

Product Information Sheet for HM-1174

Prevotella buccalis, Strain DNF00985

Catalog No. HM-1174

For research use only. Not for use in humans.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Bacteria Classification: *Prevotellaceae*, *Prevotella*

Species: *Prevotella buccalis*

Strain: DNF00985

Original Source: *Prevotella buccalis* (*P. buccalis*), strain DNF00985 was isolated in 2011, from vaginal fluid collected from a human subject with bacterial vaginosis, in USA.^{1,2}

Comments: *P. buccalis*, strain DNF00985 ([HMP ID 2140](#)) 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. buccalis*, strain DNF00985 was sequenced at the [J. Craig Venter Institute](#) (GenBank: [JRN01000000](#)).

P. buccalis is a Gram-negative, anaerobic, rod-shaped bacterium commonly found in oral, upper respiratory tract and vaginal flora.³ Abundance of *P. buccalis* is reported to be associated with cervical cancer and asthma.^{4,5}

Material Provided:

Each vial contains approximately 0.5 mL of bacterial culture in Modified Chopped Meat medium supplemented with 5% DMSO.

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

Packaging/Storage:

HM-1174 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 or equivalent

Tryptic Soy Agar with 5% defibrinated sheep blood or equivalent

Incubation:

Temperature: 37°C

Atmosphere: 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 2 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: *Prevotella buccalis*, Strain DNF00985, HM-1174."

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. [HMP 2140](#) (*Prevotella buccalis*, strain DNF00985)
3. Shah, H. N. and D. M. Collins. "Prevotella, a New Genus to Include *Bacteroides melaninogenicus* and Related Species Formerly Classified in the Genus *Bacteroides*." *Int. J. Syst. Bacteriol.* 40 (1990): 205-208. PubMed: 2223612.
4. So, K.A., et al. "Changes of Vaginal Microbiota during Cervical Carcinogenesis in Women with Human Papillomavirus Infection." *PloS. One.* 15 (2020): 10.1371/journal.pone.0238705. PubMed: 32941440.
5. Fazlollahi, M., et al. "The Nasal Microbiome in Asthma." *J. Allergy. Clin. Immunol.* 142 (2018): 834-843. PubMed: 29518419.

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