

Lactobacillus iners, Strain 7_1_47FAA

Catalog No. HM-228

Product Description:

Lactobacillus iners (*L. iners*), strain 7_1_47FAA was isolated in 2007 from inflamed biopsy tissue taken from the sigmoid colon of a 25-year-old female patient with Crohn's disease in Calgary, Alberta, Canada. Previously referred to as *Lactobacillus* sp., this species has been reclassified and the species designation on the vial label refers to the old nomenclature. HM-228 was produced by inoculation of BEI Resources seed lot 60896601 into Lactobacillus Sake broth and grown for 3 days at 37°C in an anaerobic atmosphere (< 5% O₂; Remel™ Pack-Anaero™). Broth inoculum was added to Tryptic Soy agar with 5% defibrinated sheep blood kolles, which were grown for 3 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: 70063494

Manufacturing Date: 12OCT2023

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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-variable rods Circular, low convex, entire, smooth and gray Non-motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1500 base pairs)	≥ 99% sequence identity to <i>L. iners</i> , strain 7_1_47FAA (GenBank: ACWR01000022.1)	100% sequence identity to <i>L. iners</i> , strain 7_1_47FAA (GenBank: ACWR01000022.1) ¹
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	Report results Report results	Growth consistent with expected colony morphology Growth consistent with expected colony morphology
Viability (post-freeze) 3 days at 37°C in an anaerobic atmosphere on Chocolate agar	Growth	Growth

/Sonia Bjorum Brower/
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16 AUG 2024

Technical Manager or designee, ATCC Federal Solutions

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