

Propionibacterium acnes, Strain HL001PA1

Catalog No. HM-488

Product Description: *Propionibacterium acnes* (*P. acnes*), strain HL001PA1 was isolated from human skin.

Lot^{1,2}: 70002702

Manufacturing Date: 30MAR2017

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ³ Motility (wet mount)	Gram-positive rod Report results Report results	Gram-positive rod Circular, convex, entire, smooth and white (Figure 1) Non-motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (780 base pairs)	≥ 99% sequence identity to <i>P. acnes</i> , strain HL001PA1 (GenBank: ADZV01000003.1 and ADZV01000018.1)	100% sequence identity to <i>P. acnes</i> , strain HL001PA1 (GenBank: ADZV01000003.1 and ADZV01000018.1)
Purity (post-freeze) Anaerobic growth ⁴ Aerobic growth ⁵	Consistent with expected colony morphology Report results	Consistent with expected colony morphology Consistent with expected colony morphology ⁶
Viability (post-freeze)³	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*P. acnes*, strain HL001PA1 was deposited by Professor Huiying Li, Ph.D., Department of Molecular & Medical Pharmacology, University of California, Los Angeles (UCLA), Los Angeles, California, USA. Lot 70002702 of HM-488 was produced by inoculation of HM-488 (Lot: 59977626) into Modified Reinforced Clostridial broth and incubated for 3 days at 37°C in an anaerobic atmosphere (< 0.5% O₂; Remel™ AnaeroPack-Anaero™). Broth inoculum was added to Tryptic Soy agar with 5% defibrinated sheep blood kolles, which were grown for 3 days at 37°C in an anaerobic atmosphere to produce this lot.

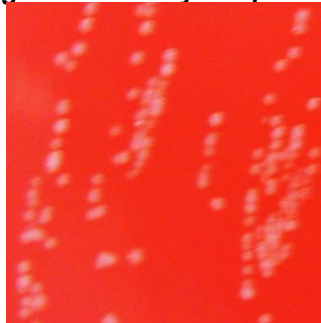
³3 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

⁴Purity of this lot was assessed for 7 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood.

⁵Purity of this lot was assessed for 7 days at 37°C in an aerobic atmosphere with 5% CO₂ on Tryptic Soy agar with 5% defibrinated sheep blood.

⁶*P. acnes* is an anaerobic or areotolerant organism but decreased growth under aerobic growth conditions has previously been reported. VITEK® MS (MALDI-TOF) analysis identified the cells from colonies obtained under the aerobic growth condition as *P. acnes*. For additional information, please refer to Cole, J. H., K. T. Holland and W. J. Cunliffe. "Effect of Oxygen Concentration on Biomass Production, Maximum Specific Growth Rate and Extracellular Enzyme Production by Three Species of Cutaneous Propionibacteria Grown in Continuous Culture." *J. Gen. Microbiol.* 129 (1983): 3327-3334. PubMed: 6663280.

Figure 1: Colony Morphology



Certificate of Analysis for HM-488

Date: 19 JUN 2017

Signature:



BEI Resources Authentication

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