

Certificate of Analysis for HM-1106

Gardnerella vaginalis, Strain JCP7276

Catalog No. HM-1106

Product Description:

Gardnerella vaginalis (G. vaginalis), strain JCP7276 was isolated on December 2010 from a clinical vaginal swab collected from a woman who tested intermediate for bacterial vaginosis (Nugent score = 5) at the Washington University School of Medicine in St. Louis, Missouri, USA. HM-1106 lot 70046178 was produced by the inoculation of BEI Resources seed lot 62092353 into NYC III broth and incubated for 2 days at 37°C in an anaerobic atmosphere (< 5% O₂; Remel™ Pack-Anaero™). Broth inoculum was added to NYC III broth, which was grown for 2 days at 37°C in an anaerobic atmosphere to produce this lot. Quality control testing was completed under propagation conditions unless otherwise noted.

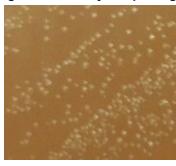
<u>Note</u>: Quality control of HMP material is only performed to demonstrate that the material distributed by BEI Resources is identical to the deposited material. It should not be considered a complete characterization of the deposited organism.

Lot: 70046178 Manufacturing Date: 23JUL2021

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Cellular morphology	Report results ¹	Gram-negative pleomorphic rods
Colony morphology 2 days at 37°C in an anaerobic atmosphere on Chocolate agar	Report results	Punctiform and gray (Figure 1)
Motility (wet mount)	Report results	Motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (1370 base pairs)	≥ 99% sequence identity to G. vaginalis, strain JCP7276 (GenBank: JX860309.1)	100% sequence identity to G. vaginalis, strain JCP7276 (GenBank: JX860309.1)
Purity (post-freeze) Anaerobic 7 days at 37°C on Tryptic Soy agar with 5% defibrinated sheep blood Aerobic with 5% CO ₂	Growth consistent with expected colony morphology Report results	Growth consistent with expected colony morphology Growth consistent with expected
7 days at 37°C on Tryptic Soy agar with 5% defibrinated sheep blood		colony morphology
Viability (post-freeze)	Growth	Growth

¹G. 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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/Heather Couch/ Heather Couch

18 OCT 2021

Program Manager or designee, ATCC Federal Solutions

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