

***Clostridium* sp., Strain L2-50**

Catalog No. HM-634

Product Description:

Clostridium sp., strain L2-50 was isolated in 1996 from a fecal sample of a healthy two-year-old infant in Aberdeen, Scotland, UK. HM-634 was produced by the inoculation of BEI Resources seed lot 59958862 into Chopped Meat Carbohydrate 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 Chopped Meat Carbohydrate 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: 70059466

Manufacturing Date: 17APR2023

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 No growth in agar Non-motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1450 base pairs)	≥ 99% sequence identity to <i>Clostridium</i> sp., strain L2-50 (GenBank: AAYW02000018)	99.8% sequence identity to <i>Clostridium</i> sp., strain L2-50 (GenBank: AAYW02000018)
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	No growth No growth
Viability (post-freeze)	Growth	Growth

/Sonia Bjorum Brower/

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Technical Manager or designee, ATCC Federal Solutions

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