

***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^{1,2}: 70005128

Manufacturing Date: 26APR2017

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ³ Motility (wet mount)	Gram-positive cocci Report results Report results	Gram-positive cocci Circular, convex, entire, smooth and grey (Figure 1) Non-motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (1500 base pairs)	≥ 99% sequence identity to <i>S. downei</i> , strain F0415 (GenBank: AEKN01000002)	100% sequence identity to <i>S. downei</i> , strain F0415 (GenBank: AEKN01000002)
Purity (post-freeze)⁴	Growth consistent with expected colony morphology	Growth 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*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% CO₂. 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% CO₂ to produce this lot.

³1 day at 37°C in an aerobic atmosphere with 5% CO₂ on Tryptic Soy agar with 5% defibrinated sheep blood

⁴Purity of this lot was assessed for 7 days at 37°C in an aerobic atmosphere with 5% CO₂ on Tryptic Soy agar with 5% defibrinated sheep blood.

Figure 1: Colony Morphology



Date: 13 JUN 2017

Signature:



BEI Resources Authentication

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