

***Lactobacillus iners*, Strain UPII 60-B**
Catalog No. HM-131
Product Description:

Lactobacillus iners (*L. iners*), strain UPII 60-B was isolated from a human vagina. HM-131 was produced by inoculation of BEI Resources seed lot 59588466 into NYC III broth, which was used to inoculate a Tryptic Soy agar with 5% defibrinated sheep blood plate, and both were grown for 4 days at 37°C in an aerobic atmosphere with 5% CO₂. Colonies from the Tryptic Soy agar with 5% defibrinated sheep blood plate were suspended in the NYC III broth growth and the growth mixture was added to Tryptic Soy agar with 5% defibrinated sheep blood kolles, which were grown for 3 days 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: 70074254
Manufacturing Date: 21FEB2025

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TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology 3 days at 37°C in an aerobic atmosphere with 5% CO ₂ on Tryptic Soy agar with 5% defibrinated sheep blood Colony morphology 3 days at 37°C in an aerobic atmosphere with 5% CO ₂ on Tryptic Soy agar with 5% defibrinated sheep blood Motility (wet mount)	Gram-variable rods Report results Report results	Gram-variable rods ¹ Circular, low convex, entire, smooth and gray (Figure 1) Non-motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (1460 base pairs)	≥ 99% sequence identity to <i>L. iners</i> , strain UPII 60-B (GenBank: AEXK01000007.1)	100% sequence identity to <i>L. iners</i> , strain UPII 60-B (GenBank: AEXK01000007.1) 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) 3 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/

Sonia Bjorum Brower

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Technical Manager or designee, ATCC Federal Solutions

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