

**Faecalibacterium prausnitzii, Strain KLE1255**

**Catalog No. HM-634**

**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% O<sub>2</sub>; Remel™ AnaeroPack™). Broth inoculation 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. Quality control testing was completed under propagation conditions unless otherwise noted.

**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: 70064251**

**Manufacturing Date: 13NOV2023**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology 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 Report results  Report results	Gram-negative rods <sup>1</sup> No growth <sup>2</sup>  Non-motile
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 1240 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) <sup>3</sup>
<b>Purity (post-freeze)</b> Anaerobic 10 days at 37°C on Tryptic Soy agar with 5% defibrinated sheep blood Aerobic with 5% CO <sub>2</sub> 10 days at 37°C on Tryptic Soy agar with 5% defibrinated sheep blood	Report results  Report results	No growth  No growth
<b>Viability (post-freeze)</b>	Growth	Growth

<sup>1</sup>Bacteria 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.

<sup>2</sup>*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.

<sup>3</sup>Also consistent with other *Faecalibacterium* species.

/Sonia Bjorum Brower/

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10 JAN 2024

Technical Manager or designee, ATCC Federal Solutions

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