

***Gardnerella pickettii*, Strain JCP8017A (Deposited as *Gardnerella vaginalis*, Strain JCP8017A)**

Catalog No. HM-1110

Product Description:

Gardnerella pickettii (*G. pickettii*), strain JCP8017A was isolated in March 2011 from a clinical vaginal swab collected from a woman who tested positive for bacterial vaginosis (Nugent score = 8) at the Washington University School of Medicine in St. Louis, Missouri, USA. Previously referred to as *Gardnerella vaginalis*, this species has been reclassified and the designation on the vial label refers to the old nomenclature. HM-1110 was produced by inoculation of BEI Resources seed lot 62092359 into NYC III broth and grown for 2 days 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 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: 70051437

Manufacturing Date: 06MAY2022

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology 2 days at 37°C in an anaerobic atmosphere on Chocolate agar Motility (wet mount)	Gram-variable rods ¹ Report results Report results	Gram-variable rods Circular, low convex, entire, smooth and gray (Figure 1) Non-motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1420 base pairs)	≥ 99% sequence identity to <i>G. pickettii</i> type strain (GenBank: JAKNCU010000003.1)	99.9% sequence identity to <i>G. pickettii</i> type strain (GenBank: JAKNCU010000003.1)
Purity (post-freeze) Anaerobic 7 days at 37°C in an anaerobic atmosphere on Chocolate agar 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 Growth consistent with expected colony morphology	Growth consistent with expected colony morphology Growth consistent with expected colony morphology
Viability (post-freeze) 2 days 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].

Figure 1: Colony Morphology



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