

Bifidobacterium breve, Strain HPH0326

Catalog No. HM-856

Product Description:

Bifidobacterium breve (*B. breve*), strain HPH0326 was isolated from a biopsy of ileo-anal pouch mucosa of a human subject in the United States. HM-856 was produced by inoculation of BEI Resources lot 62264524 into Modified Reinforced Clostridial broth and grown for 3 days at 37°C in an anaerobic atmosphere (< 0.5% O₂; Remel™ AnaeroPack™). The material from the initial growth was passaged once in Modified Reinforced Clostridial broth for 3 days at 37°C in an anaerobic atmosphere to produce this lot. Quality control testing was completed under propagation conditions unless otherwise noted.

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.

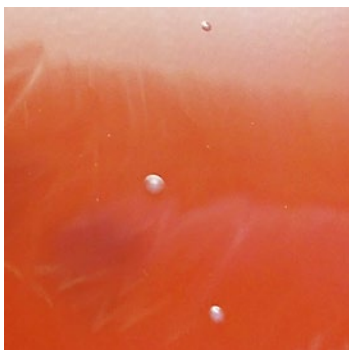
Lot: 70065535

Manufacturing Date: 05FEB2024

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology Motility (wet mount)	Gram-positive rods Report results Report results	Gram-positive rods Circular, convex, entire, smooth and gray (Figure 1) Non-motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1400 base pairs)	≥ 99% sequence identity to <i>B. breve</i> , strain HPH0326 (GenBank: ATCB01000001)	99.7% sequence identity to <i>B. breve</i> , strain HPH0326 (GenBank: ATCB01000001) ¹
Purity (post-freeze) 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	Growth consistent with expected colony morphology Report results	Growth consistent with expected colony morphology Growth consistent with expected colony morphology
Viability (post-freeze)	Growth	Growth

¹Also consistent with other *Bifidobacterium* species

Figure 1: Colony Morphology



Certificate of Analysis for HM-856**/Sonia Bjorum Brower/****Sonia Bjorum Brower**

22 OCT 2024

Technical Manager or designee, ATCC Federal Solutions

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

ATCC® is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.

