

***Gardnerella vaginalis*, Strain JCP7275**
Catalog No. HM-1105
Product Description:

Gardnerella vaginalis (*G. vaginalis*), strain JCP7275 was isolated in 2010 from a clinical vaginal swab collected from a woman who tested positive for bacterial vaginosis (Nugent score = 10) at the Washington University School of Medicine in St. Louis, Missouri, USA. HM-1105 was produced by inoculation of BEI Resources seed lot 62092351 into NYC III broth and grown 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 1 day 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: 70084070
Manufacturing Date: 01JUL2026

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Cellular morphology 1 day at 37°C in an anaerobic atmosphere on Chocolate agar	Report results	Gram-variable rods ¹
Colony morphology 1 day at 37°C in an anaerobic atmosphere on Chocolate agar	Report results	Punctiform (Figure 1)
Motility (wet mount)	Report results	Non-motile
Genotypic Analysis		
Sequencing of 16S ribosomal RNA gene (~ 1380 base pairs)	≥ 99% sequence identity to <i>G. vaginalis</i> , strain JCP7275 (GenBank: JX860308.1)	100% sequence identity to <i>G. vaginalis</i> , strain JCP7275 (GenBank: JX860308.1) ²
Purity (post-freeze)		
Anaerobic 7 days at 37°C on Tryptic Soy agar with 5% defibrinated sheep blood	Growth consistent with expected colony morphology	Growth consistent with expected colony morphology
Aerobic with 5% CO ₂ 7 days at 37°C on Tryptic Soy agar with 5% defibrinated sheep blood	Report results ³	Growth consistent with expected colony morphology
Viability (post-freeze)	Growth	Growth

¹*G. vaginalis* is often described as a Gram-variable organism but has a thin, Gram-positive cell wall that can sometimes stain as Gram-negative. 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.

²Also consistent with other *Gardnerella* species

³*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



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