

***Lactobacillus plantarum*, Strain KCA-1**

Catalog No. HM-261

Product Description: *Lactobacillus plantarum* (*L. plantarum*), strain KCA-1 was isolated from the vagina of a healthy, premenopausal Nigerian woman.

Lot^{1,2}: 59980914

Manufacturing Date: 16SEP2011

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ³	Report results Report results	Gram-positive rod Circular, entire, peaked and white (Figure 1)
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1440 bp)	≥ 99% identical to depositor's sequence Consistent with <i>L. plantarum</i>	≥ 99% identical to depositor's sequence Consistent with <i>L. plantarum</i> ⁴
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. plantarum*, strain KCA-1 was deposited by Sarah Cribby, Technician, Lawson Health Research Institute, London, Ontario, Canada. The deposited material was inoculated into Lactobacilli MRS Broth and incubated for 48 hours at 37°C in an aerobic atmosphere with 5% CO₂. The material from the initial growth was passaged once in Lactobacilli MRS Broth for 24 hours at 37°C in an aerobic atmosphere with 5% CO₂ to produce this lot.

³48 hours at 37°C in an aerobic atmosphere with 5% CO₂ on Lactobacilli MRS Agar

⁴The 16S rRNA gene sequences of the *Lactobacillus plantarum* group species [*L. plantarum* (subsp. *plantarum* and subsp. *argenteratensis*), *L. paraplantarum*, and *L. pentosus*] are highly similar and, therefore, are of limited utility in differentiating species (Kostinek, M., et al. "*Lactobacillus arizonensis* Is a Later Heterotypic Synonym of *Lactobacillus plantarum*." *Int. J. Syst. Evol. Microbiol.* 55 (2005): 2485-2489. PubMed: 16280514).

Figure 1



Date: 09 MAR 2012

Signature: 

Title: Technical Manager, BEI Authentication or designee

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