

Certificate of Analysis for HM-874

Fusobacterium* sp., Strain CM22*Catalog No. HM-874****Product Description:** *Fusobacterium* sp., strain CM22 is a human oral isolate.**Lot^{1,2}:** 63140952**Manufacturing Date:** 19JAN2015

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ³ Motility (wet mount)	Report results Report results Report results	Gram-negative rods Circular, low convex, entire, smooth and gray (Figure 1) Non-motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1350 base pairs)	≥ 99% identical to GenBank: JAQC01000060 (<i>Fusobacterium</i> sp., strain CM22)	≥ 99% identical to GenBank: JAQC01000060 (<i>Fusobacterium</i> sp., strain CM22)
Purity (post-freeze) Anaerobic growth ⁴ Aerobic growth ⁵	Growth consistent with <i>Fusobacterium</i> sp. No growth	Growth consistent with <i>Fusobacterium</i> sp. No growth
Viability (post-freeze)³	Growth	Growth

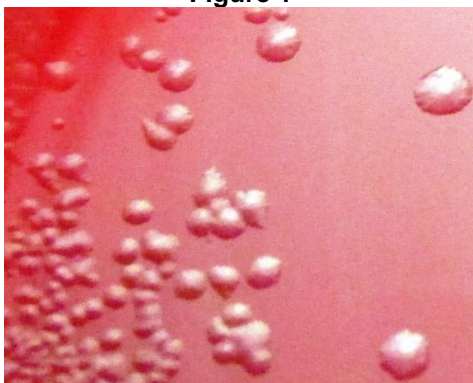
¹Quality control of HMP material is only performed to demonstrate that the material distributed by BEI Resources is identical to the deposited material. It should not be considered a complete characterization of the deposited organism.

²*Fusobacterium* sp., strain CM22 was deposited by Maria V. Sizova, Ph.D., Department of Biology, Northeastern University, Boston, Massachusetts, USA. HM-874 was produced by inoculation of the deposited material into Modified Reinforced Clostridial broth and incubated on Tryptic Soy agar with 5% defibrinated sheep blood plates for 48 hours at 37°C in an anaerobic atmosphere (< 5% O₂; Remel™ Pack-Anaero™). Colonies from the plates were suspended in Modified Chopped Meat medium and used to inoculate a Tryptic Soy agar with 5% defibrinated sheep blood kolle which was grown for 48 hours at 37°C in an anaerobic atmosphere. Colonies from the kolle were suspended in Modified Chopped Meat medium and used to inoculate Tryptic Soy agar with 5% defibrinated sheep blood kolles and grown for 70 hours at 37°C in an anaerobic atmosphere to produce this lot.

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

⁴Purity of this lot was assessed for 8 days on Tryptic Soy agar with 5% defibrinated sheep blood at 37°C in an anaerobic atmosphere.

⁵Purity of this lot was assessed for 50 hours on Tryptic Soy agar with 5% defibrinated sheep blood at 37°C in an aerobic atmosphere with 5% CO₂.

Figure 1

Certificate of Analysis for HM-874

Date: 03 APR 2015

Signature: 

Title: Technical Manager, BEI Authentication or designee

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.

ATCC® is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.

