

Staphylococcus aureus, Strain M1198 (MRSA)
Catalog No. NR-41892
Product Description: *Staphylococcus aureus* (*S. aureus*), strain M1198 was isolated in 2004 from blood of an adult male. *S. aureus*, strain M1198 is a methicillin-resistant *S. aureus* (MRSA) strain.

Lot¹: 63447986
Manufacturing Date: 17APR2015

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 Non-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> ⁴
Purity (post-freeze)⁵	Growth consistent with <i>S. aureus</i>	Growth consistent with <i>S. aureus</i>
Viability (post-freeze)²	Growth	Growth

¹NR-41892 was produced by inoculation of the deposited material into Tryptic Soy broth and grown 24 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 21 hours at 37°C in an aerobic atmosphere to produce this lot.

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

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)

⁴99.9% identical to GenBank: AIYT01000005 (*S. aureus*, strain M1198).

⁵Purity 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: 25 JUN 2015
Signature:
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