

Propionibacterium acidifaciens, Strain F0233

Catalog No. HM-8

Product Description:

Propionibacterium acidifaciens (*P. acidifaciens*), strain F0233 was isolated in March 1983 from the subgingival plaque of a 53-year-old black male patient with moderate periodontitis. HM-8 was produced by inoculation of BEI Resources seed lot 60434222 into Modified Reinforced Clostridial broth 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 Reinforced Clostridial broth for 3 days at 37°C in an anaerobic atmosphere to produce this lot.

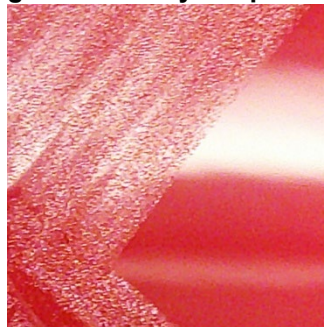
Note: Quality control of HMP material is only performed to demonstrate that the material distributed by BEI Resources is identical to the deposited material. It should not be considered a complete characterization of the deposited organism.

Lot: 70063955

Manufacturing Date: 09OCT2023

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology 3 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood Motility (wet mount)	Gram-positive rods Report results Report results	Gram-positive rods Punctiform and gray (Figure 1) Non-motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1420 base pairs)	≥ 99% sequence identity to <i>P. acidifaciens</i> , strain F0233 (GenBank: FJ577252)	99.9% sequence identity to <i>P. acidifaciens</i> , strain F0233 (GenBank: FJ577252)
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	Report results Report results	Growth consistent with expected colony morphology No growth
Viability (post-freeze) 3 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood	Growth	Growth

Figure 1: Colony Morphology



/Sonia Bjorum Brower/

Sonia Bjorum Brower

12 DEC 2023

Technical Manager or designee, ATCC Federal Solutions

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