

***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. HM-1289 was produced by inoculation of BEI Resources seed lot 70006593 into Chopped Meat broth and grown for 2 days at 37°C in an anaerobic atmosphere (< 5% O₂; Remel™ Pack-Anaero™). Broth inoculum was added to Tryptic Soy agar with 5% defibrinated sheep blood kolles, which were grown for 2 days at 37°C in an aerobic 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: 70068828
Manufacturing Date: 14JUN2024

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology Motility (wet mount) VITEK® MS (MALDI-TOF)	Gram-positive rods Report results Report results <i>F. nucleatum</i>	Gram-negative rods Circular, slightly peaked, entire, smooth and gray Non-motile <i>F. nucleatum</i> (99.9%)
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 990 base pairs)	≥ 99% sequence identity to <i>F. nucleatum</i> , strain MJR7757B (GenBank: LRPY01000009.1)	100% sequence identity to <i>F. nucleatum</i> , strain MJR7757B (GenBank: LRPY01000009.1)
Purity (post-freeze) Anaerobic 7 days at 37°C on Tryptic Soy agar with 5% defibrinated sheep blood Aerobic with 5% CO ₂ 7 days at 37°C on Tryptic Soy agar with 5% defibrinated sheep blood	Growth consistent with expected colony morphology Growth consistent with expected colony morphology or no growth	Growth consistent with expected colony morphology No growth
Viability (post-freeze)	Growth	Growth

/Sonia Bjorum Brower/

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16 AUG 2024

Technical Manager or designee, ATCC Federal Solutions

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