

Porphyromonas gingivalis, Strain F0570

Catalog No. HM-1073

Product Description:

Porphyromonas gingivalis (*P. gingivalis*), strain F0570 was isolated in 1984 from the subgingival plaque biofilm of a 46-year-old male patient diagnosed with moderate periodontitis in the United States. HM-1073 lot 70049131 was produced by the inoculation of BEI Resources seed lot 63061134 into Supplemented Tryptic Soy 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 Supplemented Tryptic Soy broth for 2 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.

Lot¹: 70049131

Manufacturing Date: 17DEC2021

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Cellular morphology 2 days at 37°C in an anaerobic atmosphere on Supplemented Tryptic Soy broth	Gram-negative rods	Gram-negative rods
Colony morphology ¹ 7 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood	Report results	No growth on agar
Motility (wet mount)	Report results	Non-motile
Genotypic Analysis		
Sequencing of 16S ribosomal RNA gene (~ 1470 base pairs)	≥ 99% sequence identity to <i>P. gingivalis</i> , strain F0570 (GenBank: AWUW01000085.1)	99.7% sequence identity to <i>P. gingivalis</i> , strain F0570 (GenBank: AWUW01000085.1) ²
Purity (post-freeze)		
Aerobic with 5% CO ₂ 7 days at 37°C on Tryptic Soy agar with 5% defibrinated sheep blood	No growth	No growth
Viability (post-freeze)¹		
2 days at 37°C in an anaerobic atmosphere on Supplemented Tryptic Soy broth	Report results	Growth consistent with expected colony morphology

¹Growth on agar is not recommended for *P. gingivalis*, strain F0570 and may not be reproducible.

²Also consistent with other *Porphyromonas* species.

/Heather Couch/

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17 FEB 2022

Program Manager or designee, ATCC Federal Solutions

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