

***Gardnerella vaginalis*, Strain JCP8481B**

Catalog No. HM-1118

For research use only. Not for human use.

Contributor:

Amanda Lewis, Ph.D., Assistant Professor of Molecular Microbiology, Department of Molecular Microbiology, Washington University School of Medicine, St. Louis, Missouri, USA

Manufacturer:

BEI Resources

Product Description:

Bacteria Classification: *Bifidobacteriaceae*, *Gardnerella*

Species: *Gardnerella vaginalis*

Strain: JCP8481B

Original Source: *Gardnerella vaginalis* (*G. vaginalis*), strain JCP8481B was isolated in 2011 from a clinical vaginal swab collected from a woman that tested positive for bacterial vaginosis (Nugent score = 10) in Missouri, USA.^{1,2,3}

Comments: *G. vaginalis*, strain JCP8481B ([HMP ID 1585](#)) 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 *G. vaginalis*, strain JCP8481B was sequenced at the Genome Institute at [Washington University](#) (GenBank: [ATJF00000000](#)).⁴

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.

G. vaginalis is a facultatively anaerobic bacterium commonly found in vaginal microbiota, however, some strains have been shown to be obligately anaerobic.^{5,6,7} It is often described as Gram-variable but has a thin, Gram-positive cell wall.⁸ Although *G. vaginalis* is commonly found in the vaginal microbiota of healthy individuals, it is one of the predominant organisms of the vaginal cavity in women with bacterial vaginosis.^{9,10}

Material Provided:

Each vial contains approximately 0.5 mL of bacterial culture in NYC III broth supplemented with 10% glycerol.

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

Packaging/Storage:

HM-1118 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:

NYC III broth or equivalent

Chocolate GC agar or equivalent

Incubation:

Temperature: 37°C

Atmosphere: Anaerobic or aerobic with 5% 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 1 to 2 days.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH as part of the Human Microbiome Project: *Gardnerella vaginalis*, Strain JCP8481B, HM-1118."

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:

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9. Aroutcheva, A. A., et al. "*Gardnerella vaginalis* Isolated from Patients with Bacterial Vaginosis and from Patients with Healthy Vaginal Ecosystems." *Clin. Infect. Dis.* 33 (2001): 1022-1027. PubMed: 11528575.
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