

Clostridium sp., Strain M62/1

Catalog No. HM-635

Product Description:

Clostridium sp., strain M62/1 was obtained in 2002 from the fecal sample of a healthy adult in Aberdeen, Scotland, United Kingdom. HM-635 was produced by inoculation of BEI Resources seed lot 61144946 into Modified Reinforced Clostridial 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 Modified Reinforced Clostridial broth for 2 days at 37°C in an anaerobic atmosphere to produce this lot.

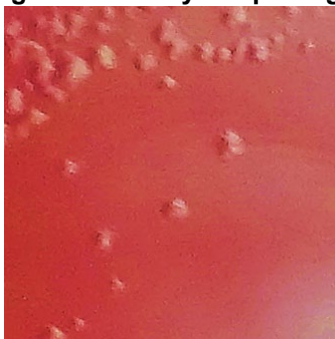
Note: Quality control of HMP material is only performed to demonstrate that the material distributed by BEI Resources is identical to the deposited material. It should not be considered a complete characterization of the deposited organism.

Lot: 70064576

Manufacturing Date: 10NOV2023

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology 7 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 Irregular, flat, undulate, translucent and gray (Figure 1) Motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1400 base pairs)	≥ 99% sequence identity to <i>Clostridium</i> sp., strain M62/1 (GenBank: ACFX02000046.1)	99.8% sequence identity to <i>Clostridium</i> sp., strain M62/1 (GenBank: ACFX02000046.1)
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	Report results Report results	Growth consistent with expected colony morphology No growth
Viability (post-freeze) 7 days at 37°C in an anaerobic atmosphere in Modified Reinforced Clostridial broth	Growth	Growth

Figure 1: Colony Morphology



Certificate of Analysis for HM-635

/Sonia Bjorum Brower/

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31 JAN 2024

Technical Manager or designee, ATCC Federal Solutions

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