

***Lancefieldella parvula*, Strain DNF00906**

Catalog No. HM-1084

For research use only. Not for use in humans.

Contributor:

David N. Fredricks, MD, Principal Investigator, Vaccine and Infectious Diseases Division, Fred Hutchinson Cancer Research Center, Seattle, Washington, USA

Manufacturer:

BEI Resources

Product Description:

Bacteria Classification: *Atopobiaceae*¹, *Lancefieldella*

Species: *Lancefieldella parvula* (Previously referred to as *Atopobium parvulum*, this genus has been reclassified and the designation on the vial label refers to the old nomenclature.)^{2,3}

Strain: DNF00906

Original Source: *Lancefieldella parvula* (*L. parvula*), strain DNF00906 was isolated in November 2011 from vaginal fluid collected from a woman that tested positive for bacterial vaginosis in the United States.^{4,5}

Comments: *L. parvula*, strain DNF00906 ([HMP ID 1647](#)) 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 *L. parvula*, strain DNF00906 was sequenced at the [J. Craig Venter Institute](#) (GenBank: [JRND00000000](#)).

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.

L. parvula is an obligately anaerobic, non-motile, non-spore-forming Gram-positive coccus commonly found in human oral and airway microbiota.^{6,7} It is often associated with halitosis (bad breath) and human oral infections.

Material Provided:

Each vial contains approximately 0.5 mL of bacterial culture in Peptone Yeast Glucose medium with 0.1% Tween 80 supplemented with 10% glycerol.

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

Packaging/Storage:

HM-1084 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:

Peptone Yeast Glucose medium containing 0.1% Tween 80 or Modified Chopped Meat medium or equivalent

Tryptic Soy agar with 5% defibrinated sheep blood or Modified Chopped Meat medium with 2% agar 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 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: *Lancefieldella parvula*, Strain DNF00906, HM-1084."

Biosafety Level: 1

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). Current Edition. Washington, DC: U.S. Government Printing Office.

Disclaimers:

You are authorized to use this product for research use only. It is not intended for human use.

Use of this product is subject to the terms and conditions of the BEI Resources Material Transfer Agreement (MTA). The MTA is available on our Web site at www.beiresources.org.

While BEI Resources uses reasonable efforts to include accurate and up-to-date information on this product sheet, neither ATCC® nor the U.S. Government makes any warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. Neither ATCC® nor the U.S. Government warrants that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, use and disposal. ATCC® and the U.S. Government are not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to ensure authenticity and reliability of materials on deposit, the U.S. Government, ATCC®, their suppliers and contributors to BEI Resources are not liable for damages arising from the misidentification or misrepresentation of products.

Use Restrictions:

This material is distributed for internal research, non-commercial purposes only. This material, its product or its derivatives may not be distributed to third parties. Except as performed under a U.S. Government contract, individuals

contemplating commercial use of the material, its products or its derivatives must contact the contributor to determine if a license is required. U.S. Government contractors may need a license before first commercial sale.

References:

1. Gupta, R. S., et al. "Molecular Signatures for the Class *Coriobacteriia* and Its Different Clades; Proposal for Division of the Class *Coriobacteriia* into the Emended Order *Coriobacteriales*, Containing the Emended Family *Coriobacteriaceae* and *Atopobiaceae* fam. nov., and *Eggerthellales* ord. nov., Containing the Family *Eggerthellaceae* fam. nov." *Int. J. Syst. Evol. Microbiol.* 63 (2013): 3379-3397. PubMed: 23524353.
2. Nouioui, I., et al. "Genome-Based Taxonomic Classification of the Phylum *Actinobacteria*." *Front. Microbiol.* 9 (2018): 2007. PubMed: 30186281.
3. Aharon, O. and G. M. Garrity. "List of New Names and New Combinations Previously Effectively, but Not Validly, Published." *Int. J. Syst. Evol. Microbiol.* 68 (2018): 3379-3393. PubMed: 30351261.
4. Fredricks, D. N., Personal Communication.
5. [HMP ID 1647](#) (*Lancefieldella parvula*, strain DNF00906)
6. Cato, E. P. "Transfer of *Peptostreptococcus parvulus* (Weinberg, Nativelle, and Prevot 1937) Smith 1957 to the Genus *Streptococcus*: *Streptococcus parvulus* (Weinberg, Nativelle, and Prevot 1937) comb. nov., nom. rev., emend." *Int. J. Syst. Bacteriol.* 33 (1983): 82-84.
7. Olsen, I., et al. "*Lactobacillus uli* sp. nov. and *Lactobacillus rimae* sp. nov. from the Human Gingival Crevice and Emended Descriptions of *Lactobacillus minutus* and *Streptococcus parvulus*." *Int. J. Syst. Bacteriol.* 41 (1991): 261-266. PubMed: 1854640.

ATCC® is a trademark of the American Type Culture Collection.

