

***Bifidobacterium longum* subsp. *longum*, Strain 1-6B**

**Catalog No. HM-846**

**Product Description:** *Bifidobacterium longum* (*B. longum*) subsp. *longum*, strain 1-6B was isolated in 2006 from feces of a six-year-old healthy human child in Russia. **Note:** The strain designation on the vial label for lot 70002699 is incorrect. The correct strain designation is 1-6B.

**Lot<sup>1,2</sup>: 70002699**

**Manufacturing Date: 24MAR2017**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology <sup>3</sup>  Motility (wet mount)	Gram-positive rods Report results  Report results	Gram-positive rods Circular, flat, entire, translucent and grey (Figure 1) Non-motile
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 700 base pairs)	≥ 99% sequence identity to <i>B. longum</i> subsp. <i>longum</i> , strain 1-6B (GenBank: AJTF01000016)	100% sequence identity to <i>B. longum</i> subsp. <i>longum</i> , strain 1-6B (GenBank: AJTF01000016)
<b>Purity (post-freeze)</b> Anaerobic growth <sup>4</sup>  Aerobic growth <sup>5</sup>	Growth consistent with expected colony morphology Growth consistent with expected colony morphology	Growth consistent with expected colony morphology Growth consistent with expected colony morphology
<b>Viability (post-freeze)<sup>3</sup></b>	Growth	Growth

<sup>1</sup>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.

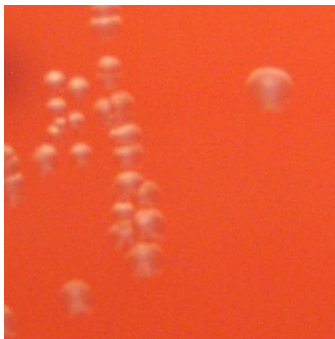
<sup>2</sup>*B. longum* subsp. *longum*, strain 1-6B was deposited by Andrei Shkoporov, Senior Scientist, Department of Microbiology, Russian National Research Medical University, Moscow, Russia. HM-846 was produced by inoculation of BEI Resources HM-846 (Lot 61773986) into Modified Reinforced Clostridial broth and incubated for 2 days at 37°C in an anaerobic atmosphere (< 5% O<sub>2</sub>; Remel™ AnaeroPack™). Broth inoculum was then added to Tryptic Soy agar with 5% defibrinated sheep blood kolles and incubated for 2 days at 37°C in an anaerobic atmosphere to produce this lot.

<sup>3</sup>2 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

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

<sup>5</sup>Purity of this lot was assessed for 7 days at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub> on Tryptic Soy agar with 5% defibrinated sheep blood.

**Figure 1: Colony Morphology**



**Date:** 22 MAY 2017

**Signature:**



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