

**Propionibacterium acnes, Strain HL043PA2**

**Catalog No. HM-514**

**Product Description:** *Propionibacterium acnes* (*P. acnes*), strain HL043PA2 was isolated from human skin.

**Lot<sup>1,2</sup>: 60400054**

**Manufacturing Date: 16FEB2012**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphologies <sup>3,4</sup>	Report results Report results	Gram-positive rod Circular, entire, white and small (Figure 1) Circular, entire, white and pinpoint (Figure 1)
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 1400 base pairs)	≥ 99% identical to GenBank: ADYM01000014 ( <i>P. acnes</i> , strain HL043PA2)	≥ 99% identical to GenBank: ADYM01000014 ( <i>P. acnes</i> , strain HL043PA2)
<b>Viability (post-freeze)<sup>5</sup></b>	Growth	Growth

<sup>1</sup>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.

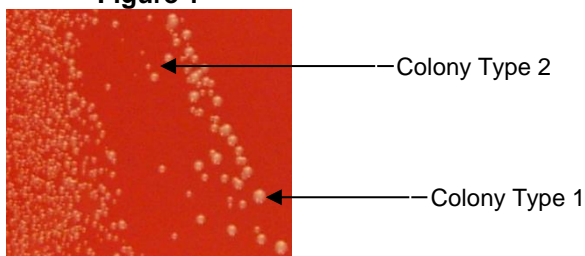
<sup>2</sup>*P. acnes*, strain HL043PA2 was deposited by Professor Huiying Li, Ph.D., Department of Molecular and Medical Pharmacology, University of California, Los Angeles (UCLA), Los Angeles, California. The deposited material was inoculated into Modified Reinforced Clostridial Broth (ATCC medium 2107) and incubated for 72 hours at 37°C and anaerobic atmosphere (80% N<sub>2</sub>:10% CO<sub>2</sub>:10% H<sub>2</sub>). The material from the initial growth was passaged once in Modified Reinforced Clostridial Broth for 72 hours at 37°C and anaerobic atmosphere (80% N<sub>2</sub>:10% CO<sub>2</sub>:10% H<sub>2</sub>) to produce this lot.

<sup>4</sup>Two colony types were observed, individually isolated and characterized. The 16S ribosomal RNA gene of each colony size was sequenced and found to be consistent with the other colony size. *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.

<sup>4</sup>72 hours at 37°C and anaerobic atmosphere on Tryptic Soy Agar with 5% defibrinated sheep blood

<sup>5</sup>48 hours at 37°C and anaerobic atmosphere on Tryptic Soy Agar with 5% defibrinated sheep blood

**Figure 1**



**Date:** 14 MAY 2012

**Signature:**

**Title:** Technical Manager, BEI Authentication or designee

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