

Staphylococcus aureus, Strain SU-5

Catalog No. NR-13550

Product Description: *Staphylococcus aureus* (*S. aureus*), strain SU-5 was isolated in October 2005 from a Stanford Hospital patient in Palo Alto, California, U.S.A.

Lot¹: 59982824

Manufacturing Date: 13MAY2011

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ^{2,3} Oxacillin resistance ⁴ β-Hemolysis on blood agar Analytical profile index (API Staph [®]) ⁵ Catalase	Gram-positive cocci Report results Resistant Report results Consistent with <i>S. aureus</i> Positive	Gram-positive cocci Circular, convex, entire and translucent (Figure 1) Resistant Positive Consistent with <i>S. aureus</i> Positive
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1390 base pairs) Riboprinter [®] Microbial Characterization System	Consistent with <i>S. aureus</i> Consistent with <i>S. aureus</i>	Consistent with <i>S. aureus</i> Consistent with <i>S. aureus</i>
Viability (post-freeze)⁶	Growth	Growth

¹*S. aureus*, strain SU-5 was deposited by Kristien Mortelmans, Ph.D., Director, Microbiology Program, Biosciences Division, SRI International, Menlo Park, California. NR-13550 was produced by inoculation of the deposited material into Brain Heart Infusion Broth and grown 24 hours at 37°C. Broth inoculum was added to Kolles which were grown 24 hours at 37°C to produce this lot.

²24 hours at 37°C and aerobic atmosphere on Brain Heart Infusion Agar

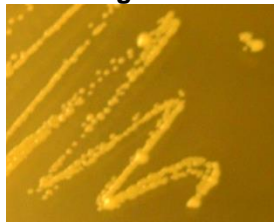
³A small colony variant (SCV) was observed and individually isolated and characterized. The 16S ribosomal RNA gene sequence of the SCV was identical to the main colony type sequence.

⁴24 hours at 37°C and aerobic atmosphere on Mueller Hinton Agar containing 6 µg/mL Oxacillin and 4% NaCl (Oxacillin Screen Agar BBL™ 221952)

⁵The API Staph[®] identification includes a test for Lysostaphin resistance that was not completed for NR-13550. NR-13550 is identified as *S. aureus* by the API Staph[®] test regardless of the Lysostaphin resistance test results.

⁶24 hours at 37°C and aerobic atmosphere on Brain Heart Infusion Agar

Figure 1



Date: 08 SEP 2011

Signature:

Title: Technical Manager, BEI Authentication or designee

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