

Certificate of Analysis for HM-42

Fusobacterium periodonticum, Strain 2_1_31

Catalog No. HM-42

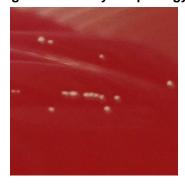
Product Description: Fusobacterium periodonticum (F. periodonticum), strain 2_1_31 was isolated in 2007 from inflamed biopsy tissue taken from the ascending colon of a 25-year-old female patient with active Crohn's disease in Alberta, Canada. Note: The label on the vial is incorrect; the species was identified as Fusobacterium periodonticum in 2014.

Lot^{1,2}: 70015101 Manufacturing Date: 02MAY2018

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Cellular morphology	Gram-negative rods	Gram-negative rods
Colony morphology ³	Report results	Circular, convex, entire, smooth and gray (Figure 1)
Motility (wet mount)	Report results	Non-motile
Genotypic Analysis		
Sequencing of 16S ribosomal RNA gene (~ 1400 base pairs)	≥ 99% sequence identity to F. periodonticum, strain 2_1_31 (GenBank: ACDC03000058.1)	99.8% sequence identity to F. periodonticum, strain 2_1_31 (GenBank: ACDC03000058.1)
Purity (post-freeze)		
Anaerobic growth ⁴	Consistent with expected colony morphology	Consistent with expected colony morphology
Aerobic growth ⁵	No growth	No growth
Viability (post-freeze) ³	Growth	Growth

¹Quality 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.

Figure 1: Colony Morphology



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²F. periodonticum, strain 2_1_31 was deposited by Emma Allen-Vercoe, Assistant Professor, Department of Molecular and Cellular Biology, University of Guelph, Guelph, Ontario, Canada. HM-42 lot 70015101 was produced by the inoculation BEI Resources HMS-42 lot 60110445 into Modified Chopped Meat broth which was incubated for 1 day at 37°C in an anaerobic atmosphere (< 5% O₂; Remel™ Pack-Anaero™). Broth inoculum was passaged once in Modified Chopped Meat broth for 1 day at 37°C in an anaerobic atmosphere to produce this lot.

³¹ day at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

Purity of this lot was assessed for 8 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood.

⁵Purity of this lot was assessed for 8 days at 37°C in an aerobic atmosphere with 5% CO₂ on Tryptic Soy agar with 5% defibrinated sheep blood.



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/Heather Couch/ Heather Couch

01 AUG 2018

Program Manager or designee, ATCC Federal Solutions

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

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