

Streptomyces sp., Strain HPH0547

Catalog No. HM-859

Product Description: *Streptomyces* sp., strain HPH0547 was isolated from a biopsy of ileo-anal pouch mucosa of a human subject in the United States.

Lot^{1,2}: 64447416

Manufacturing Date: 06SEP2016

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphologies ^{3,4} Motility (wet-mount)	Report results Report results Report results	Gram-positive rods Colony type 1: Circular, convex, entire, filamentous, rough and white (Figure 1) Colony type 2: Circular, convex, entire, filamentous, rough and cream (Figure 1) Non-motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 820 base pairs)	≥ 99% sequence identity to <i>Streptomyces</i> sp., strain HPH0547 (GenBank: ATCE01000054.1)	100% sequence identity to <i>Streptomyces</i> sp., strain HPH0547 (GenBank: ATCE01000054.1)
Purity (post-freeze)^{5,6}	Consistent with expected colony morphology	Consistent with expected colony morphology
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*Streptomyces* sp., strain HPH0547 was deposited by Thomas M. Schmidt, Professor, Department of Microbiology and Molecular Genetics, Michigan State University, East Lansing, Michigan, USA. HM-859 was produced by inoculation of the deposited material into ISP media 1 and incubated for 5 days at 26°C in an aerobic atmosphere. Broth inoculum was added to Yeast Malt Extract agar kolles and grown for 7 days at 26°C in an aerobic atmosphere to produce this lot.

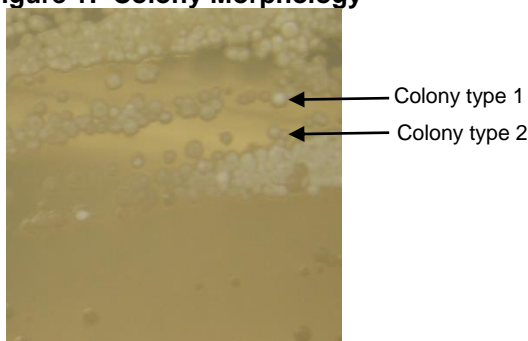
³3 days at 26°C in an aerobic atmosphere on Yeast Malt Extract agar

⁴Two colony types were observed. Plating of the individual colony types showed that they reverted to the white colony type after 3 days of incubation. The cellular morphology of each colony type was consistent with the other colony type and *Streptomyces*.

⁵Purity of this lot was assessed for 7 days at 26°C in an aerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood.

⁶Purity of this item was assessed at the optimal growth temperature for this organism, 26°C, which may not detect the growth of microorganisms that prefer alternative temperatures.

Figure 1: Colony Morphology



Certificate of Analysis for HM-859

Date: 11 NOV 2016

Signature: 

BEI Resources Authentication

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