

***Bifidobacterium breve*, Strain EX336960VC18**

**Catalog No. HM-411**

**Product Description:** *Bifidobacterium breve* (*B. breve*), strain EX336960VC18 was isolated in 2010 from a human mid-vaginal wall in Richmond, Virginia, USA.

**Lot<sup>1,2</sup>: 70005126**

**Manufacturing Date: 27APR2017**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology <sup>3</sup>  Motility (wet mount)	Gram-positive rod Report results  Report results	Gram-positive rod Circular, convex, entire, smooth, translucent and white (Figure 1) Non-motile
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 1420 base pairs)	≥ 99% sequence identity to <i>B. breve</i> type strain (GenBank: AP01234.1)	99.9% sequence identity to <i>B. breve</i> type strain (GenBank: AP01234.1)
<b>Purity (post-freeze)</b> Anaerobic growth <sup>4</sup>  Aerobic growth <sup>5</sup>	Consistent with expected colony morphology Consistent with expected colony morphology	Consistent with expected colony morphology 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.

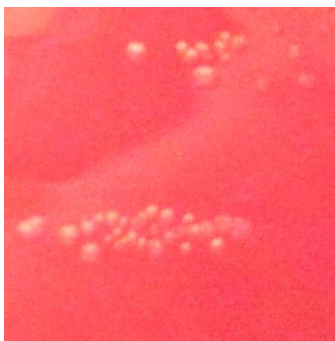
<sup>2</sup>*B. breve*, strain EX336960VC18 was deposited by Professor Gregory A. Buck, Director, Center for the Study of Biological Complexity, Department of Microbiology and Immunology, Virginia Commonwealth University Medical Center, Richmond, Virginia, USA. Lot 70005126 of HM-411 was produced by inoculation of BEI Resources HMS-411 (Lot: 60305493) into Reinforced Clostridial broth and incubated for 2 days at 37°C in an anaerobic atmosphere (< 0.5% O<sub>2</sub>; Remel™ AnaeroPack®-Anaero). The material from the initial growth was passaged once in Reinforced Clostridial medium for 1 day at 37°C in an anaerobic atmosphere to produce this lot.

<sup>3</sup>1 day 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**



## Certificate of Analysis for HM-411

**Date:** 13 SEP 2017

**Signature:**   
BEI Resources Authentication

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