**Gardnerella vaginallis, Strain CMW7778B**

**Catalog No. HM-1298**

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:** Blifidobacteriaceae, Gardnerella
**Species:** Gardnerella vaginallis
**Strain:** CMW7778B

**Original Source:** Gardnerella vaginallis (G. vaginialis), strain CMW7778B is a vaginal isolate obtained in June 2014 from a pregnant woman in Missouri, USA.1,2

**Comments:** G. vaginialis, strain CMW7778B (HMP ID 3230) 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. vaginialis, strain CMW7778B was sequenced at Washington University (GenBank: LSRC01000000). 

**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. vaginallis is a facultatively anaerobic bacterium commonly found in vaginal microbiota, however, some strains have been shown to be obligately anaerobic.3,5 It is often described as Gram-variable but has a thin, Gram-positive cell wall.6 Although G. vaginallis 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.7,8

**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-1298 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.

**Incubation:**

**Temperature:** 37°C
**Atmosphere:** Anaerobic

**Note:** This strain does not grow under aerobic conditions.

**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 vaginallis, Strain CMW7778B, HM-1298.”

**Biosafety Level:** 2

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publications:


**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. Lewis, A., Personal Communication.
2. HMP ID 3230 (Gardnerella vaginalis, strain CMW7778B)

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