

***Fusobacterium nucleatum* subsp. *animalis*, Strain D11**

Catalog No. HM-75

Product Description:

Fusobacterium nucleatum (*F. nucleatum*) subsp. *animalis*, strain D11 was isolated in 2007 from normal biopsy tissue taken from the descending colon of a 19-year-old woman with inactive Crohn's disease in Calgary, Alberta, Canada. HM-75 lot 70031760 was produced by the inoculation of the BEI Resources seed lot into Modified Chopped Meat broth and incubated for 2 days at 37°C in an anaerobic atmosphere (< 0.5% O₂; Remel™ Anaero Pack™). The material from the initial growth was passaged once in Modified Chopped Meat broth for 2 days at 37°C in an anaerobic atmosphere to produce this lot.

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.

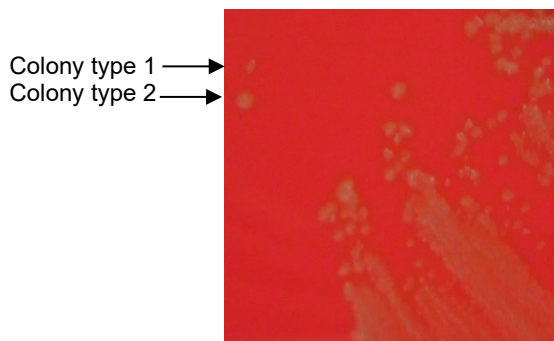
Lot: 70031760

Manufacturing Date: 10JAN2020

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphologies ¹ 2 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood Motility 2 days at 37°C in an anaerobic atmosphere in Remel™ Motility Test Medium w/TTC Indicator	Gram-negative rods Report results Report results	Gram-negative rods Colony type 1: Flat, irregular, undulate and cream (Figure 1) Colony type 2: Circular, convex, entire, smooth and cream (Figure 1) Non-motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1420 base pairs)	≥ 99% sequence identity to <i>F. nucleatum</i> subsp. <i>animalis</i> , strain D11 (GenBank: ACDS02000009.1)	99.6% sequence identity to <i>F. nucleatum</i> subsp. <i>animalis</i> , strain D11 (GenBank: ACDS02000009.1)
Purity (post-freeze) 7 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood 7 days at 37°C in an aerobic atmosphere with 5% CO ₂ on Tryptic Soy agar with 5% defibrinated sheep blood	Growth consistent with expected colony morphology Report results	Growth consistent with expected colony morphology Growth consistent with expected colony morphology
Viability (post-freeze) 2 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood	Growth	Growth

¹Two colony types were observed. Plating of the individual colony types showed that they did not revert to the mixed colony type. The 16S ribosomal RNA gene of each colony type was sequenced and found to have 99.7% sequence identity to the other colony type and 99.6% sequence identity to *F. nucleatum* subsp. *animalis*, strain D11 (GenBank: ACDS02000009.1).

Figure 1: Colony Morphology



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Program Manager or designee, ATCC Federal Solutions

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