

## **Certificate of Analysis for HM-475**

## Streptococcus downei, Oral Taxon 594, Strain F0415

## Catalog No. HM-475

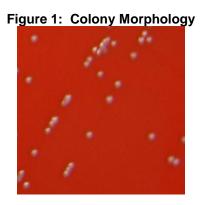
**Product Description:** *Streptococcus downei* (*S. downei*), Oral Taxon 594, strain F0415 was isolated in 2008 from dental plaque on a molar tooth of a 2-year-old male with caries in the United States.

Lot<sup>1,2</sup>: 70005128 Manufacturing Date: 26APR2017

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Cellular morphology	Gram-positive cocci	Gram-positive cocci
Colony morphology <sup>3</sup>	Report results	Circular, convex, entire, smooth and grey (Figure 1)
Motility (wet mount)	Report results	Non-motile
Genotypic Analysis		
Sequencing of 16S ribosomal RNA gene (1500 base pairs)	≥ 99% sequence identity to S. downei, strain F0415 (GenBank: AEKN01000002)	100% sequence identity to S. downei, strain F0415 (GenBank: AEKN01000002)
Purity (post-freeze) <sup>4</sup>	Growth consistent with expected colony morphology	Growth consistent with expected colony morphology
Viability (post-freeze) <sup>3</sup>	Growth	Growth

<sup>&</sup>lt;sup>1</sup>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.

<sup>&</sup>lt;sup>4</sup>Purity of this lot was assessed for 7 days at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub> on Tryptic Soy agar with 5% defibrinated sheep blood.



BEI Resources www.beiresources.org E-mail: contact@beiresources.org

Tel: 800-359-7370 Fax: 703-365-2898

<sup>&</sup>lt;sup>2</sup>S. downei, Oral Taxon 594, strain F0415 was deposited by Jacques Izard, Assistant Member of the Staff, Department of Molecular Genetics, The Forsyth Institute, Boston, Massachusetts. Lot 70005128 of HM-475 was produced by inoculation of BEI Resources HMS-475 (Lot: 60507030) into Brain Heart Infusion broth and incubated for 1 day at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub>. Broth inoculum was added to Tryptic Soy agar with 5% defibrinated sheep blood kolles which were grown for 1 day at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub> to produce this lot.

<sup>&</sup>lt;sup>3</sup>1 day at 37°C in an aerobic atmosphere with 5% CO<sub>2</sub> on Tryptic Soy agar with 5% defibrinated sheep blood



## **Certificate of Analysis for HM-475**

**Date:** 13 JUN 2017

Signature:

**BEI Resources Authentication** 

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.

 $\mbox{ATCC}^{\circledast}$  is a trademark of the American Type Culture Collection. You are authorized to use this product for research use only. It is not intended for human use.

BEI Resources www.beiresources.org E-mail: contact@beiresources.org

Tel: 800-359-7370 Fax: 703-365-2898