

Actinomyces viscosus, Strain C505

Catalog No. HM-238

Product Description:

Actinomyces viscosus (*A. viscosus*), strain C505 was isolated from expectorated sputum from a 33-year-old female patient with cystic fibrosis in October 2007. HM-238 was produced by inoculation of BEI Resources seed lot 60374728 into *Actinomyces* broth and incubated for 2 days at 37°C in an aerobic atmosphere with 5% CO₂. The material from the initial growth was passaged once in *Actinomyces* broth for 1 day at 37°C in an aerobic atmosphere with 5% CO₂ 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.

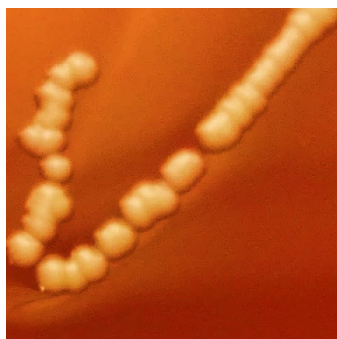
Lot: 70060187

Manufacturing Date: 20APR2023

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology 2 days at 37°C in an aerobic atmosphere with 5% CO ₂ on Tryptic Soy agar with 5% defibrinated sheep blood Motility (wet mount)	Gram-positive rods Report results Report results	Gram-positive rods Circular, convex, entire, smooth and white (Figure 1) Non-motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (1400 base pairs)	≥ 99% sequence identity to <i>A. viscosus</i> , strain C505 (GenBank: ACRE02000031)	100% sequence identity to <i>A. viscosus</i> , strain C505 (GenBank: ACRE02000031) 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) 2 days at 37°C in an aerobic atmosphere with 5% CO ₂ on Tryptic Soy agar with 5% defibrinated sheep blood	Growth	Growth

¹Also consistent with other *Actinomyces* species

Figure 1: Colony Morphology



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Technical Manager or designee, ATCC Federal Solutions

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