

**Lactobacillus iners, Strain Lactin V 03(V1)-b**

**Catalog No. HM-701**

**Product Description:** *Lactobacillus iners* (*L. iners*), strain Lactin V 03(V1)-b was isolated from a human vagina.

**Lot<sup>1,2</sup>: 61881799**

**Manufacturing Date: 30JUL2013**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology <sup>3</sup>  Aerobic growth <sup>4</sup>	Report results Report results  Report results	Gram-positive rods Circular, slightly peaked, undulate, smooth and gray (Figure 1) Growth
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 1450 base pairs)	≥ 99% identical to GenBank: AEHP01000037 [ <i>L. iners</i> , strain Lactin V 03(V1)-b]	≥ 99% identical to GenBank: AEHP01000037 [ <i>L. iners</i> , strain Lactin V 03(V1)-b]
<b>Viability (post-freeze)<sup>3</sup></b>	Growth	Growth

<sup>1</sup>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.

<sup>2</sup>*L. iners*, strain Lactin V 03(V1)-b was deposited by Sharon L. Hillier, Department of Obstetrics, Gynecology and Reproductive Sciences, Magee-Womens Research Institute, University of Pittsburgh, Pittsburgh, Pennsylvania. HM-701 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% N<sub>2</sub>:5% CO<sub>2</sub>:5% H<sub>2</sub>). Broth inoculum was added to kolles and grown for 48 hours at 37°C in an anaerobic atmosphere to produce this lot. Purity of this lot was accessed for 7 days under propagation conditions.

<sup>3</sup>72 hours at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

<sup>4</sup>Anaerobic and aerobic with 5% CO<sub>2</sub> colony types were observed when HM-701 was grown on Tryptic Soy agar with 5% defibrinated sheep blood for 72 hours. The 16S gene of each colony type was sequenced and both colonies were consistent with *L. iners*. *L. iners* is a facultative anaerobe and the presence of growth in an aerobic atmosphere with 5%CO<sub>2</sub> is not unexpected.

**Figure 1**



**Date:** 08 OCT 2013

**Signature:**

**Title:** Technical Manager, BEI Authentication or designee

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