

Cutibacterium acnes, Strain HL045PA1

Catalog No. HM-516

Product Description:

Cutibacterium acnes (*C. acnes*), strain HL045PA1 was isolated from human skin. Previously referred to as *Propionibacterium acnes*, this genus has been reclassified and the genus designation on the vial label refers to the old nomenclature. HM-516 lot 70057711 was produced by the inoculation of BEI Resources seed lot 60949004 into Modified Reinforced Clostridial broth and incubated for 3 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 3 days at 37°C in an anaerobic atmosphere to produce this lot. Quality control testing was completed in Tryptic Soy agar with 5% defibrinated sheep blood 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.

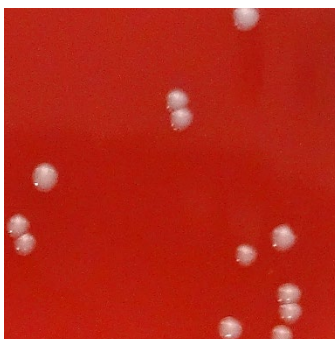
Lot: 70057711

Manufacturing Date: 16JAN2023

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology ¹ Colony morphology 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 (1430 base pairs)	≥ 99% sequence identity to <i>C. acnes</i> , strain HL045PA1 (GenBank: ADZA01000007.1)	100% sequence identity to <i>C. acnes</i> , strain HL045PA1 (GenBank: ADZA01000007.1)
Purity Anaerobic 7 days at 37°C on Tryptic Soy agar with 5% defibrinated sheep blood Aerobic with 5% CO ₂ 7 days at 37°C on Tryptic Soy agar with 5% defibrinated sheep blood	Growth consistent with expected colony morphology Report results	Growth consistent with expected colony morphology Growth ¹
Viability (post-freeze)	Growth	Growth

¹This organism is known to be aerotolerant. Sequencing of the 16S rRNA gene identified cells from aerobic growth as *C. acnes*.

Figure 1: Colony Morphology



/Sonia Bjorum Brower/

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21 MAR 2023

Technical Manager or designee, ATCC Federal Solutions

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