

Lactobacillus gasseri, Strain EX336960VC03
Catalog No. HM-400
Product Description:

Lactobacillus gasseri (*L. gasseri*), strain EX336960VC03 was isolated from a human mid-vaginal wall in March 2010 in Richmond, Virginia, USA. HM-400 was produced by inoculation of BEI Resources seed lot 59852302 into Lactobacilli MRS broth and grown for 2 days at 37°C in an aerobic atmosphere with 5% CO₂. The material from the initial growth was passaged once in Lactobacilli MRS broth for 2 days at 37°C in an aerobic atmosphere with 5% CO₂ 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: 70082967
Manufacturing Date: 26JUN2026

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology Motility (wet mount) VITEK® MS (MALDI-TOF)	Gram-positive rods Report results Report results <i>L. gasseri</i>	Gram-positive rods Punctiform Non-motile <i>L. gasseri</i> (99.9%) ¹
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1510 base pairs)	≥ 99% sequence identity to <i>L. gasseri</i> type strain (GenBank: CP000413.1)	99.7% sequence identity to <i>L. gasseri</i> type strain (GenBank: CP000413.1)
Purity (post-freeze) 7 days at 37°C in an aerobic atmosphere with 5% CO ₂ on Tryptic Soy agar with 5% defibrinated sheep blood	Growth consistent with expected colony morphology	Growth consistent with expected colony morphology ²
Viability (post-freeze)	Growth	Growth

¹MALDI-TOF MS identifies HM-1278 as *Lactobacillus* at genus-level and as *L. gasseri* (50%) and *L. acidophilus* (50%) at species-level. A combination of different genotypic and phenotypic methods is required for lactobacilli species-level identification. For additional information, please refer to Anderson A. C., et al. "Rapid Species-Level Identification of Vaginal and Oral Lactobacilli Using MALDI-TOF MS Analysis and 16S rRNA Sequencing." *BMC Microbiol.* 14 (2014): 312. PubMed: 25495549.

²Two colony types were observed on Tryptic Soy agar with 5% defibrinated sheep blood plate. VITEK® MS (MALDI-TOF) analysis identified cells from both colony types as *gasseri*.

/Sonia Bjorum Brower/

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20 AUG 2026

Technical Manager or designee, ATCC Federal Solutions

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