

***Fusobacterium nucleatum*, Strain CTI-05**

Catalog No. HM-995

Product Description:

Fusobacterium nucleatum (*F. nucleatum*), strain CTI-05 was isolated in 2012 from colonic tumor tissue from a human patient with colorectal carcinoma in Massachusetts, USA. HM-995 was produced by the inoculation of BEI Resources seed lot 63140981 into Modified Chopped Meat medium and incubated for 2 days at 37°C in an anaerobic atmosphere (< 5% O₂; Remel™ Pack-Anaero™). Broth inoculum was added Tryptic Soy agar with 5% defibrinated sheep blood kolles, which were grown for 2 days at 37°C in an anaerobic atmosphere. 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: 70058396

Manufacturing Date: 03FEB2023

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology Motility (wet mount)	Gram-negative rods Report results Report results	Gram-negative rods Irregular, convex, undulate, opaque and gray (Figure 1) Non-motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1420 base pairs)	≥ 99% sequence identity to <i>F. nucleatum</i> , strain CTI-05 (GenBank: AXNW01000011.1)	99.8% sequence identity to <i>F. nucleatum</i> , strain CTI-05 (GenBank: AXNW01000011.1) 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 No growth	Growth consistent with expected colony morphology No growth
Viability (post-freeze)	Growth	Growth

¹ Also consistent with other *Fusobacterium* species.

Figure 1: Colony Morphology



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