**Enterococcus faecalis**, Strain HH22

Catalog No. HM-200

For research use only. Not for human use.

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

**Product Description:**

**Bacteria Classification:** Enterococccaceae, Enterococcus

**Species:** Enterococcus faecalis

**Strain:** HH22 (also referred to as TX0921 and EnGen0297)

**Original Source:** Enterococcus faecalis (E. faecalis), strain HH22 was isolated in July 1981 from a clinical specimen submitted to the microbiology laboratory of Hermann Hospital in Houston, Texas, USA.¹ ²

**Comments:** E. faecalis, HH22 (HMP ID 0346) is reported to be the first known beta-lactamase producing isolate and resistant to gentamicin.¹ This strain is a reference genome for The Human Microbiome Project (HMP). HMP is an initiative to identify and characterize human microbial flora. E. faecalis HH22 was sequenced at the Human Genome Sequencing Center at Baylor College of Medicine (GenBank: ACX00000000).

**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 cocc that inhabits 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.³ 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.⁴

**Material Provided:**

Each vial of lot 60190300 contains approximately 0.5 mL of bacterial culture in Brain Heart Infusion broth supplemented with 10% glycerol. Each vial of lot 64498968 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-200 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 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 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 as part of the Human Microbiome Project: Enterococcus faecalis, Strain HH22, HM-200."

**Biosafety Level:** 2


**Disclaimers:**

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**References:**

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