

***Fusobacterium nucleatum*, Strain CTI-07**

Catalog No. HM-997

Product Description:

Fusobacterium nucleatum (*F. nucleatum*), strain CTI-07 was isolated in 2012 from colonic tumor tissue from a human patient with colorectal carcinoma in Massachusetts, USA. HM-997 lot 70056680 was produced by the inoculation of BEI Resources seed lot 63140985 into Modified Chopped Meat medium and incubated for 1 day 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 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: 70056680

Manufacturing Date: 21OCT2022

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology Motility (wet mount)	Gram-negative rods Report results Report results	Gram-negative rods Circular, convex, entire, opaque, smooth and gray Non-motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1360 base pairs)	≥ 99% sequence identity to <i>F. nucleatum</i> , strain CTI-07 (GenBank: AXNU01000075.1)	99.8% sequence identity to <i>F. nucleatum</i> , strain CTI-07 (GenBank: AXNU01000075.1)
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	Consistent with expected colony morphology Consistent with expected colony morphology or no growth	Consistent with expected colony morphology Consistent with expected colony morphology
Viability (post-freeze)	Growth	Growth

/Sonia Bjorum Brower/

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Technical Manager or designee, ATCC Federal Solutions

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