

***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.

Lot^{1,2}: 70011119

Manufacturing Date: 07DEC2017

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphologies ^{3,4} Motility (wet mount)	Gram-positive rods Report results Report results	Gram-positive rods Colony type 1: Circular, low convex, entire, opaque and white (Figure 1) Colony type 2: Circular, low convex, entire, smooth and gray (Figure 1) Non-motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 874 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)
Purity (post-freeze)⁵	Growth consistent with expected colony morphology	Growth consistent with expected colony morphology
Viability (post-freeze)²	Growth	Growth

¹Quality 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.

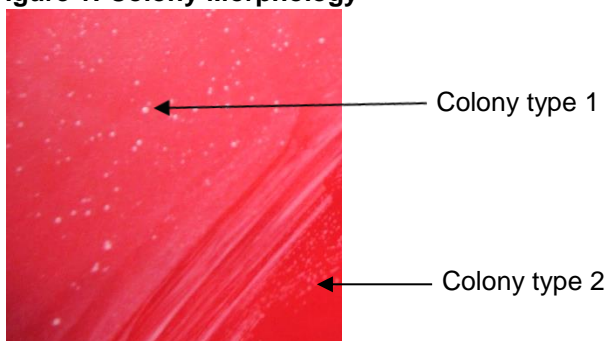
²*C. amycolatum*, strain SK46 was deposited by Guillermo I. Perez-Perez, D.Sc., Associate Professor of Medicine, Departments of Medicine and Microbiology; School of Medicine, New York University, New York, New York, USA. HM-109 lot 70011119 was produced by the inoculation of BEI Resources HMS-109 lot 60051919 into Brain Heart Infusion broth and incubated 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 1 day at 37°C in an aerobic atmosphere to produce this lot.

³1 day at 37°C in an aerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

⁴Two colony types were observed. Plating of the individual colony types showed that they reverted to colony type 1 after 1 day of incubation. The 16S ribosomal RNA gene of each colony type was sequenced and found to have 100% sequence identity with the other colony type and *C. amycolatum*, strain SK46 (GenBank: ABZU01000033.1).

⁵Purity of this lot was assessed for 14 days at 37°C in an aerobic atmosphere with 5% CO₂ on Tryptic Soy agar with 5% defibrinated sheep blood.

Figure 1: Colony Morphology



12 MAR 2018

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.

ATCC® is a trademark of the American Type Culture Collection.

You are authorized to use this product for research use only. It is not intended for human use.

