

***Gardnerella pickettii*, Strain JCP7659 (Deposited as *Gardnerella vaginalis*, Strain JCP7659)**

Catalog No. HM-1107

Product Description:

Gardnerella pickettii (*G. pickettii*), strain JCP7659 was isolated in February 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-1107 was produced by inoculation of BEI Resources seed lot 62092354 into NYC III broth and grown for 1 day at 37°C in an anaerobic atmosphere (< 5% O₂; Remel™ Pack-Anaero™). Broth inoculum was added to Chocolate agar kolles, which were grown 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: 70046179

Manufacturing Date: 22JUL2021

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology 1 day at 30°C in an aerobic atmosphere on Chocolate agar Colony morphology 1 day at 30°C in an aerobic atmosphere on Chocolate agar Motility (wet mount) VITEK® MS (MALDI-TOF) ³	Gram-variable rods ¹ Report results Report results <i>G. vaginalis</i>	Gram-variable rods Punctiform and gray Motile ² <i>G. vaginalis</i> (99.9%)
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1410 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) ⁴
Purity (post-freeze) Anaerobic 7 days at 37°C 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 or no growth	Growth consistent with expected colony morphology Growth consistent with expected colony morphology
Viability (post-freeze) 1 day at 30°C in an aerobic atmosphere on Chocolate agar	Growth	Growth

¹*Gardnerella* species are often described as 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.].

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

³Testing was performed in 2021 prior to the naming of the novel species *Gardnerella pickettii* [Sousa, M., et al. "*Gardnerella pickettii* sp. nov. (formerly *Gardnerella* Genomic Species 3) and *Gardnerella greenwoodii* sp. nov. (Formerly *Gardnerella* Genomic Species 8) Isolated from Female Urinary Microbiome." *Int. J. Syst. Evol. Microbiol.* 73 (2023). PubMed: 37921436.].

⁴Also consistent with other *Gardnerella* species.

/Sonia Bjorum Brower/

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Technical Manager or designee, ATCC Federal Solutions

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