

***Lachnospiraceae* sp., Strain 1_4_56FAA**

Catalog No. HM-161

Product Description: *Lachnospiraceae* sp., strain 1_4_56FAA was obtained from inflamed biopsy tissue taken from the terminal ileum of a 29-year-old female patient with Crohn's disease.

Lot^{1,2}: 61119719

Manufacturing Date: 16AUG2012

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology ³ Colony morphology ⁴	Report results Report results	Gram-variable rods Pinpoint (Figure 1)
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 970 base pairs)	≥ 99% identical to GenBank: ACTN01000028 (<i>Lachnospiraceae</i> sp., strain 1_4_56FAA)	≥ 99% identical to GenBank: ACTN01000028 (<i>Lachnospiraceae</i> sp., strain 1_4_56FAA)
Viability (post-freeze)⁴	Growth	Growth

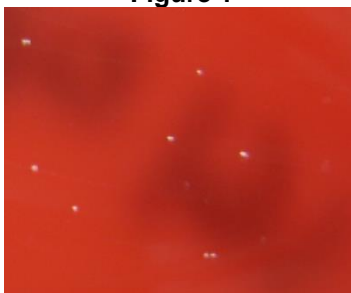
¹Quality control of HMP material is only performed to demonstrate that the material distributed by BEI Resources is identical to the deposited material. It should not be considered a complete characterization of the deposited organism.

²*L. bacterium*, strain 1_4_56FAA was deposited by Professor Emma Allen-Vercoe, Department of Molecular and Cellular Biology, University of Guelph, Guelph, Ontario, Canada. The deposited material was inoculated into Trypticase-Yeast Extract (TY) broth and incubated for 72 hours at 37°C and anaerobic atmosphere (80% N₂:10% CO₂:10% H₂). The material from the initial growth was passaged once in TY broth for 72 hours at 37°C and anaerobic atmosphere to produce this lot.

³*Lachnospiraceae* species have a Gram-positive cell wall but may stain Gram-variable or Gram-negative; see Lawson, P. A., et al. "Anaerobes: A Piece in the Puzzle for Alternative Biofuels." *Anaerobe* 17 (2011): 206-210. PubMed: 21699990.

⁴96 hours at 37°C and anaerobic atmosphere on Tryptic Soy Agar with 5% defibrinated sheep blood

Figure 1



Date: 16 JAN 2013

Signature:

Title:

Technical Manager, BEI Authentication or designee

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