

***Gardnerella vaginalis*, Strain JCP8481B**

Catalog No. HM-1118

Product Description:

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. HM-1118 lot 70031757 was produced by the inoculation of the BEI Resources seed lot into NYC III broth and incubated for 2 days at 37°C in an anaerobic atmosphere (< 5% O₂; Mitsubishi™ AnaeroPack®-Anaero Anaerobic Gas Generator, Thermo Scientific™ R681001). The material from the initial growth was passaged once in NYC III broth for 2 days at 37°C in an anaerobic atmosphere to produce this lot.

Note: Quality control of HMP material is only performed to demonstrate that the material distributed by BEI Resources is identical to the deposited material. It should not be considered a complete characterization of the deposited organism.

Lot: 70031757

Manufacturing Date: 10JAN2020

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Colony morphology 2 days at 37°C in an anaerobic atmosphere on Chocolate GC agar Cellular morphology Motility	Report results Report results ¹ Report results	Circular, flat, entire and translucent (Figure 1) Gram-variable rods Non-motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1680 base pairs)	≥ 99% sequence identity to <i>G. vaginalis</i> , strain JCP8481B (GenBank: JX860321.1)	99.9% sequence identity to <i>G. vaginalis</i> , strain JCP8481B (GenBank: JX860321.1)
Purity (post-freeze) Anaerobic 7 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood Aerobic 7 days at 37°C in an aerobic atmosphere with 5% CO ₂ on Tryptic Soy agar with 5% defibrinated sheep blood	Growth consistent with expected colony morphology Report results ²	Growth consistent with expected colony morphology Growth consistent with expected colony morphology
Viability (post-freeze)²	Growth	Growth

¹*G. vaginalis* is often described as a Gram-variable organism but has a thin, Gram-positive cell wall. For more information, please refer to Harper, J. J. and G. H. G. Davis. "Cell Wall Analysis of *Gardnerella vaginalis* (*Haemophilus vaginalis*).¹" *Int. J. Syst. Bacteriol.* 32 (1982): 48-50.

²*G. vaginalis* is known to be a facultative anaerobe, however, some strains have been identified as obligate anaerobes. For more information, please refer to Malone, B. H., et al. "Obligately Anaerobic Strains of *Corynebacterium vaginale* (*Haemophilus vaginalis*).²" *J. Clin. Microbiol.* 2 (1975): 272-275. PubMed: 1080766.

Figure 1: Colony Morphology



/Heather Couch/
Heather Couch

Program Manager or designee, ATCC Federal Solutions

31 MAR 2020

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

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

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

