

Certificate of Analysis for NR-44125

Streptococcus agalactiae, Strain SGBS001

Catalog No. NR-44125

Product Description:

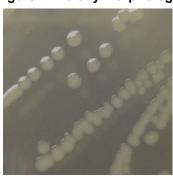
Streptococcus agalactiae (S. agalactiae), strain SGBS001 was isolated in 1993 from the blood of a bacteremia patient in Harris County, Texas, USA. NR-44125 was produced by inoculation of the BEI Resources seed lot 63527618 into Tryptic Soy broth and grown for 1 day at 37°C in an aerobic atmosphere with 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	CDECIFICATIONS	DECILITE.
TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Cellular morphology	Gram-positive cocci in pairs or chains	Gram-positive cocci
Colony morphology	Report results	Circular, low convex, entire, smooth and cream (Figure 1)
Hemolysis	Report results	β-hemolytic
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)	Report results	Non-motile
Biochemical tests		
Catalase	Negative	Negative
VITEK® MS (MALDI-TOF)	S. agalactiae	S. agalactiae (99.9%)
Genotypic Analysis		
Sequencing of 16S ribosomal RNA gene (1370 base pairs)	≥ 99% sequence identity to S. agalactiae, strain SGBS001 (GenBank: AUVQ01000021.1)	100% sequence identity to S. agalactiae, 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	Growth consistent with expected colony morphology	Growth consistent with expected colony morphology
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

¹Also consistent with Streptococcus difficilis

Figure 1: Colony Morphology



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/Heather Couch/ Heather Couch

07 DEC 2021

Program Manager or designee, ATCC Federal Solutions

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