

***Stomatobaculum longum* (Deposited as *Lachnospiraceae* sp.), Strain ACC2**

**Catalog No. HM-480**

**Product Description:** *Stomatobaculum longum* (*S. longum*), strain ACC2 was isolated in March 2010 from the subgingival plaque of a 25-year-old black female. **HM-480 was deposited as *Lachnospiraceae* sp., however this organism has been reclassified as *Stomatobaculum longum*.**

**Lot<sup>1,2</sup>: 60609328**

**Manufacturing Date: 01FEB2012**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology <sup>3</sup> Colony morphology <sup>4</sup>	Report results Report results	Gram-positive rod Poor growth on agar
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 1460 base pairs)	≥ 99% sequence identity to <i>S. longum</i> , strain ACC2 (GenBank: AGEL01000013)	99.7% sequence identity to <i>S. longum</i> , strain ACC2 (GenBank: AGEL01000013)
<b>Viability (post-freeze)<sup>5</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>*S. longum*, strain ACC2 was deposited by Dr. Maria V. Sizova, Ph.D., Department of Biology, Northeastern University, Boston, Massachusetts. The deposited material was inoculated into Trypticase-Yeast Extract broth and incubated for 2 days at 37°C in an anaerobic atmosphere (80% N<sub>2</sub>:10% CO<sub>2</sub>:10% H<sub>2</sub>). The material from the initial growth was passaged once in Trypticase-Yeast Extract broth for 3 days at 37°C in an anaerobic atmosphere then passaged once in Trypticase-Yeast Extract broth for 2 days at 37°C in an anaerobic atmosphere to produce this lot.

<sup>3</sup>*S. longum* stains Gram-variable but is structurally Gram-positive. For additional information, please refer to Sizova, M. V., et al. "*Stomatobaculum longum* gen. nov., sp. nov., an Obligately Anaerobic Bacterium from the Human Oral Cavity." *Int. J. Syst. Evol. Microbiol.* 63 (2013): 1450-1456. PubMed: 22843721.

<sup>4</sup>2 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

<sup>5</sup>2 days at 37°C in an anaerobic atmosphere in Trypticase-Yeast Extract broth (*S. longum*, strain ACC2 does not grow well on agar)

**Date:** 28 FEB 2017

**Signature:** 

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