Certificate of Analysis for HM-504

Cutibacterium acnes, Strain HL030PA1 (Deposited as *Propionibacterium acnes*, Strain HL030PA1)

Catalog No. HM-504

Product Description:

Cutibacterium acnes (C. acnes), strain HL030PA1 was isolated from human skin. Previously referred to as *Propionibacterium acnes*, this family has been reclassified and the family designation on the vial label refers to the old nomenclature. HM-504 was produced by the inoculation of BEI Resources seed lot 60058728 into Modified Reinforced Clostridial broth and incubated for 3 days at 37°C in an anaerobic atmosphere (< 5% O_2; Remel™ Pack-Anaero™). The material from the initial growth was added to Modified Reinforced Clostridial broth which were grown for 3 days at 37°C in an anaerobic atmosphere to produce this lot.

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: 70050460 **Manufacturing Date: 28FEB2022**

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Cellular morphology 3 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood	Gram-positive rods	Gram-positive pleomorphic rods
Colony morphology 3 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood	Report results	Circular, convex, entire and white (Figure 1)
Motility (wet mount)	Report results	Non-motile
VITEK® MS (MALDI-TOF)	*C. acnes*	*C. acnes* (99.9%)
Genotypic Analysis		
Sequencing of 16S ribosomal RNA gene (~ 1400 base pairs)	≥ 99% sequence identity to *C. acnes* strain HL030PA1 (GenBank: ADYB01000002.1)	100% sequence identity to *C. acnes* strain HL030PA1 (GenBank: ADYB01000002.1)
Purity (post-freeze)		
Anaerobic 7 days at 37°C on Tryptic Soy agar with 5% defibrinated sheep blood	Growth consistent with expected colony morphology	Growth consistent with expected colony morphology
Aerobic with 5% CO_2 7 days at 37°C on Tryptic Soy agar with 5% defibrinated sheep blood	No growth or growth consistent with expected colony morphology	No growth
Viability (post-freeze) 3 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood	Growth	Growth

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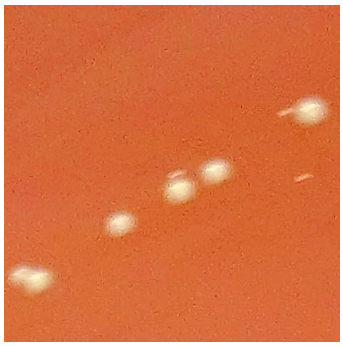
Figure 1: Colony Morphology



/Heather Couch/
Heather Couch 11 MAY 2022
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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