

## **Certificate of Analysis for HM-121**

## Streptococcus salivarius, Strain SK126

Catalog No. HM-121

**Product Description:** *Streptococcus salivarius* (*S. salivarius*), strain SK126 was isolated from normal skin of the right arm of a 47-year-old woman.

Lot<sup>1,2</sup>: 59980222 Manufacturing Date: 11MAY2011

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology <sup>3</sup>	Gram-positive cocci Report results	Gram-positive cocci Circular, convex, entire and translucent (Figure 1)
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1430 base pairs)	≥ 99% identical to depositor's sequence Consistent with <i>S. salivarius</i>	Pending Consistent with S. salivarius <sup>4</sup>
Viability (post-freeze) <sup>3</sup>	Growth	Growth

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.

Figure 1



**Date: 24 OCT 2011** 

Signature:

**Title:** Technical Manager, BEI Authentication or designee

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<sup>&</sup>lt;sup>2</sup>S. salivarius, strain SK126 was deposited by Dr. Guillermo I. Perez-Perez, D.Sc., Associate Professor of Medicine, Departments of Medicine and Microbiology; School of Medicine, New York University, New York, New York. HM-121 was produced by inoculation of the deposited material into Tryptic Soy Broth with 5% sheep blood and incubated for 24 hours at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub>. Broth inoculum was added to Kolles which were grown 24 hours at 37°C and 5% CO<sub>2</sub> to produce this lot.

<sup>&</sup>lt;sup>3</sup>24 hours at 37°C and 5% CO<sub>2</sub> on Tryptic Soy Agar with 5% sheep blood

<sup>&</sup>lt;sup>4</sup>Also consistent with Streptococcus thermophilus