

***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. HM-1298 was produced by inoculation of BEI Resources seed lot 70006597 into NYC III broth and grown for 2 days at 37°C in an anaerobic atmosphere (< 5% O₂; Remel™ Pack-Anaero™). Broth inoculum was added to Chocolate agar kolles, which were grown for 3 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.

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: 70062661
Manufacturing Date: 14AUG2023

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TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology 3 days at 37°C in an anaerobic atmosphere on Chocolate agar Motility (wet mount)	Gram-variable rods Report results Report results	Gram-negative rods ¹ Circular, convex, entire, smooth and white (Figure 1) Non-motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1410 base pairs)	100% sequence identity to <i>G. vaginalis</i> , Strain CMW7778B (GenBank: LSRC01000036.1)	99.9% sequence identity to <i>G. vaginalis</i> , Strain CMW7778B (GenBank: LSRC01000036.1) ²
Purity (post-freeze) Anaerobic 7 days at 37°C on Tryptic Soy agar with 5% defibrinated sheep blood Aerobic with 5% CO ₂ 7 days at 37°C on Tryptic Soy agar with 5% defibrinated sheep blood	Consistent with expected colony morphology Report results	Consistent with expected colony morphology No growth
Viability (post-freeze) 3 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 that can sometimes stain as Gram-negative. For more information, please refer to 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.

²Also consistent with other *Gardnerella* species.

Figure 1: Colony Morphology



/Sonia Bjorum Brower/
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25 FEB 2025

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