

Lactobacillus iners, Strain LEAF 2062A-h1

Catalog No. HM-707

Product Description: *Lactobacillus iners* (*L. iners*), strain LEAF 2062A-h1 was isolated from a human vagina.

Lot^{1,2}: 61881818

Manufacturing Date: 30JUL2013

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ^{3,4} Motility (wet mount)	Gram-positive rods Report results Report results	Gram-positive rods Punctiform, low convex, entire, smooth and translucent (Figure 1) Non-motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 890 base pairs)	≥ 99% identical to GenBank: AEKJ01000002 (<i>L. iners</i> , strain LEAF 2062A-h1)	≥ 99% identical to GenBank: AEKJ01000002 (<i>L. iners</i> , strain LEAF 2062A-h1)
Viability (post-freeze)³	Growth	Growth

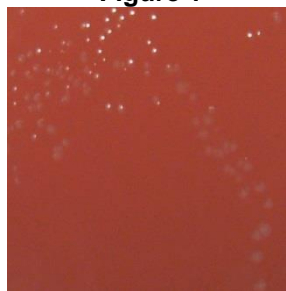
¹Quality control of HMP material is only performed to demonstrate that the material distributed by BEI Resources is identical to the deposited material. It should not be considered a complete characterization of the deposited organism.

²*L. iners*, strain LEAF 2062A-h1 was deposited by Professor Sharon L. Hillier, Department of Obstetrics, Gynecology and Reproductive Sciences, Magee-Womens Research Institute, University of Pittsburgh, Pittsburgh, Pennsylvania. HM-707 was produced by inoculation of the deposited material into Lactobacilli MRS broth and incubated for 72 hours at 37°C in an anaerobic atmosphere (90% N₂:5% CO₂:5% H₂). Broth inoculum was added to Tryptic Soy agar with 5% defibrinated sheep blood kolles, and grown for 48 hours at 37°C in an anaerobic atmosphere to produce this lot. Purity of this lot was assessed for 7 days under propagation conditions.

³72 hours at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

⁴Colonies were observed under anaerobic and aerobic with 5% CO₂ atmospheric conditions when HM-707 was grown on Tryptic Soy agar with 5% defibrinated sheep blood for 72 hours. The 16S gene of each colony type was sequenced, the sequence of both colonies were identical and were consistent with *L. iners*. *L. iners* is a facultative anaerobe and the presence of growth in an aerobic atmosphere with 5% CO₂ is not unexpected.

Figure 1



Date: 27 NOV 2013

Signature:

Title: Technical Manager, BEI Authentication or designee

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