

***Paenibacillus* sp., Strain HGH0039**

Catalog No. HM-785

Product Description: *Paenibacillus* sp., Strain HGH0039 was isolated from a biopsy of large intestine mucosa of a human subject in the United States.

Lot^{1,2}: 63568108

Manufacturing Date: 26JUL2015

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ³ Motility (wet mount)	Gram-positive rods Report results Report results	Gram-positive rods Spreading, flat, lobate, mucoid, translucent and cream (Figure 1) Motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1480 base pairs)	≥ 99% identical to GenBank AGEN01000025 (<i>Paenibacillus</i> sp., strain HGH0039)	≥ 99% identical to GenBank AGEN01000025 (<i>Paenibacillus</i> sp., strain HGH0039)
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., strain HGH0039 was deposited by Thomas M. Schmidt, Professor, Department of Microbiology and Molecular Genetics, Michigan State University, East Lansing, Michigan, USA. HM-785 was produced by inoculation of the deposited material into Nutrient broth and incubated for 2 days at 30°C in an aerobic atmosphere. Broth inoculum was added to Nutrient agar kolles which were grown 2 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 Nutrient agar.

Figure 1: Colony Morphology



Date: 11 SEP 2015

Signature:

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