

Cutibacterium acnes, Strain SK182 (Deposited as Propionibacterium acnes, SK182)

Catalog No. HM-253

Product Description:

Cutibacterium acnes (*C. acnes*), strain SK182 was isolated from human skin. **The label on the vial is incorrect; the strain was deposited as *Propionibacterium acnes*, and was reclassified in 2016 as *Cutibacterium acnes* based on 16S ribosomal RNA gene sequence analysis.** HM-253 was produced by the inoculation of BEI Resources seed lot 60730072 into Modified Reinforced Clostridial broth and incubated for 2 days at 37°C in an anaerobic atmosphere (< 5% O₂; Remel™ Pack-Anaero™). The material from the initial growth was passaged once in Modified Reinforced Clostridial broth for 2 days at 37°C in an anaerobic 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.

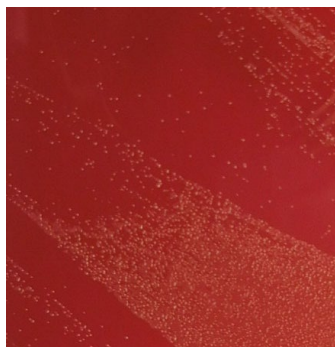
Lot: 70044521

Manufacturing Date: 28MAY2021

| TEST | SPECIFICATIONS | RESULTS |
|---|---|---|
| Phenotypic Analysis Cellular morphology Colony morphology 2 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood Motility (wet mount) VITEK® MS (MALDI-TOF) | Gram-positive rod Report results Report results <i>C. acnes</i> | Gram-positive rod ¹ Punctiform and gray (Figure 1) Non-motile <i>C. acnes</i> (99.9%) |
| Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1405 base pairs) | ≥ 99% sequence identity to <i>C. acnes</i> , strain SK182 (GenBank: AFUM01000001.1) | 99.6% sequence identity to <i>C. acnes</i> , strain SK182 (GenBank: AFUM01000001.1) |
| Purity (post-freeze) Purity of this lot was assessed for 7 days at 37°C in an anaerobic atmosphere 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 anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood | Growth | Growth |

¹Cellular morphology is pleomorphic

Figure 1: Colony Morphology



/Heather Couch/

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Program Manager or designee, ATCC Federal Solutions

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