

Staphylococcus aureus, Strain WKZ-1 (MSSA)

Catalog No. NR-28984

Product Description: *Staphylococcus aureus* (*S. aureus*), strain WKZ-1 was isolated from a blood culture from a male infant with Pierre Robin syndrome who was undergoing treatment for a respiratory infection following intubation. *S. aureus*, strain WKZ-1 is a methicillin-sensitive *S. aureus* (MSSA) strain.

Lot¹: 63447980

Manufacturing Date: 23APR2015

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ² Motility (wet mount) Oxacillin resistance ³ Hemolysis ² Biochemical characterization: Catalase VITEK [®] MS (MALDI-TOF)	Gram-positive cocci Report results Report results Susceptible Report results Positive Consistent with <i>S. aureus</i>	Gram-positive cocci Circular, slight peaked, entire, smooth and cream (Figure 1) Non-motile Susceptible β-hemolytic Positive Consistent with <i>S. aureus</i>
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1450 base pairs)	Consistent with <i>S. aureus</i>	Consistent with <i>S. aureus</i>
Purity (post-freeze)⁴	Growth consistent with <i>S. aureus</i>	Growth consistent with <i>S. aureus</i>
Viability (post-freeze)²	Growth	Growth

¹NR-28984 was produced from a frozen subculture of the deposited material. The subculture was cultivated in Tryptic Soy broth for 19 hours at 37°C in an aerobic atmosphere. Broth inoculum was added to Tryptic Soy agar with 5% defibrinated sheep blood kolles which were grown 26 hours at 37°C in an aerobic atmosphere to produce this lot.

²23 hours at 37°C and aerobic atmosphere on Tryptic Soy agar

³24 hours at 30°C in an aerobic atmosphere on Mueller Hinton agar containing 6 µg/mL oxacillin and 4% NaCl (Oxacillin Screen agar BBL™ 221952)

⁴Purity of this lot was assessed for 7 days on Tryptic Soy agar with 5% defibrinated sheep blood at 37°C in an aerobic atmosphere.

Figure 1 – Colony Morphology



Date: 28 JUN 2015

Signature:



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