

***Corynebacterium tuscaniense*, Strain DNF00037**

Catalog No. HM-1153

For research use only. Not for use in humans.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Bacteria Classification: *Corynebacteriaceae*, *Corynebacterium*

Species: *Corynebacterium tuscaniense*

Strain: DNF00037

Original Source: *Corynebacterium tuscaniense* (*C. tuscaniense*), strain DNF00037 was isolated in 2011 from vaginal fluid collected from a female in the United States.^{1,2}

Comments: *C. tuscaniense*, strain DNF00037 ([HMP ID 2129](#)) 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 *C. tuscaniense*, strain DNF00037 was sequenced at the [J. Craig Venter Institute](#) (GenBank: [JRNG00000000](#)).

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.

C. tuscaniense is a non-motile, non-sporulating, Gram-positive, aerobic or facultatively anaerobic, rod-shaped bacterium that has been isolated from human blood. Little is known of the pathology of *C. tuscaniense*, but it has been isolated from a patient with infective endocarditis.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-1153 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:

Brain Heart Infusion broth or equivalent

Tryptic Soy agar with 5% defibrinated sheep blood or equivalent

Incubation:

Temperature: 37°C

Atmosphere: Aerobic or aerobic with 5% CO₂

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 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: *Corynebacterium tuscaniense*, Strain DNF00037, HM-1153."

Biosafety Level: 2

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. [Biosafety in Microbiological and Biomedical Laboratories \(BMBL\)](#), 6th ed. Washington, DC: U.S. Government Printing Office, 2020.

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References:

1. Fredricks, D. N., Personal Communication.
2. *Corynebacterium tuscaniense*, Strain DNF00037 16S ribosomal RNA gene, partial sequence (GenBank: [KF280284](#)).
3. Riegel, P., et al. "Isolation of *Corynebacterium tuscaniae* sp. nov. from Blood Cultures of a Patient with Endocarditis." *J. Clin. Microbiol.* 44 (2006): 307-312. PubMed: 16455875.

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