

Staphylococcus aureus, Strain M1093 (MRSA)

Catalog No. NR-41891

Product Description: *Staphylococcus aureus* (*S. aureus*), strain M1093 was isolated in 2004 from blood of an adult female. *S. aureus*, strain M1093 is a methicillin-resistant *S. aureus* (MRSA) strain.

Lot¹: 63447985

Manufacturing Date: 27APR2015

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 Resistant Report results Positive Consistent with <i>S. aureus</i>	Gram-positive cocci Circular, slight peaked, entire, smooth and gray (Figure 1) Non-motile Resistant β-hemolytic Positive Consistent with <i>S. aureus</i>
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1500 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-41891 was produced by inoculation of the deposited material into Tryptic Soy broth and grown 1 day at 37°C in an aerobic atmosphere. After a 3 day hold at room temperature in an aerobic atmosphere, broth inoculum was added to Tryptic Soy agar with 5% defibrinated sheep blood kolles which were grown for 1 day at 37°C in an aerobic atmosphere to produce this lot.

²1 day at 37°C in an aerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

³1 day 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 JUL 2015

Signature:

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