root canals of teeth with persistent apical periodontitis.¹ ² *E. faecalis* is an opportunistic pathogen and has become a serious concern in hospitals because of its inherent hardness and antibiotic resistance. The bacterium produces a cytolysin toxin that is encoded on various mobile genetic elements, pathogenicity islands and conjugative plasmids.³

**Material Provided:**

Each vial contains approximately 0.5 mL of bacterial culture in Brain Heart Infusion broth supplemented with 10% glycerol.

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

**Packaging/Storage:**

HM-202 was packaged aseptically in cryovials. The product is provided frozen and should be stored at -80°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:**

Brain Heart Infusion broth or equivalent

Tryptic Soy agar with 5% defibrinated sheep blood or equivalent

**Incubation:**

Temperature: 37°C

Atmosphere: Aerobic

**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 thawed suspension to inoculate an agar slant and/or plate.
4. Incubate the tube, slant and/or plate at 37°C for 1 to 3 days.

**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 TX1322, HM-202." (HMP ID 0349) is reported to be resistant to kanamycin.

**Biosafety Level:**

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**Disclaimers:**

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References:
1. Murray, B. E., Personal Communication.
2. HMP ID 0349 (E. faecalis, strain TX1322)

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