

***Porphyromonas gingivalis*, Strain F0569**

Catalog No. HM-1072

Product Description:

Porphyromonas gingivalis (*P. gingivalis*), strain F0569 was isolated in 1984 from the subgingival plaque biofilm of a 39-year-old male patient diagnosed with periodontitis in the United States. HM-1072 was produced by inoculation of BEI Resources seed lot 62989152 into Supplemented Tryptic Soy 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 Supplemented Tryptic Soy 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: 70044686

Manufacturing Date: 24JUN2021

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology ¹ 6 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood Colony morphology ¹ 6 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood Motility (wet mount) VITEK® MS (MALDI-TOF)	Gram-negative, pleomorphic rods Report results Report results <i>P. gingivalis</i>	Gram-negative, pleomorphic rods Circular, low convex, entire, smooth and tan (Figure 1) ² Non-motile <i>P. gingivalis</i> (99.9%)
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1430 base pairs)	≥ 99% sequence identity to <i>P. gingivalis</i> , strain F0569 (GenBank: AWUV01000083.1)	99.7% sequence identity to <i>P. gingivalis</i> , strain F0569 (GenBank: AWUV01000083.1)
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 Report results	Growth consistent with expected colony morphology No growth
Viability (post-freeze)¹ 6 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood	Growth	Growth

¹Growth on agar is not recommended for *P. gingivalis*, strain F0569 and may not be reproducible.

²Some punctiform growth may be observed.

Figure 1: Colony Morphology



/Heather Couch/

Heather Couch

03 DEC 2021

Program Manager or designee, ATCC Federal Solutions

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