

Streptococcus downei, Strain F0415

Catalog No. HM-475

Product Description:

Streptococcus downei (*S. downei*), Oral Taxon 594, strain F0415 was isolated from dental plaque on a molar tooth of a 2-year-old male with caries in 2008, in the United States. HM-475 was produced by inoculation of BEI Resources seed 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 kolles with 5% defibrinated sheep blood, which were grown for 1 day at 37°C in an aerobic atmosphere with 5% CO₂ to produce this lot. Quality control testing was completed under propagation conditions unless otherwise noted.

Note: 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.

Lot: 70083360

Manufacturing Date: 03JUN2026

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology 1 days at 37°C in an aerobic atmosphere with 5% CO ₂ on Tryptic Soy agar with 5% defibrinated sheep blood Colony morphology 1 days at 37°C in an aerobic atmosphere with 5% CO ₂ on Tryptic Soy agar with 5% defibrinated sheep blood Motility (wet mount)	Gram-positive cocci Report results Report results	Gram-positive cocci Circular, convex, entire, smooth and gray(Figure 1) Non-motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~1490 base pairs)	≥ 99% sequence identity to <i>S. downei</i> , strain (GenBank: AEKN01000002.1)	100% sequence identity to <i>S. downei</i> , strain F0415 (GenBank: AEKN01000002.1) ¹
Purity (post-freeze) 7 days at 37°C in an aerobic atmosphere with 5% CO ₂ on Tryptic Soy agar with 5% defibrinated sheep blood	Growth consistent with expected colony morphology	Growth consistent with expected colony morphology
Viability (post-freeze) 1 days at 37°C in an aerobic atmosphere with 5% CO ₂ on Tryptic Soy agar with 5% defibrinated sheep blood	Growth	Growth

¹Also consistent with other *Streptococcus* species

Figure 1: Colony Morphology



/Sonia Bjorum Brower/

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20 JUL 2026

Technical Manager or designee, ATCC Federal Solutions

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