

***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 70056278 was produced by the inoculation of BEI Resources seed lot 62202651 into Modified Chopped Meat medium and incubated for 3 days at 37°C in an anaerobic atmosphere (< 5% O₂; Remel™ Pack-Anaero™). The material from the initial growth was passaged once in Modified Chopped Meat medium for 4 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.

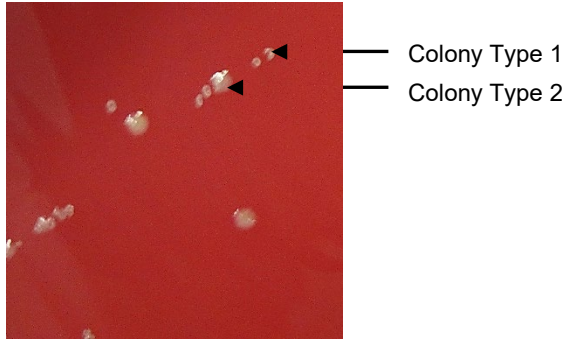
Lot: 70056278

Manufacturing Date: 01NOV2022

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, smooth 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 (~ 1390 base pairs)	≥ 99% sequence identity to <i>F. nucleatum</i> subsp. <i>animalis</i> , strain D11 (GenBank: ACDS02000009.1)	99.2% sequence identity to <i>F. nucleatum</i> , subsp. <i>animalis</i> , strain D11 (GenBank: ACDS02000009.1)
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) 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, consistent with previous lot. Gram-stain and motility tests for each colony confirmed both colonies as Gram-negative rods and non-motile.

Figure 1: Colony Morphology



/Sonia Bjorum Brower/
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