

Lactobacillus iners, Strain UPII 143-D
Catalog No. HM-126
Product Description:

Lactobacillus iners (*L. iners*), strain UPII 143-D was isolated from a human vagina. HM-126 was produced by the inoculation of BEI Resources seed lot 59588458 into Lactobacilli MRS broth and incubated for 2 days at 37°C in an aerobic atmosphere with 5% CO₂. The material from the initial growth was passaged once in Tryptic Soy agar with 5% defibrinated sheep blood kolles 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: 70076766
Manufacturing Date: 27JUN2025

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology ¹ 2 days at 37°C in an aerobic atmosphere with 5% CO ₂ on Tryptic Soy agar with 5% defibrinated sheep blood Colony morphology 2 days at 37°C in an aerobic atmosphere with 5% CO ₂ on Tryptic Soy agar with 5% defibrinated sheep blood Motility (wet mount) VITEK® MS (MALDI-TOF)	Gram-variable rods Report results Report results <i>L. iners</i>	Gram-variable rods Circular, flat, entire, smooth and gray (Figure 1) Motile <i>L. iners</i> (99.9%)
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (1470 base pairs)	≥ 99% sequence identity to <i>L. iners</i> , strain UPII 143-D (GenBank: AEXJ01000009.1)	100% sequence identity to <i>L. iners</i> , strain UPII 143-D (GenBank: AEXJ01000009.1) ²
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) 2 days at 37°C in an aerobic atmosphere with 5% CO ₂ on Tryptic Soy agar with 5% defibrinated sheep blood	Growth	Growth

¹*L. iners* is Gram-variable; however, it can stain Gram-positive or Gram-negative. For more information, please refer to Petrova, M. I., et al. "Lactobacillus iners: Friend or Foe?" *Trends in Microbiol.* 25 (2017): 182-191. PubMed: 27914761.

²Also consistent with other *Lactobacillus* species

Figure 1: Colony Morphology



/Sonia Bjorum Brower/

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