b|e|i RESOURCES

SUPPORTING INFECTIOUS DISEASE RESEARCH

Certificate of Analysis for HM-57

Fusobacterium ulcerans, Strain 12_1B

Catalog No. HM-57

Product Description:

Fusobacterium ulcerans (F. ulcerans), strain 12_1B was isolated in 2007 from a biopsy taken from the inflamed, ascending colon of a 19-year-old female patient with active Crohn's disease in Calgary, Alberta, Canada. Item was deposited as *Fusobacterium* sp., however this organism has been reclassified as *Fusobacterium ulcerans* based on 16S ribosomal RNA gene sequence analysis. The label reflects the old nomenclature. HM-57 was produced by inoculation of BEI Resources seed lot 62013072 into Modified Chopped Meat broth and incubated for 2 days at 37°C in an anaerobic atmosphere (< 5% O_2; Remel™ Pack-Anaero™). The material from the initial growth was passaged once in Modified Chopped Meat broth for 3 days at 37°C in an anaerobic atmosphere to produce this lot. Quality control testing was completed under propagation conditions unless otherwise noted.

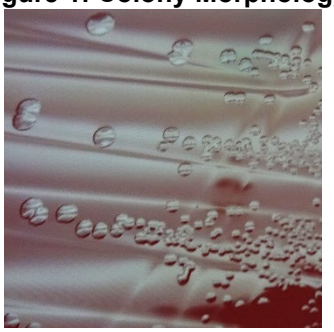
Note: Quality control of HMP material is only performed to demonstrate that the material distributed by BEI Resources is identical to the deposited material. It should not be considered a complete characterization of the deposited organism.

Lot: 70063242 **Manufacturing Date: 25SEP2023**

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Cellular morphology	Gram-negative rods	Gram-negative rods
Colony morphology 2 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood	Report results	Circular, low convex, entire, smooth, translucent 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. ulcerans*, strain 12_1B (GenBank: AGWJ02000019.1)	100% sequence identity to *F. ulcerans*, strain 12_1B (GenBank: AGWJ02000019.1)[1]
Purity (post-freeze)		
Anaerobic 7 days at 37°C on Tryptic Soy agar with 5% defibrinated sheep blood	Report results	Growth consistent with expected colony morphology
Aerobic with 5% CO_2 7 days at 37°C on Tryptic Soy agar with 5% defibrinated sheep blood	Report results	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

[1]Also consistent with other *Fusobacterium* species

Figure 1: Colony Morphology



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/Sonia Bjorum Brower/
Sonia Bjorum Brower 12 DEC 2023
Technical 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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