

***Paenibacillus* sp., Oral Taxon 786, Strain D14**

Catalog No. HM-78

Product Description: *Paenibacillus* sp., Oral Taxon 786, Strain D14 was isolated in 2007 from an oral swab taken from a 38-year-old female patient with ulcerative colitis in Calgary, Alberta, Canada.

Lot^{1,2}: 63568107

Manufacturing Date: 06JUL2015

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ³ Motility (wet mount)	Gram-positive rods Report results Report results	Gram-positive rods Circular, low convex, entire and translucent (Figure 1) Motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1500 base pairs)	≥ 99% identical to GenBank: ACIH01000265 (<i>Paenibacillus</i> sp., Oral Taxon 786, strain D14)	≥ 99% identical to GenBank: ACIH01000265 (<i>Paenibacillus</i> sp., Oral Taxon 786, strain D14)
Purity (post freeze)⁴	Growth consistent with <i>Paenibacillus</i> sp.	Growth consistent with <i>Paenibacillus</i> sp.
Viability (post-freeze)³	Growth	Growth

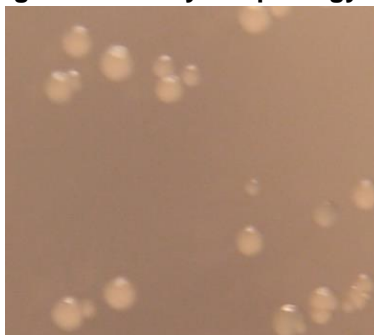
¹Quality control of HMP material is only performed to demonstrate that the material distributed by BEI Resources is identical to the deposited material. It should not be considered a complete characterization of the deposited organism.

²*Paenibacillus* sp., Oral Taxon 786, strain D14 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 Nutrient broth which was grown for 2 days at 37°C in an anaerobic atmosphere, preserved in 10% glycerol and frozen and stored at -80°C. The preserved material was inoculated into Nutrient broth and incubated on Nutrient agar and both were grown for 3 days at 30°C in an aerobic atmosphere. Colonies from the agar growth were suspended in the broth growth and the growth mixture was added to Nutrient agar kolles which were grown 4 days at 30°C in an aerobic atmosphere to produce this lot.

³2 days at 30°C in an aerobic atmosphere on Nutrient agar

⁴Purity of this lot was assessed for 7 days at 30°C in an aerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

Figure 1: Colony Morphology



Certificate of Analysis for HM-78

Date: 11 SEP 2015

Signature:



BEI Resources Authentication

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