

Gardnerella vaginalis, Strain JCP8070

Catalog No. HM-1113

Product Description:

Gardnerella vaginalis (*G. vaginalis*), strain JCP8070 was isolated on July 28, 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. HM-1113 was produced by the inoculation of BEI Resources seed lot 62108033 into NYC III broth and incubated for 1 day in an anaerobic atmosphere (< 5% O₂; Remel™ Pack-Anaero™). The material from the initial growth was passaged once in NYC III broth for 1 day at 37°C in an anaerobic atmosphere to produce this lot. Quality control testing was completed under propagation conditions unless otherwise noted.

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: 70051438

Manufacturing Date: 13APR2022

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology 1 day at 37°C in an anaerobic atmosphere on Chocolate GC agar Motility (wet mount)	Gram-variable rods ¹ Report results Non-motile	Gram-variable rods Punctiform and gray (Figure 1) Non-motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1420 base pairs)	≥ 99% sequence identity to <i>G. vaginalis</i> , strain JCP8070 (GenBank: JX860316.1)	99.9% sequence identity to <i>G. vaginalis</i> , strain JCP8070 (GenBank: JX860316.1)
Purity (post-freeze) 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	Growth consistent with expected colony morphology
Viability (post-freeze) 1 day at 37°C in anaerobic atmosphere on Chocolate GC agar	Growth	Growth

¹*G. vaginalis* is often described as a Gram-variable organism, but has a thin, Gram-positive cell wall [see 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].

Figure 1: Colony Morphology



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