

Bifidobacterium breve, Strain JCP7499

Catalog No. HM-1120

Product Description:

Bifidobacterium breve (*B. breve*), strain JCP7499 was isolated in 2011, from a clinical vaginal swab collected from a woman that tested positive for bacterial vaginosis (Nugent score = 8) in Missouri, USA. HM-1120 lot 70048207 was produced by the inoculation of BEI Resources seed lot 62313075 into Modified Reinforced Clostridial broth and incubated for 3 days at 37°C in an anaerobic atmosphere (< 5% O₂; Remel™ Pack-Anaero™). The material from the initial growth was passaged once in Modified Reinforced Clostridial broth for 2 days at 37°C in an anaerobic atmosphere 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.

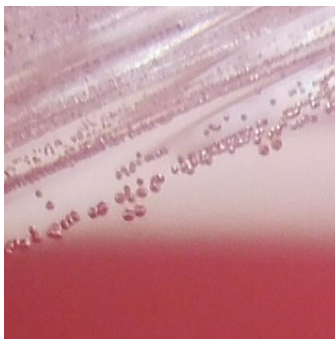
Lot: 70048207

Manufacturing Date: 27OCT2021

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology 2 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood Colony morphology 2 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood Motility (wet mount)	Gram-positive rods Report results Report results	Gram-positive rods Circular, low convex, entire, smooth and cream (Figure 1) Non-motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1420 base pairs)	≥ 99% sequence identity to <i>B. breve</i> , strain JCP7499 (GenBank: AWSX01000035.1)	100% sequence identity to <i>B. breve</i> , strain JCP7499 (GenBank: AWSX01000035.1)
Purity (post-freeze)¹ Anaerobic 7 days at 37°C on Tryptic Soy agar with 5% defibrinated sheep blood Aerobic with 5% CO ₂ 7 days at 37°C on Tryptic Soy agar with 5% defibrinated sheep blood	Consistent with expected colony morphology Consistent with expected colony morphology	Consistent with expected colony morphology Consistent with expected colony morphology
Viability (post-freeze) 2 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood	Growth	Growth

¹The 16S ribosomal RNA gene was sequenced from the colonies grown in each condition and was found to be consistent with *B. breve*. *B. breve* is an anaerobe; however, it has been reported to grow under low oxygen conditions.

Figure 1: Colony Morphology



/Heather Couch/
Heather Couch

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