

Certificate of Analysis for HM-1112

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.

<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: 70046180 Manufacturing Date: 29JUL2021

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Cellular morphology 1 day at 37°C in an anaerobic atmosphere on Chocolate agar	Gram-variable rods ¹	Gram-variable pleomorphic rods
Colony morphology 1 day at 37°C in an anaerobic atmosphere on Chocolate agar	Report results	Circular, low convex, entire, smooth and gray (Figure 1)
Motility (wet mount)	Report results	Motile ²
VITEK® MS (MALDI-TOF)	G. vaginalis	G. vaginalis (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	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	Growth consistent with expected colony morphology
Viability (post-freeze) 1 day at 37°C in an anaerobic atmosphere on Chocolate agar	Growth	Growth

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].

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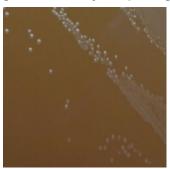
²G. vaginalis are non-motile, however, some twitching and motile cells were observed for this lot. MADLI-TOF analysis was performed and confirmed the identity as G. vaginalis.

³Also consistent with other *Gardnerella* species



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Figure 1: Colony Morphology



/Heather Couch/ Heather Couch

03 DEC 2021

Program Manager or designee, ATCC Federal Solutions

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