Gardnerella vaginalis, Strain JCP8522

Catalog No. HM-1119

For research use only. Not for use in humans.

Contributor:
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Manufacturer:
BEI Resources

Product Description:
Bacteria Classification: Blifidobacteriaceae, Gardnerella
Species: Gardnerella vaginalis
Strain: JCP8522

Original Source: Gardnerella vaginalis (G. vaginalis), strain JCP8522 was isolated on June 8, 2011 from a clinical vaginal swab collected from a woman that tested positive for bacterial vaginosis (Nugent score = 8) at the Washington University School of Medicine in St. Louis, Missouri, USA. Comments: G. vaginalis, strain JCP8522 (HMP ID 1586) 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 JCP8522 was sequenced at the Genome Institute at Washington University (GenBank: ATJE00000000).

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. It is often described as Gram-variable but has a thin, Gram-positive cell wall. Although G. vaginalis is commonly found in healthy individuals, it is one of the predominant organisms of the vaginal cavity in women with bacterial vaginosis.

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

Packaging/Storage:
HM-1119 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 JCP8522, HM-1119.”

Biosafety Level: 2


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References:
1. Lewis, A., Personal Communication.
2. HMP ID 1586 (Gardnerella vaginalis, strain JCP8522)

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