

***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 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™ Anaero Pack™). 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.

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: 70031170**

**Manufacturing Date: 10FEB2020**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology 4 days at 37°C in an anaerobic atmosphere in Modified Chopped Meat broth with carbohydrates and rumen Motility (wet mount)	Report results Report results  Report results	Gram-positive rod <sup>1</sup> No growth on agar  Non-motile
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA (rRNA) gene (~ 1420 base pairs)	≥ 99% identical to <i>F. prausnitzii</i> , strain KLE1255 (GenBank: AECU01000060.1)	99.8% identical to <i>F. prausnitzii</i> , strain KLE1255 (GenBank: AECU01000060.1)
<b>Purity (post-freeze)</b> Anaerobic 4 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood Aerobic 7 days at 37°C in an aerobic atmosphere with 5% CO <sub>2</sub> on Tryptic Soy agar with 5% defibrinated sheep blood	No growth  No growth	No growth  No growth
<b>Viability (post-freeze)</b> 4 days at 37°C in an anaerobic atmosphere in Modified Chopped Meat broth with carbohydrates and rumen	Growth	Growth

<sup>1</sup>Bacteria of the order *Clostridiales* 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.

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