

***Bifidobacterium longum*, Strain CMW7750**

Catalog No. HM-1299

Product Description: *Bifidobacterium longum* (*B. longum*), strain CMW7750 is a vaginal isolate obtained in 2014 from a pregnant woman in St. Louis, Missouri, USA.

Lot^{1,2}: 70006650

Manufacturing Date: 21AUG2017

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ³ Motility (wet mount) VITEK [®] MS (MALDI-TOF)	Gram-positive rod Report results Report results <i>Bifidobacterium</i> sp.	Gram-positive rod Circular, slight peaked, entire, smooth and gray (Figure 1) Non-motile <i>Bifidobacterium</i> sp. (99.9%)
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (610 base pairs) (~ 830 base pairs)	≥ 99% sequence identity to <i>B. longum</i> , strain CMW7750 (GenBank: LRPQ01000041.1) ≥ 99% sequence identity to depositor's sequence	100% sequence identity to <i>B. longum</i> , strain CMW7750 (GenBank: LRPQ01000041.1) 100% sequence identity to depositor's sequence
Purity (post-freeze) Anaerobic growth ⁴ Aerobic growth ⁵	Consistent with expected colony morphology Report results	Consistent with expected colony morphology Consistent with expected colony morphology
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.

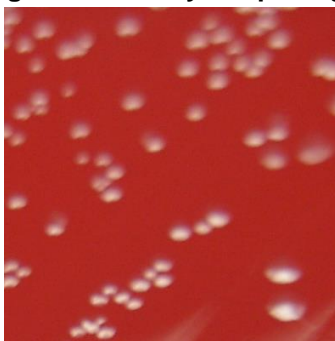
²*B. longum*, strain CMW7750 was deposited by Amanda Lewis, Ph.D., Assistant Professor, Department of Molecular Microbiology, Washington University School of Medicine, St. Louis, Missouri, USA. HM-1299 was produced by inoculation of the deposited material into Modified Reinforced Clostridial broth and incubated for 2 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.

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

⁴Purity of this lot was assessed for 7 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood.

⁵Purity of this lot was assessed for 7 days at 37°C in an aerobic atmosphere with 5% CO₂ on Tryptic Soy agar with 5% defibrinated sheep blood.

Figure 1: Colony Morphology



Date: 14 DEC 2017

Signature:



BEI Resources Authentication

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