

***Atopobium parvulum*, Strain DNF00906**

Catalog No. HM-1084

For research use only. Not for human use.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Bacteria Classification: *Coriobacteriaceae*, *Atopobium*

Species: *Atopobium parvulum*

Strain: DNF00906

Original Source: *Atopobium parvulum* (*A. parvulum*), strain DNF00906 was isolated on November 7, 2011, from vaginal fluid collected from a woman that tested positive for bacterial vaginosis in the United States.^{1,2}

Comments: *A. parvulum*, 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 *A. parvulum*, strain DNF00906 is currently being sequenced at the [J. Craig Venter Institute](#).

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.

A. parvulum is an obligately anaerobic, non-motile, non-spore-forming Gram-positive coccus commonly found in human oral and airway microbiota.^{3,4} It is often associated with halitosis (bad breath) and human oral infections. The complete genome of the type strain IPP 1246 of *A. parvulum* has been sequenced.⁵

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 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 (80% N₂: 20% 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 24 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: *Atopobium parvulum*, 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](#). 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. [HMP ID 1647](#) (*Atopobium parvulum*, strain DNF00906)
3. 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.
4. 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.
5. Copeland, A., et al. "Complete Genome Sequence of *Atopobium parvulum* Type Strain (IPP 1246)." Stand. Genomic Sci. 1 (2009): 166-173. PubMed: 21304653. Erratum in: Stand. Genomic Sci. 2 (2010): 361-362. PubMed: 21304720.

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