

***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.

Lot^{1,2}: 70006641
Manufacturing Date: 29JUN2017

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ³ Motility (wet mount) VITEK® MS (MALDI-TOF)	Gram-positive rod Report results Report results <i>L. gasseri</i>	Gram-positive rod Circular, convex, entire, smooth and cream (Figure 1) Non-motile <i>Lactobacillus</i> sp. ⁴
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 760 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)
Purity (post-freeze) Anaerobic growth ⁵ Aerobic growth ⁶	Consistent with expected colony morphology Consistent with expected colony morphology	Consistent with expected colony morphology Consistent with expected colony morphology
Viability (post-freeze)³	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.

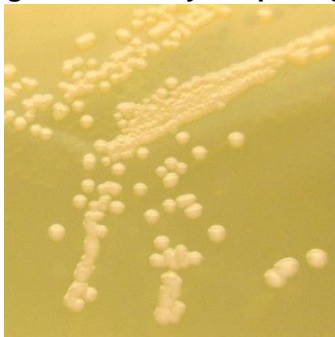
²*L. gasseri*, strain PSS7772D was deposited by Amanda Lewis, Ph.D., Assistant Professor, Department of Molecular Microbiology, Washington University School of Medicine, St. Louis, Missouri, USA. HM-1278 was produced by inoculation of the deposited material into Lactobacilli MRS broth and grown for 1 day 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.

³2 days at 37°C in an anaerobic atmosphere on Lactobacilli MRS agar

⁴MALDI-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.

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

⁶Purity of this lot was assessed for 7 days at 37°C in an aerobic atmosphere with 5% CO₂ on Tryptic Soy agar with 5% defibrinated sheep blood.

Figure 1: Colony Morphology


Certificate of Analysis for HM-1278

Date: 07 NOV 2017

Signature:



BEI Resources Authentication

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