

***Fusobacterium nucleatum*, Strain CTI-06**

Catalog No. HM-996

Product Description: *Fusobacterium nucleatum* (*F. nucleatum*), strain CTI-06 was isolated in 2012 from colonic tumor tissue from a human patient with colorectal carcinoma in Massachusetts, USA.

Lot^{1,2}: 63140983

Manufacturing Date: 09JAN2015

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ³ Motility (wet mount)	Gram-negative rods Report results Report results	Gram-negative rods Circular, low convex, entire, smooth and gray (Figure 1) Non-motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1210 base pairs)	≥ 99% identical to GenBank: AXNV01000069 (<i>F. nucleatum</i> , strain CTI-06)	≥ 99% identical to GenBank: AXNV01000069 (<i>F. nucleatum</i> , strain CTI-06)
Purity (post-freeze) Anaerobic growth ⁴ Aerobic growth ⁵	Growth consistent with <i>F. nucleatum</i> No growth	Growth consistent with <i>F. nucleatum</i> 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 CTI-06 was deposited by Wendy S. Garrett, M.D., Ph.D., Assistant Professor, and Aleksander D. Kostic, Department of Immunology and Infectious Diseases, Harvard School of Public Health, Boston, Massachusetts, USA. HM-996 was produced by inoculation of the deposited material into Modified Chopped Meat medium which was used to inoculate Tryptic Soy agar with 5% defibrinated sheep blood plates and both plates and medium were grown at 37°C in an anaerobic atmosphere (< 5% O₂; Remel™ Pack-Anaero™) for 47 hours. Colonies from the plates were scraped into the Modified Chopped Meat medium growth and the growth mixture was added to Tryptic Soy agar with 5% defibrinated sheep blood kolles which were grown for 47 hours at 37°C in an anaerobic atmosphere to produce this lot.

³50 hours at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

⁴Purity of this lot was assessed for 7 days on Tryptic Soy agar with 5% defibrinated sheep blood at 37°C in an anaerobic atmosphere.

⁵Purity of this lot was assessed for 50 hours on Tryptic Soy agar with 5% defibrinated sheep blood at 37°C in an aerobic atmosphere with 5% CO₂.

Figure 1



Date: 23 MAR 2015

Signature: 

Title: Technical Manager, BEI Authentication or designee

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