

Lactobacillus gasseri, Strain 224-1

Catalog No. HM-647

Product Description:

Lactobacillus gasseri (*L. gasseri*), strain 224-1 was isolated in 2007 from a human vaginal mucosa. HM-647 was produced by inoculation of BEI Resources seed lot 60335931 into Lactobacilli MRS broth and grown for 1 day at 37°C in an aerobic atmosphere with 5% CO₂. The material from the initial growth was passaged once in Lactobacilli MRS broth for 1 day at 37°C in an aerobic atmosphere with 5% CO₂ to produce this lot.

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: 70055544

Manufacturing Date: 19OCT2022

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology 1 day at 37°C in an aerobic atmosphere with 5% CO ₂ on Lactobacilli MRS agar Colony morphology 1 day at 37°C in an aerobic atmosphere with 5% CO ₂ on Lactobacilli MRS agar Motility (wet mount)	Gram-positive rods Report results Report results	Gram-positive rods Irregular, low convex, entire, rough, translucent and beige Non-motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (1510 base pairs)	≥ 99% sequence identity to <i>L. gasseri</i> , strain 224-1 (GenBank: ADFT01000005.1)	99.7% sequence identity to <i>L. gasseri</i> , strain 224-1 (GenBank: ADFT01000005.1) 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
Viability (post-freeze) 1 day at 37°C in an aerobic atmosphere with 5% CO ₂ on Lactobacilli MRS agar	Growth	Growth

¹Also consistent with other *Lactobacillus* species.

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