

**Staphylococcus aureus, Strain S0385 (MRSA)**

**Catalog No. NR-28983**

**Product Description:** *Staphylococcus aureus* (*S. aureus*), strain S0385 was isolated in 2006 in The Netherlands, from blood of a 63-year-old female patient with endocarditis who had a history of renal transplantation and immunosuppressive therapy. *S. aureus*, strain S0385 is a methicillin-resistant *S. aureus* (MRSA) strain and was deposited as resistant to methicillin, ciprofloxacin and tetracycline.

**Lot<sup>1</sup>: 63447978**

**Manufacturing Date: 22APR2015**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology <sup>2</sup>  Motility (wet mount) Oxacillin resistance <sup>3</sup> Hemolysis <sup>2</sup> Biochemical characterization: Catalase VITEK <sup>®</sup> 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>
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~1500 base pairs)	Consistent with <i>S. aureus</i>	Consistent with <i>S. aureus</i> <sup>4</sup>
<b>Purity (post-freeze)<sup>5</sup></b>	Growth consistent with <i>S. aureus</i>	Growth consistent with <i>S. aureus</i>
<b>Viability (post-freeze)<sup>2</sup></b>	Growth	Growth

<sup>1</sup>NR-28983 was produced from a frozen subculture of the deposited material. The subculture was cultivated in Tryptic Soy broth for 25 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 19 hours at 37°C in an aerobic atmosphere to produce this lot.

<sup>2</sup>24 hours at 37°C in an aerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

<sup>3</sup>24 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)

<sup>4</sup>≥ 99.9% identical to GenBank: AM990992 (*S. aureus*, strain S0385).

<sup>5</sup>Purity 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: 05 JUN 2015

Signature:



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