

Faecalibacterium prausnitzii, Strain KLE1255

Catalog No. HM-473

Product Description:

Faecalibacterium prausnitzii (*F. prausnitzii*), strain KLE1255 was isolated in August 2009 from human feces. HM-473 was produced by inoculation of the BEI Resources seed lot 60609348 into Modified Chopped Meat broth with carbohydrates and rumen and incubated for 3 days at 37°C in an anaerobic atmosphere (< 0.5% O₂; Remel™ AnaeroPack™). The material from the initial growth was passaged once in Modified Chopped Meat broth with carbohydrates and rumen for 3 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: 70080070

Manufacturing Date: 12JAN2026

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology 3 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% Colony morphology 3 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood Motility (wet mount)	Report results No growth Non-motile	Gram-negative rods ¹ No growth ² Non-motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1260 base pairs)	≥ 99% identical to <i>F. prausnitzii</i> , strain KLE1255 (GenBank: AECU01000060.1)	99.9% identical to <i>F. prausnitzii</i> , strain KLE1255 (GenBank: AECU01000060.1) ³
Purity (post-freeze) Anaerobic 8 days at 37°C on Tryptic Soy agar with 5% defibrinated sheep blood Aerobic with 5% CO ₂ 8 days at 37°C on Tryptic Soy agar with 5% defibrinated sheep blood	No growth No growth	No growth No growth
Viability (post-freeze) 3 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood	Growth	Growth

¹Bacteria of the order *Clostridiales* have a Gram-positive cell wall but may stain Gram-variable or Gram-negative; Lawson, P. A., et al. "Anaerobes: A Piece in the Puzzle for Alternative Biofuels." *Anaerobe* 17 (2011): 206-210. PubMed: 21699990.

²*F. prausnitzii* is particularly sensitive to air and does not grow on blood agar. For more information, please refer to Cato, E. P., C. W. Salmon and W. E. C. Moore. "*Fusobacterium prausnitzii* (Hauduroy et al.) Moore and Holdeman: Emended Description and Designation of Neotype Strain." *Int. J. Syst. Bacteriol.* 24 (1974): 225-229.

³Also consistent with other *Faecalibacterium* species.

/Sonia Bjorum Brower/

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10 MAR 2026

Technical Manager or designee, ATCC Federal Solutions

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