

Lactobacillus gasseri, Strain PSS7772D
Catalog No. HM-1278
Product Description:

Lactobacillus gasseri (*L. gasseri*), strain PSS7772D was isolated in 2014 from urine of a pregnant female in St. Louis, Missouri, USA. HM-1278 was produced by inoculation of BEI Resources seed lot 70006588 into Lactobacilli MRS broth and grown for 2 days at 37°C in an anaerobic atmosphere (< 5% O₂; Remel™ Pack-Anaero™). Broth inoculum was added to Lactobacilli MRS agar kolles, which were 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.

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: 70082970
Manufacturing Date: 15MAY2026

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 Circular, convex, entire, smooth and cream Non-motile <i>Lactobacillus</i> sp. ¹
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1500 base pairs)	≥ 99% sequence identity to <i>L. gasseri</i> , strain PSS7772D (GenBank: LRQD01000073.1)	99.9% sequence identity to <i>L. gasseri</i> , strain PSS7772D (GenBank: LRQD01000073.1) 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	Growth consistent with expected colony morphology Report results	Growth consistent with expected colony morphology Growth consistent with expected colony morphology
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.

²Also consistent with *Lactobacillus* species

Certificate of Analysis for HM-1278

/Sonia Bjorum Brower/

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14 AUG 2026

Technical Manager or designee, ATCC Federal Solutions

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