

Certificate of Analysis for HM-539

Propionibacterium acnes, Strain HL086PA1**Catalog No. HM-539****Product Description:** *Propionibacterium acnes* (*P. acnes*), strain HL086PA1 was isolated from human skin.**Lot^{1,2}: 59963539****Manufacturing Date: 15JUL2011**

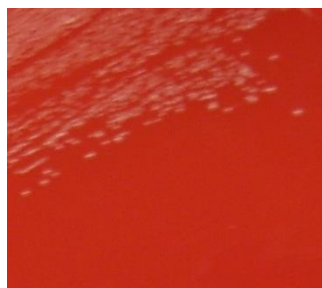
TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphologies ^{3,4}	Report results Report results	Gram-positive rod Circular, convex, entire, light gray and small (Figure 1) Circular, convex, entire, light gray and large
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1150 base pairs)	≥ 99% identical to GenBank GL383593 (<i>P. acnes</i> , strain HL086PA1)	≥ 99% identical to GenBank GL383593 (<i>P. acnes</i> , strain HL086PA1)
Viability (post-freeze)⁴	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 HL086PA1 was deposited by Professor Huiying Li, Department of Molecular and Medical Pharmacology, University of California, Los Angeles, Los Angeles, California. The deposited material was inoculated into Modified Reinforced Clostridial Broth ([ATCC medium 2107](#)) and incubated for 48 hours at 37°C and anaerobic atmosphere (80% N₂:10% CO₂:10% H₂). The material from the initial growth was passaged once in Modified Reinforced Clostridial Broth for 48 hours at 37°C and anaerobic atmosphere [80% N₂:10% CO₂:10% H₂] to produce this lot.

³Two colony sizes were observed in the initial growth. The 16S gene of each colony size was sequenced and determined to be consistent with *P. acnes*. *P. acnes* colonies are known to show size variance [see, Kishishita, M., et al. "New Medium for Isolating Propionibacteria and Its Application to Assay of Normal Flora of Human Facial Skin." *Appl. Environ. Microbiol.* 40 (1980): 1100-1105. PubMed: 7470244].

⁴48 hours at 37°C and anaerobic atmosphere on Tryptic Soy Agar with 5% defibrinated sheep blood

Figure 1**Date:** 06 MAR 2012**Signature:****Title:**

Technical Manager, BEI Authentication or designee

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