

Staphylococcus aureus, Strain M0108 (MRSA)

Catalog No. NR-41879

Product Description: *Staphylococcus aureus* (*S. aureus*), strain M0108 was isolated in 2003 from a bronchoalveolar lavage sample of an adult female. *S. aureus*, strain M0108 was deposited as a methicillin-resistant *S. aureus* (MRSA) strain.

Lot¹: 62138719

Manufacturing Date: 31OCT2013

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ² Motility (wet mount) Oxacillin resistance ³ Hemolysis ² Biochemical characterization: Analytical profile index (API Staph [®]) ⁴ Catalase	Gram-positive cocci Report results Report results Resistant Report results Consistent with <i>S. aureus</i> Positive	Gram-positive cocci Circular, low convex, entire, smooth and gray (Figure 1) Non-motile Resistant Non-hemolytic Consistent with <i>S.aureus</i> Positive
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1490 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)²	Growth	Growth

¹NR-41879 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 24 hours at 37°C in an aerobic atmosphere to produce this lot. Purity of this lot was assessed for 7 days under propagation conditions.

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

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

⁴The API Staph[®] identification includes a test for lysostaphin resistance that was not completed for NR-41879. NR-41879 is identified as *S. aureus* by the API Staph[®] test regardless of the lysostaphin resistance test results.

Figure 1



Date: 21 MAR 2014

Signature:

Title:

Technical Manager, BEI Authentication or designee

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