

## **Certificate of Analysis for NR-41882**

## Staphylococcus aureus, Strain M0288 (MRSA)

## Catalog No. NR-41882

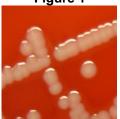
**Product Description:** Staphylococcus aureus (S. aureus), strain M0288 was isolated in 2003 from blood of an adult female. S. aureus, strain M0288 is a methicillin-resistant S. aureus (MRSA) strain.

Lot<sup>1</sup>: 62170410 Manufacturing Date: 13NOV2013

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology <sup>2</sup>	Gram-positive cocci Report results	Gram-positive cocci Circular, low convex, entire, smooth and gray (Figure 1)
Motility (wet mount) Oxacillin resistance <sup>3</sup> Hemolysis <sup>2</sup> Biochemical characterization: Analytical profile index (API Staph <sup>®</sup> ) <sup>4</sup> Catalase	Report results Resistant Report results  Consistent with S. aureus Positive	Non-motile Resistant β-hemolytic  Consistent with <i>S. aureus</i> Positive
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1500 base pairs) Riboprinter® Microbial Characterization System	Consistent with <i>S. aureus</i> Consistent with <i>S. aureus</i>	Consistent with S. aureus Consistent with S. aureus
Viability (post-freeze) <sup>2</sup>	Growth	Growth

<sup>&</sup>lt;sup>1</sup>NR-41882 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.

Figure 1



**Date:** 15 FEB 2014

Signature:(

**Title:** Technical Manager, BEI Authentication or designee

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

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<sup>&</sup>lt;sup>2</sup>24 hours at 37°C and aerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

<sup>&</sup>lt;sup>3</sup>24 hours at 30°C and aerobic atmosphere on Mueller Hinton agar containing 6 μg/mL oxacillin and 4% NaCl (Oxacillin Screen Agar BBL™ 221952) <sup>4</sup>The API Staph® identification includes a test for lysostaphin resistance that was not completed for NR-41882. NR-41882 is identified as *S. aureus* by the API Staph® test regardless of the lysostaphin resistance test results.