SUPPORTING INFECTIOUS DISEASE RESEARCH

## 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<sup>1,2</sup>: 63140983

#### Manufacturing Date: 09JAN2015

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Cellular morphology	Gram-negative rods	Gram-negative rods
Colony morphology <sup>3</sup>	Report results	Circular, low convex, entire, smooth and gray (Figure 1)
Motility (wet mount)	Report results	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 <sup>4</sup> Aerobic growth <sup>5</sup>	Growth consistent with <i>F. nucleatum</i> No growth	Growth consistent with <i>F. nucleatum</i> No growth
Viability (post-freeze) <sup>3</sup>	Growth	Growth

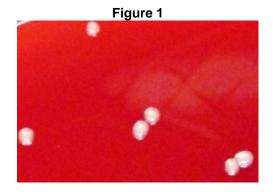
<sup>1</sup>Quality control of HMP material is only performed to demonstrate that the material distributed by BEI Resources is identical to the deposited material. It should not be considered a complete characterization of the deposited organism.

<sup>2</sup>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% O<sub>2</sub>; Remel<sup>™</sup> Pack-Anaero<sup>™</sup>) 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.

<sup>3</sup>50 hours at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

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

<sup>5</sup>Purity 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% CO<sub>2</sub>.



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# **Certificate of Analysis for HM-996**

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# Signature: Jack Cuch

Date: 23 MAR 2015

Title:

Technical Manager, BEI Authentication or designee

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