

***Lachnospiraceae* bacterium, Strain 6_1_63FAA**

Catalog No. HM-150

Product Description:

Lachnospiraceae bacterium, strain 6_1_63FAA was obtained from a healthy biopsy sample taken from the ascending colon of a 51-year-old female patient with remittent Crohn's disease. HM-150 lot 70041376 was produced by the inoculation of BEI Resources seed lot 60838107 into Modified Trypticase-Yeast Extract broth and incubated for 2 days at 37°C and anaerobic atmosphere (< 5% O₂; Remel™ Pack-Anaero™). The material from the initial growth was passaged once in Modified Trypticase-Yeast Extract broth for 2 days at 37°C in an anaerobic atmosphere to produce this lot.

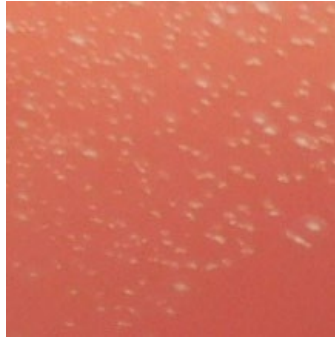
Note: Quality control of HMP material is only performed to demonstrate that the material distributed by BEI Resources is identical to the deposited material. It should not be considered a complete characterization of the deposited organism.

Lot: 70041376

Manufacturing Date: 26MAR2021

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology 2 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood Colony morphology 2 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood Motility (wet mount)	Report results Report results Report results	Gram-variable rods Circular, convex, entire, translucent and light gray to clear (Figure 1) Non-motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1430 base pairs)	≥ 99% sequence identity to <i>Lachnospiraceae</i> bacterium, strain 6_1_63FAA (GenBank: ACTV01000014.1)	99.86% sequence identity to <i>Lachnospiraceae</i> bacterium, strain 6_1_63FAA (GenBank: ACTV01000014.1)
Purity (post-freeze) Anaerobic 7 days at 37°C on Tryptic Soy agar with 5% defibrinated sheep blood Aerobic with 5% CO ₂ 7 days at 37°C on Tryptic Soy agar with 5% defibrinated sheep blood	Growth consistent with expected colony morphology Report results	Growth consistent with expected colony morphology No growth
Viability (post-freeze) 2 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood	Growth	Growth

Figure 1: Colony Morphology



/Heather Couch/
Heather Couch

Program Manager or designee, ATCC Federal Solutions

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