

Corynebacterium amycolatum, Strain SK46

Catalog No. HM-109

Product Description:

Corynebacterium amycolatum (*C. amycolatum*), strain SK46 was isolated from the right arm normal skin of a 57-year-old man. HM-109 was produced by inoculation of BEI Resources seed lot 60051919 into Brain Heart Infusion broth and grown for 1 day at 37°C in an aerobic atmosphere. Broth inoculum was added to Tryptic Soy agar with 5% defibrinated sheep blood 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.

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: 70076765

Manufacturing Date: 25JUN2025

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology 1 day at 37°C in an aerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood Colony morphology 1 day at 37°C in an aerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood Motility (wet mount)	Gram-positive rods Report results Report results	Gram-positive rods Circular, low convex, entire, opaque and gray (Figure 1) Non-motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (1450 base pairs)	≥ 99% sequence identity to <i>C. amycolatum</i> , strain SK46 (GenBank: ABZU01000033.1)	100% sequence identity to <i>C. amycolatum</i> , strain SK46 (GenBank: ABZU01000033.1) ¹
Purity (post-freeze) 7 days at 37°C in an aerobic atmosphere with and without 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) 7 days at 37°C in an aerobic atmosphere without 5% CO ₂ on Tryptic Soy agar with 5% defibrinated sheep blood	Growth	Growth

¹Also consistent with other *Corynebacterium* species

Figure 1: Colony Morphology



Certificate of Analysis for HM-109

/Sonia Bjorum Brower/

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14 AUG 2025

Technical Manager or designee, ATCC Federal Solutions

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