

***Bifidobacterium breve*, Strain JCP7499**

Catalog No. HM-1120

Product Description: *Bifidobacterium breve* (*B. breve*), strain JCP7499 was isolated on January 5, 2011, from a clinical vaginal swab collected from a woman that tested positive for bacterial vaginosis (Nugent score = 8) at the Washington University School of Medicine in St. Louis, Missouri, USA.

Lot^{1,2}: 62313073

Manufacturing Date: 17JAN2014

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology (anaerobic) ^{3,4} Motility (wet mount)	Gram-positive rods Report results Non-motile	Gram-positive rods Circular, low convex, entire, smooth and white (Figure 1) Non-motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 890 base pairs)	≥ 99% identical to depositor's sequence	≥ 99% identical to depositor's sequence (GenBank: JX860323)
Viability (post-freeze)³	Growth	Growth

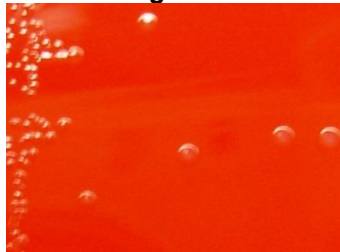
¹Quality control of HMP material is only performed to demonstrate that the material distributed by BEI Resources is identical to the deposited material. It should not be considered a complete characterization of the deposited organism.

²*B. breve*, strain JCP7499 was deposited by Amanda Lewis, PhD, Assistant Professor of Molecular Microbiology, Department of Molecular Microbiology, Washington University School of Medicine, St. Louis, Missouri. HM-1120 was produced by inoculation of the deposited material into Modified Reinforced Clostridial broth and incubated for 51 hours at 37°C in an anaerobic atmosphere (80% N₂: 20% CO₂). The material from the initial growth was passaged once in Modified Reinforced Clostridial broth for 22 hours at 37°C in an anaerobic atmosphere to produce this lot. Purity of this lot was assessed for 7 days under propagation conditions.

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

⁴Anaerobic and aerobic with 5% CO₂ colony types were observed when HM-1120 was grown on Tryptic Soy agar with 5% defibrinated sheep blood for 47 hours at 37°C. The 16S ribosomal RNA gene of each colony type was sequenced and both colonies were consistent with *B. breve*. *B. breve* is an anaerobe; however, it has been reported to grow under low oxygen conditions.

Figure 1



Date: 25 MAR 2014

Signature:

Title: Technical Manager, BEI Authentication or designee

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