

***Gardnerella vaginalis*, Strain CMW7778B**

Catalog No. HM-1298

Product Description: *Gardnerella vaginalis* (*G. vaginalis*), strain CMW7778B is a vaginal isolate obtained in June 2014 from a pregnant woman in Missouri, USA.

Lot^{1,2}: 70006649

Manufacturing Date: 21JUL2017

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ⁴ Motility Biochemical characterization VITEK® 2 Compact (GP card)	Report results ³ Report results Report results <i>G. vaginalis</i> (≥ 89%)	Gram-variable rods Circular, convex, entire, smooth, opaque and gray (Figure 1) Non-motile <i>G. vaginalis</i> (98%)
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1420 base pairs)	≥ 99% sequence identity to <i>G. vaginalis</i> , strain CMW7778B (GenBank: LSRC01000036.1)	100% sequence identity to <i>G. vaginalis</i> , strain CMW7778B (GenBank: LSRC01000036.1)
Purity (post-freeze) Anaerobic growth ⁵ Aerobic growth ⁶	Consistent with expected colony morphology No growth	Consistent with expected colony morphology No growth ⁷
Viability (post-freeze)⁴	Growth	Growth

¹Quality 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.

²*G. vaginalis*, strain CMW7778B was deposited by Amanda Lewis, Ph.D., Assistant Professor of Molecular Microbiology, Department of Molecular Microbiology, Washington University School of Medicine, St. Louis, Missouri, USA. HM-1298 was produced by inoculation of the deposited material 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 Chocolate GC agar kolles which were grown for 2 days at 37°C in an anaerobic atmosphere to produce this lot.

³*G. vaginalis* is often described as a Gram-variable organism but has a thin, Gram-positive cell wall. For more information, please refer to Harper, J. J. and G. H. G. Davis. "Cell Wall Analysis of *Gardnerella vaginalis* (*Haemophilus vaginalis*)."
Int. J. Syst. Bacteriol. 32 (1982): 48-50.

⁴2 days at 37°C in an anaerobic atmosphere on Chocolate GC agar

⁵Purity of this lot was assessed for 7 days at 37°C in an anaerobic atmosphere on Chocolate GC agar.

⁶Purity of this lot was assessed for 7 days at 37°C in an aerobic atmosphere with 5% CO₂ on GC Chocolate agar.

⁷*G. vaginalis* are known to be facultative anaerobes, 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*)."
J. Clin. Microbiol. 2 (1975): 272-275. PubMed: 1080766.

Figure 1: Colony Morphology



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