

Product Information Sheet for HM-1171

Prevotella disiens, Strain DNF00882

Catalog No. HM-1171

For research use only. Not for human use.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Bacteria Classification: *Prevotellaceae*, *Prevotella*

Species: *Prevotella disiens*

Strain: DNF00882

Original Source: *Prevotella disiens* (*P. disiens*), strain DNF00882 was isolated on October 17, 2011, from vaginal fluid collected from a woman that tested positive for bacterial vaginosis in the United States.^{1,2}

Comments: *P. disiens*, strain DNF00882 ([HMP ID 0654](#)) 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. disiens*, strain DNF00882 was sequenced at the [J. Craig Venter Institute](#) (GenBank: [JRNRR00000000](#)).

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. disiens is a Gram-negative, obligately anaerobic, non-motile, non-sporulating, rod-shaped bacterium typically isolated from human clinical specimens.³ Although not viewed as virulent as some oral microorganisms, *P. disiens* has been associated with an increased risk of periodontal disease and bacterial vaginosis.⁴

Material Provided:

Each vial contains approximately 0.5 mL of bacterial culture in 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-1171 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 48 to 72 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 disiens*, Strain DNF00882, HM-1171."

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. Fredricks, D. N., Personal Communication.
2. GenBank: [KF280302](#)
3. Holdeman, L. V. and J. L. Johnson. "*Bacteroides disiens* sp. nov. and *Bacteroides bivius* sp. nov. from Human Clinical Infections." Int. J. Syst. Bacteriol. 27 (1977): 337-345.
4. Persson, R., et al. "The Vaginal Microflora in Relation to Gingivitis." BMC Infect. Dis. 9 (2009): 6. PubMed: 19161595.
5. 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.

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