

Product Information Sheet for HM-471

Prevotella histicola, Strain F0411

Catalog No. HM-471

For research use only. Not for human use.

Contributor:

Jacques Izard, Assistant Member of the Staff, Department of Molecular Genetics, The Forsyth Institute, Boston, Massachusetts

Manufacturer:

BEI Resources

Product Description:

Bacteria Classification: *Prevotellaceae*, *Prevotella*

Species: *Prevotella histicola*

Strain: F0411

Original Source: *Prevotella histicola* (*P. histicola*), strain F0411 was isolated in 2007 from molar tooth dental plaque of a 3-year-old female patient with caries in the United States.^{1,2}

Comments: *P. histicola*, strain F0411 ([HMP ID 9138](#)) 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 *P. histicola*, strain F0411 was sequenced at the [Broad Institute](#) (GenBank: [AFXP00000000](#)).

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.

P. histicola is a Gram-negative, obligately anaerobic, rod-shaped bacterium typically found in the mucosal tissue of the human oral cavity.³

Material Provided:

Each vial contains approximately 0.5 mL of bacterial culture in 0.5X Modified Chopped Meat Medium supplemented with 10% glycerol.

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

Packaging/Storage:

HM-471 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:

Modified Chopped Meat Medium ([ATCC medium 1490](#)) or

equivalent

Tryptic Soy Agar with 5% sheep blood or equivalent

Incubation:

Temperature: 37°C

Atmosphere: Anaerobic (80% N₂:10% CO₂:10% H₂)

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 72 to 96 hours.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH as part of the Human Microbiome Project: *Prevotella histicola*, Strain F0411, HM-471."

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](#). 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

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References:

1. Jacques Izard, personal communication
2. [HMP ID 9138](#) (*Prevotella histicola*, strain F0411)
3. Downes, J., et al. "*Prevotella histicola* sp. nov., Isolated from the Human Oral Cavity." *Int. J. Syst. Evol. Microbiol.* 58 (2008): 1788-1791. PubMed: 18676457.

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