

***Bifidobacterium adolescentis*, Strain L2-32**

**Catalog No. HM-633**

**Product Description:** *Bifidobacterium adolescentis* (*B. adolescentis*), strain L2-32 was obtained in 1996 from the fecal sample of a healthy two-year-old in Scotland, United Kingdom.

**Lot<sup>1,2</sup>: 70016946**

**Manufacturing Date: 13JUL2018**

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, convex, entire, translucent and gray (Figure 1) Non-motile
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (1350 base pairs)	≥ 99% sequence identity to <i>B. adolescentis</i> , strain L2-32 (GenBank: AAXD02000018.1)	100% sequence identity to <i>B. adolescentis</i> , strain L2-32 (GenBank: AAXD02000018.1) <sup>4</sup>
<b>Purity (post-freeze)</b> Anaerobic growth <sup>5</sup>  Aerobic growth <sup>6</sup>	Consistent with expected colony morphology No growth	Consistent with expected colony morphology No growth
<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. adolescentis*, strain L2-32 was deposited by Harry J. Flint and Sylvia H. Duncan, Department of Gut Health, Rowett Institute of Nutrition and Health, University of Aberdeen, Bucksburn, Aberdeen, Scotland, UK. HM-633 lot 70016946 was produced by inoculation of BEI Resources HMS-633 lot 61859903 into Modified Reinforced Clostridial broth and incubated for 2 days at 37°C in an anaerobic atmosphere (< 0.5% O<sub>2</sub>; Remel™ Pack-Anaero™ R681001). Broth inoculum was added to Tryptic Soy agar with 5% defibrinated sheep blood kolles, which were grown for 2 days 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>Also consistent with *B. faecale*

<sup>5</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>6</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**



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15 AUG 2018

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