b|e|i RESOURCES

SUPPORTING INFECTIOUS DISEASE RESEARCH

Certificate of Analysis for HM-184

Propionibacterium sp., Strain 5_U_42AFAA

Catalog No. HM-184

Product Description: *Propionibacterium* sp., strain 5_U_42AFAA was isolated in 2007 from inflamed biopsy tissue taken from the duodenum of a 48-year-old female patient with microscopic colitis in Calgary, Alberta, Canada.

Lot[1,2]: 60836076 **Manufacturing Date: 21JUN2012**

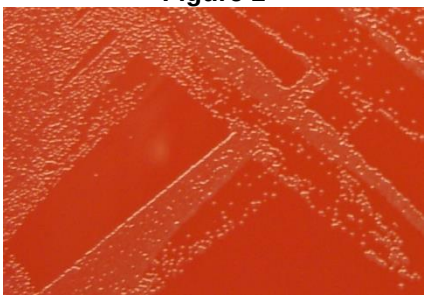
TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology[3]	 Report results Report results	 Gram-positive rod Circular, entire and gray (Figure 1)
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1320 base pairs)	≥ 99% identical to GenBank: ACUE01000006 (*Propionibacterium* sp., strain 5_U_42AFAA)	≥ 99% identical to GenBank: ACUE01000006 (*Propionibacterium* sp., strain 5_U_42AFAA)
Viability (post-freeze)[3]	Growth	Growth

[1]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.

[2]*Propionibacterium* sp., strain 5_U_42AFAA was deposited by Professor Emma Allen-Vercoe, Department of Molecular and Cellular Biology, University of Guelph, Guelph, Ontario, Canada. 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% N_2:10% CO_2:10% H_2). The material from the initial growth was passaged once in Modified Reinforced Clostridial Broth for 24 hours at 37°C and anaerobic atmosphere to produce this lot.

[3]48 hours at 37°C and anaerobic atmosphere on Tryptic Soy Agar with 5% defibrinated sheep blood

Figure 1



Date: 30 JAN 2013 **Signature:**

Title: Technical Manager, BEI Authentication or designee

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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