

Staphylococcus aureus* Fluorescent Reporter Plasmid pSGFPS1, Recombinant in *Staphylococcus aureus

Catalog No. NR-51163

Product Description:

NR-51163 is a glycerol stock of *Staphylococcus aureus* (*S. aureus*), strain RN4220 containing the green fluorescent protein (GFP) reporter plasmid pSGFPS1, a derivative of the *Escherichia coli* (*E. coli*) - staphylococcal shuttle vector pKK30. NR-51163 lot 70056123 was produced by the inoculation of BEI Resources seed lot 70010749 into Tryptic Soy broth containing 10 µg/mL trimethoprim and incubated for 1 day at 37°C in an aerobic atmosphere. Broth inoculum was added to Tryptic Soy agar containing 10 µg/mL trimethoprim kolles, which were grown for 1 day at 37°C in an aerobic atmosphere to produce this lot. Quality control testing was completed under propagation conditions unless otherwise noted.

Lot: 70056123

Manufacturing Date: 26OCT2022

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TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology Motility (wet mount) Hemolysis Biochemical Characterization Catalase VITEK® MS (MALDI-TOF)	Gram-positive cocci Report results Report results Report results Positive <i>S. aureus</i>	Gram-positive cocci Circular, convex, entire, smooth, and cream Non-motile β-hemolytic Positive <i>S. aureus</i> (99.9%)
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1260 base pairs)	≥ 99% sequence identity to <i>S. aureus</i> , strain RN4220 (GenBank: AFGU01000017.1)	99.9% sequence identity to <i>S. aureus</i> , strain RN4220 (GenBank: AFGU01000017.1)
Functional Activity of Antibiotic Resistance Gene in <i>S. aureus</i> Trimethoprim resistance	Growth	Growth
Purity 7 days at 37°C in an aerobic atmosphere with and without 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	Growth	Growth

/Sonia Bjorum Brower/
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10 FEB 2023

Technical Manager or designee, ATCC Federal Solutions

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