

***Fusobacterium periodonticum*, Strain 1_A_54/D10**

Catalog No. HM-41

Product Description:

Fusobacterium periodonticum (*F. periodonticum*), strain 1_A_54/D10 was isolated in 2007 from an oral swab taken from a 74-year-old male patient with active Crohn's disease in Calgary, Alberta, Canada. HM-41 was produced by inoculation of BEI Resources seed lot 60393650 into Modified Chopped Meat broth and incubated for 2 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 broth for 1 day at 37°C in an anaerobic atmosphere to produce this lot. Quality control testing was completed under propagation conditions unless otherwise noted.

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.

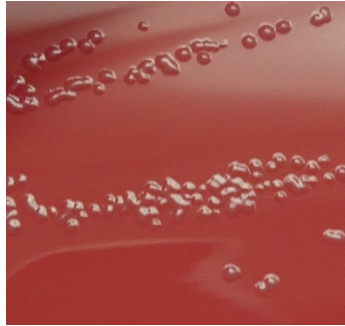
Lot: 70046944

Manufacturing Date: 24SEP2021

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology 2 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood Colony morphology 2 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood Motility (wet mount)	Gram-negative rods Report results Report results	Gram-negative rods Circular, convex, entire, smooth and gray (Figure 1) Non-motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1400 base pairs)	≥ 99% sequence identity to <i>Fusobacterium periodonticum</i> , Strain 1_A_54/D10 (GenBank: ACIF01000047.1)	99.6% sequence identity to <i>Fusobacterium periodonticum</i> , Strain 1_A_54/D10 (GenBank: ACIF01000047.1) 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 *Fusobacterium hwasookii*

Figure 1: Colony Morphology



/Heather Couch/
Heather Couch

03 DEC 2021

Program Manager or designee, ATCC Federal Solutions

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