

Gardnerella vaginalis, Strain JCP8066

Catalog No. HM-1112

Product Description:

Gardnerella vaginalis (*G. vaginalis*), strain JCP8066 was isolated in July 2011 from a clinical vaginal swab collected from a woman who tested negative for bacterial vaginosis (Nugent score = 0) at the Washington University School of Medicine in St. Louis, Missouri, USA. HM-1112 was produced by the inoculation of BEI Resources seed lot 62108032 into NYC III broth and incubated for 1 day at 37°C in an anaerobic atmosphere (< 5% O₂; Remel™ Pack-Anaero™). The material from the initial growth was passaged once in NYC III broth for 2 days at 37°C in an anaerobic atmosphere (< 5% O₂; Remel™ Pack-Anaero™) 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: 70046180

Manufacturing Date: 29JUL2021

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology 1 day at 37°C in an anaerobic atmosphere on Chocolate agar Colony morphology 1 day at 37°C in an anaerobic atmosphere on Chocolate agar Motility (wet mount) VITEK® MS (MALDI-TOF)	Gram-variable rods ¹ Report results Report results <i>G. vaginalis</i>	Gram-variable pleomorphic rods Circular, low convex, entire, smooth and gray (Figure 1) Motile ² <i>G. vaginalis</i> (99.9%)
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1360 base pairs)	≥ 99% sequence identity to depositor's sequence (GenBank: JX860315.1)	99.3% sequence identity to depositor's sequence (GenBank: JX860315.1) ³
Purity (post-freeze) Anaerobic 7 days at 37°C on Tryptic Soy agar with 5% defibrinated sheep blood Aerobic with 5% CO ₂ 7 days at 37°C on Tryptic Soy agar with 5% defibrinated sheep blood	Growth consistent with expected colony morphology Report results	Growth consistent with expected colony morphology Growth consistent with expected colony morphology
Viability (post-freeze) 1 day at 37°C in an anaerobic atmosphere on Chocolate 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*).” *Int. J. Syst. Bacteriol.* 32 (1982): 48-50].

²*G. vaginalis* are non-motile, however, some twitching and motile cells were observed for this lot. MALDI-TOF analysis was performed and confirmed the identity as *G. vaginalis*.

³Also consistent with other *Gardnerella* species

Figure 1: Colony Morphology



/Heather Couch/
Heather Couch

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