

***Fusobacterium periodonticum*, Strain 1_1_41FAA**
Catalog No. HM-54
Product Description:

Fusobacterium periodonticum (*F. periodonticum*), strain 1_1_41FAA was isolated in 2007 from the gastrointestinal tract during a colon cancer screening in Calgary, Alberta, Canada. HM-54 lot 70037973 was produced by the inoculation of the deposited material into Modified Chopped Meat broth and grown for 2 days at 37°C in an anaerobic atmosphere (< 5% O₂; Remel™ Pack-Anaero™). Broth inoculum was added to Modified Chopped Meat broth, which was grown for 1 day at 37°C in an anaerobic atmosphere to produce this lot. **Note: The label on the vial is incorrect; the strain was deposited as *Fusobacterium* sp., and was reclassified in 2014 as *Fusobacterium periodonticum* based on 16S ribosomal RNA gene sequence analysis.**

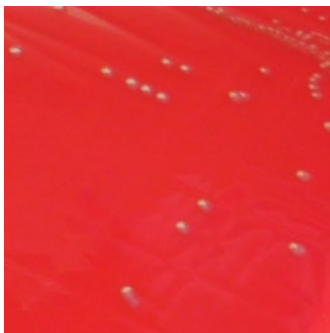
Note: Quality control of HMP material is only performed to demonstrate that the material distributed by BEI Resources is identical to the deposited material. It should not be considered a complete characterization of the deposited organism.

Lot: 70037973
Manufacturing Date: 20AUG2020

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology 2 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood Motility (wet mount) VITEK® MS (MALDI-TOF)	Gram-positive rods Report results Report results <i>F. periodonticum</i>	Gram-positive rods Circular, convex, entire, smooth and gray (Figure 1) Non-motile <i>F. periodonticum</i> (99.9%)
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1410 base pairs)	≥ 99% sequence identity to <i>F. periodonticum</i> , strain 1_1_41FAA (GenBank: ADGG01000053.1)	100% sequence identity to <i>F. periodonticum</i> , strain 1_1_41FAA (GenBank: ADGG01000053.1) 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

¹Also consistent with *F. nucleatum*

Figure 1: Colony Morphology



/Heather Couch/

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Program Manager or designee, ATCC Federal Solutions

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