

***Streptococcus sobrinus*, Strain W1703**

Catalog No. HM-1063

Product Description:

Streptococcus sobrinus (*S. sobrinus*), strain W1703 was isolated in 1989 from the dental plaque biofilm of the third molar tooth of an individual diagnosed with pericoronitis in the United Kingdom. HM-1063 was produced by inoculation of BEI Resources seed lot 63529415 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. 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: 70063954

Manufacturing Date: 04OCT2023

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology Motility (wet mount)	Gram-positive cocci Report results Report results	Gram-positive cocci Circular, low convex, entire, smooth and gray (Figure 1) Non-motile
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~1450 base pairs)	≥ 99% sequence identity to <i>S. sobrinus</i> , strain W1703 (GenBank: AWVA01000064)	99.9% sequence identity to <i>S. sobrinus</i> , strain W1703 (GenBank: AWVA01000064)
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)	Growth	Growth

Figure 1: Colony Morphology



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