

Certificate of Analysis for HM-251

Streptococcus sp., Strain M334

Catalog No. HM-251

Product Description:

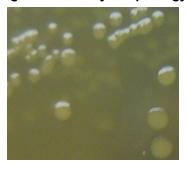
Streptococcus sp., strain M334 was isolated in 2007 from expectorated sputum from a female patient with cystic fibrosis. HM-251 was produced by inoculation of deposited material into Brain Heart Infusion broth and grown for 1 day at 37°C in an aerobic atmosphere. Broth inoculum was added to Brain Heart Infusion kolles, which were grown for 1 day at 37°C in an aerobic atmosphere to produce this lot. Quality control testing was completed under propagation conditions unless otherwise noted.

<u>Note</u>: 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: 70037974 Manufacturing Date: 12AUG2020

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Cellular morphology	Gram-positive cocci	Gram-positive cocci
Colony morphology	Report results	Circular, convex, entire, smooth and cream (Figure 1)
Hemolysis on blood agar	Report results	α-Hemolysis
1 day at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood		
Motility (wet mount)	Report results	Non-motile
Genotypic Analysis		
Sequencing of 16S ribosomal RNA (rRNA) gene	≥ 99% identical to	99.9% identical to
(~ 1500 base pairs)	Streptococcus sp., strain M334 (GenBank: ACRL01000052.1)	Streptococcus sp., strain M334 (GenBank: ACRL01000052.1)
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
7 days at 37°C in an aerobic atmosphere with 5% CO ₂ on Brain Heart Infusion agar	Growth consistent with expected colony morphology	Growth consistent with expected colony morphology
Viability (post-freeze)	Growth	Growth

Figure 1: Colony Morphology



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Program Manager or designee, ATCC Federal Solutions

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.

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