b|e|i RESOURCES
SUPPORTING INFECTIOUS DISEASE RESEARCH

Certificate of Analysis for HM-633

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 infant in Aberdeen, Scotland, United Kingdom.

Lot[1,2]: 61859902 **Manufacturing Date: 26JUL2013**

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology[3]	 Gram-positive rods Report results	 Gram-positive rods Circular, low convex, entire, smooth and gray (Figure 1)
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1430 base pairs)	≥ 99% identical to GenBank: AAXD02000018 (*B. adolescentis*, strain L2-32)	≥ 99% identical to GenBank: AAXD02000018 (*B. adolescentis*, strain L2-32)
Viability (post-freeze)[3]	Growth	Growth

[1]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.
[2]*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 was produced by inoculation of the deposited material into Modified Reinforced Clostridial broth and incubated for 48 hours at 37°C in an anaerobic atmosphere (90% N_2:5% CO_2:5% H_2). Broth inoculum was added to kolles and grown for 48 hours at 37°C in an anaerobic atmosphere to produce this lot. Purity of this lot was assessed for 7 days under propagation conditions.
[3]48 hours at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

Figure 1

Date: 05 NOV 2013 **Signature:**

Title: Technical Manager, BEI Authentication or designee

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.

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BEI Resources
www.beiresources.org
E-mail: contact@beiresources.org
Tel: 800-359-7370
Fax: 703-365-2898