

***Propionibacterium acnes*, Strain HL043PA1**

**Catalog No. HM-513**

**Product Description:** *Propionibacterium acnes* (*P. acnes*)<sup>1</sup>, strain HL043PA1 was isolated from human skin.

**Lot<sup>2,3</sup>: 70014603**

**Manufacturing Date: 14JUN2018**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology <sup>4</sup>  Motility (wet mount)	Gram-positive rods Report results  Report results	Gram-positive rods Circular, pulvinate, entire, smooth and white (Figure 1) Non-motile
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 1410 base pairs)	≥ 99% sequence identity to <i>P. acnes</i> , strain HL043PA1 (GenBank: ADXP01000005.1)	100% sequence identity to <i>P. acnes</i> , strain HL043PA1 (GenBank: ADXP01000005.1)
<b>Purity (post-freeze)</b> Anaerobic growth <sup>5</sup>  Aerobic growth <sup>6</sup>	Consistent with expected colony morphology Report results	Consistent with expected colony morphology No growth <sup>7</sup>
<b>Viability (post-freeze)<sup>4</sup></b>	Growth	Growth

<sup>1</sup>Also referred to as *Cutibacterium acnes*

<sup>2</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>3</sup>*P. acnes*, strain HL043PA1 was deposited by Professor Huiying Li, Ph.D., Department of Molecular and Medical Pharmacology, University of California, Los Angeles (UCLA), Los Angeles, California, USA. HM-513 lot 70014603 was produced by inoculation of BEI Resources HMS-513 lot 60949003 into Modified Reinforced Clostridial broth and incubated for 3 days at 37°C in an anaerobic atmosphere (< 5% O<sub>2</sub>; 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.

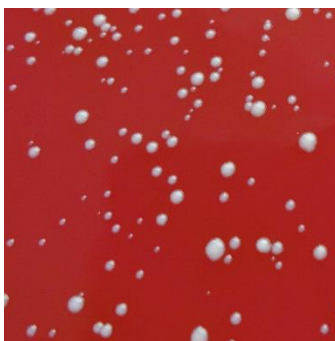
<sup>4</sup>3 days at 37°C in an anaerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

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

<sup>6</sup>Purity of this lot was assessed for 7 days at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub> on Tryptic Soy agar with 5% defibrinated sheep blood.

<sup>7</sup>Some strains of *P. acnes* are reported to be aerotolerant. This strain has shown growth in an aerobic atmosphere with 5% CO<sub>2</sub> at later passages, however, this growth may not be reproducible.

**Figure 1: Colony Morphology**



/Heather Couch/

Heather Couch

13 AUG 2018

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