

***Streptococcus agalactiae*, Strain SGBS001**

Catalog No. NR-44125

Product Description:

Streptococcus agalactiae (*S. agalactiae*), strain SGBS001 was isolated in 1993 from the blood of a bacteremia patient in Harris County, Texas, USA. NR-44125 was produced by inoculation of the BEI Resources seed lot 63527618 into Tryptic Soy broth and grown for 1 day at 37°C in an aerobic atmosphere with 5% CO₂. Broth inoculum was added to Tryptic Soy agar 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.

Lot: 70046950

Manufacturing Date: 09SEP2021

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology Hemolysis 1 day at 37°C in an aerobic atmosphere with 5% CO ₂ on Tryptic Soy agar with 5% defibrinated sheep blood Motility (wet mount) Biochemical tests Catalase VITEK® MS (MALDI-TOF)	Gram-positive cocci in pairs or chains Report results Report results Report results Negative <i>S. agalactiae</i>	Gram-positive cocci Circular, low convex, entire, smooth and cream (Figure 1) β-hemolytic Non-motile Negative <i>S. agalactiae</i> (99.9%)
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (1370 base pairs)	≥ 99% sequence identity to <i>S. agalactiae</i> , strain SGBS001 (GenBank: AUVQ01000021.1)	100% sequence identity to <i>S. agalactiae</i> , strain SGBS001 (GenBank: AUVQ01000021.1) ¹
Purity (post-freeze) 7 days at 37°C in an aerobic atmosphere with 5% CO ₂ on Tryptic Soy agar 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	Growth consistent with expected colony morphology Growth consistent with expected colony morphology
Viability (post-freeze)	Growth	Growth

¹Also consistent with *Streptococcus difficilis*

Figure 1: Colony Morphology



/Heather Couch/

Heather Couch

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