

***Faecalibacterium prausnitzii*, Strain KLE1255**

Catalog No. HM-473

Product Description: *Faecalibacterium prausnitzii* (*F. prausnitzii*), strain KLE1255 was isolated in August 2009 from human feces.

Lot^{1,2}: 70008809

Manufacturing Date: 29SEP2017

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ^{3,4} Motility (wet mount)	Gram-negative rod Report results Report results	Gram-negative rod No growth on agar Non-motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 590 base pairs) (740 base pairs)	≥ 99% sequence identity to <i>F. prausnitzii</i> , strain KLE1255 (GenBank: AECU01000060) ≥ 99% sequence identity to <i>F. prausnitzii</i> type strain (GenBank: NR_028961.1)	100% sequence identity to <i>F. prausnitzii</i> , strain KLE1255 (GenBank: AECU01000060) 98% sequence identity to <i>F. prausnitzii</i> type strain (GenBank: NR_028961.1) ⁵
Purity (post-freeze) Anaerobic growth ⁶ Aerobic growth ⁷	Report results Report results	No growth No growth
Viability (post-freeze)⁸	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*F. prausnitzii*, strain KLE1255 was deposited by Kathrin Witt, Department of Biology, Northeastern University, Boston, Massachusetts, USA. Lot 70008809 of HM-743 was produced by the inoculation of BEI Resources HMS-743 lot 60609348 into Modified Chopped Meat broth with carbohydrates and rumen and incubated for 2 days at 37°C in an anaerobic atmosphere (< 0.5% O₂; Remel™ Anaero Pack™). The material from the initial growth was passaged once in Modified Chopped Meat broth with carbohydrates and rumen for 2 days at 37°C in an anaerobic atmosphere to produce this lot.

³4 days at 37°C in an anaerobic atmosphere on Modified Chopped Meat agar with carbohydrates and rumen

⁴*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.

⁵*F. prausnitzii*, strain KLE1255 has a ≥ 99% sequence identity to other *F. prausnitzii* strains.

⁶Purity of this lot was assessed for 7 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood.

⁷Purity of this lot was assessed for 7 days at 37°C in an aerobic atmosphere with 5% CO₂ on Tryptic Soy agar with 5% defibrinated sheep blood.

⁸4 days at 37°C and anaerobic atmosphere in Modified Chopped Meat broth with carbohydrates and rumen

Date: 20 NOV 2017

Signature:

BEI Resources Authentication

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