

Lactobacillus crispatus, Strain JV-V01

Catalog No. HM-103

Product Description:

Lactobacillus crispatus (*L. crispatus*), strain JV-V01 was isolated from normal human vaginal flora in Texas, USA. HM-103 was produced by the inoculation of BEI Resources seed lot 60018560 into Lactobacilli MRS broth and incubated for 1 day at 37°C in an aerobic atmosphere with 5% CO₂. The material from the initial growth was passaged once in Lactobacilli MRS broth for 1 day 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: 70046942

Manufacturing Date: 16SEP2021

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology 1 day at 37°C in an aerobic atmosphere with 5% CO ₂ on Lactobacilli MRS agar Colony morphology 1 day at 37°C in an aerobic atmosphere with 5% CO ₂ on Lactobacilli MRS agar Motility (wet mount) VITEK® MS (MALDI-TOF)	Gram-positive rods Report results Report results <i>L. crispatus</i>	Gram-positive rods Circular, convex, entire, smooth and cream Non-motile <i>L. crispatus</i> (99.9%)
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1500 base pairs)	≥ 99% sequence identity to <i>L. crispatus</i> , strain JV-V01 (GenBank: ACKR01000046.1)	99.9% sequence identity to <i>L. crispatus</i> , strain JV-V01 (GenBank: ACKR01000046.1)
Purity (post-freeze) 8 days at 37°C in aerobic atmosphere with 5% CO ₂ on Lactobacilli MRS agar 8 days at 37°C in 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	Growth consistent with expected colony morphology Growth consistent with expected colony morphology ¹
Viability (post-freeze)	Growth	Growth

¹A second colony type consistent with *L. crispatus* was observed after an extended incubation on Tryptic Soy agar with 5% defibrinated sheep blood. Plating of the individual colony types showed that they did not revert to the other colony type. The 16S ribosomal RNA gene of each colony type was sequenced and found to be consistent with the other colony type and *L. crispatus*, strain JV-V01 (GenBank: ACKR01000046.1).

/Heather Couch/
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Program Manager or designee, ATCC Federal Solutions

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