

Streptococcus sp., Strain C150

Catalog No. HM-248

Product Description:

Streptococcus sp., strain C150 was isolated in 2006 from expectorated sputum from a 34-year-old female patient with cystic fibrosis. HM-248 was produced by inoculation of BEI Resources seed lot 60771437 into Tryptic Soy broth and grown for 1 day at 37°C in an aerobic atmosphere. The material from the initial growth was passaged once in Tryptic Soy agar kolles with 5% defibrinated sheep blood, which were grown for 2 days at 37°C in an aerobic atmosphere with 5% CO₂ 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: 70065858

Manufacturing Date: 20JAN2024

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology Motility (wet mount)	Gram-positive rods Report results Report results	Gram-positive rods Circular, convex, entire, smooth and gray Non-motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1460 base pairs)	≥ 99% sequence identity to <i>Streptococcus</i> sp., strain C150 (GenBank: ACRI01000045.1)	99.9% sequence identity to <i>Streptococcus</i> sp., strain C150 (GenBank: ACRI01000045.1) ¹
Purity (post-freeze) 7 days at 37°C in an aerobic atmosphere with 5% CO ₂ on Tryptic Soy agar with 5% defibrinated sheep blood	Growth consistent with expected colony morphology	Growth consistent with expected colony morphology
Viability (post-freeze)	Growth	Growth

¹Also consistent with other *Streptococcus* species.

/Sonia Bjorum Brower/

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22 APR 2024

Technical Manager or designee, ATCC Federal Solutions

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