

***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.

**Lot<sup>1,2</sup>: 63140984**

**Manufacturing Date: 16JAN2015**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology <sup>3</sup>  Motility (wet mount)	Gram-negative rods Report results  Report results	Gram-negative rods Circular, convex, entire, opaque, smooth and gray (Figure 1) Non-motile
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 1410 base pairs)	≥ 99% identical to GenBank: AXNU01000075 ( <i>F. nucleatum</i> , strain CTI-07)	≥ 99% identical to GenBank: AXNU01000075 ( <i>F. nucleatum</i> , strain CTI-07)
<b>Purity (post-freeze)</b> 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
<b>Viability (post-freeze)<sup>3</sup></b>	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.

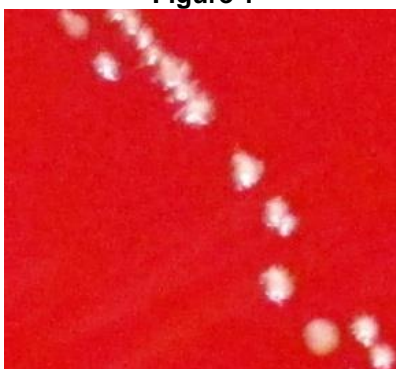
<sup>2</sup>*F. nucleatum*, strain CTI-07 was deposited by Wendy S. Garrett, M.D., Ph.D., Assistant Professor, and Aleksander D. Kostic, Department of Immunology and Infectious Diseases, Harvard School of Public Health, Boston, Massachusetts, USA. HM-997 was produced by inoculation of the deposited material into Modified Chopped Meat medium and incubated for 47 hours at 37°C in an anaerobic atmosphere (< 5% O<sub>2</sub>; Remel™ Pack-Anaero™). Broth inoculum was added to Tryptic Soy agar with 5% defibrinated sheep blood kolles which were grown 46 hours at 37°C in an anaerobic atmosphere to produce this lot.

<sup>3</sup>48 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 48 hours on Tryptic Soy agar with 5% defibrinated sheep blood at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub>.

**Figure 1**



**Date:** 02 APR 2015

**Signature:** 

**Title:** Technical Manager, BEI Authentication or designee

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