

***Fusobacterium nucleatum*, Strain MJR7757B**

Catalog No. HM-1289

Product Description: *Fusobacterium nucleatum* (*F. nucleatum*), strain MJR7757B is a vaginal isolate obtained in 2014 from a pregnant woman in St. Louis, Missouri, USA.

Lot^{1,2}: 70006645

Manufacturing Date: 13JUL2017

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ³ Motility (wet mount) VITEK® MS (MALDI-TOF)	Gram-negative rod Report results Report results <i>F. nucleatum</i>	Gram-negative rod Punctiform and gray Non-motile <i>F. nucleatum</i> (99.9%)
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 310 base pairs) (~ 700 base pairs)	≥ 99% sequence identity to <i>F. nucleatum</i> , strain MJR7757B (GenBank: LRPY01000009.1) ≥ 99% sequence identity to depositor's sequence	100% sequence identity to <i>F. nucleatum</i> , strain MJR7757B (GenBank: LRPY01000009.1) 100% sequence identity to depositor's sequence
Purity (post-freeze) Anaerobic growth ⁴ Aerobic growth ⁵	Consistent with expected colony morphology No growth	Consistent with expected colony morphology No growth
Viability (post-freeze)³	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. nucleatum*, strain MJR7757B was deposited by Amanda Lewis, Ph.D., Assistant Professor, Department of Molecular Microbiology, Washington University School of Medicine, St. Louis, Missouri, USA. HM-1289 was produced by inoculation of the deposited material into Modified Chopped Meat broth and incubated for 2 days at 37°C in an anaerobic atmosphere (< 0.5% O₂; RemeI™ AnaeroPack-Anaero™). The material from the initial growth was passaged once in Modified Chopped Meat broth for 1 day at 37°C in an anaerobic atmosphere to produce this lot.

³2 days at 37°C in an anaerobic atmosphere on Brucella agar with hemin (5 µg/mL) and vitamin K1 (10 µg/mL) supplemented with 5% defibrinated sheep blood

⁴Purity of this lot was assessed for 7 days at 37°C in an anaerobic atmosphere on Brucella agar with hemin (5 µg/mL) and vitamin K1 (10 µg/mL) supplemented with 5% defibrinated sheep blood.

⁵Purity of this lot was assessed for 7 days at 37°C in an aerobic atmosphere with 5% CO₂ on Brucella agar with hemin (5 µg/mL) and vitamin K1 (10 µg/mL) supplemented with 5% defibrinated sheep blood.

Date: 03 NOV 2017

Signature: 

BEI Resources Authentication

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