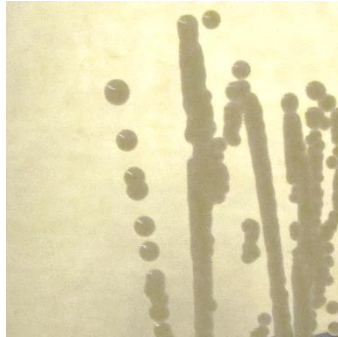


- ¹*S. aureus*, strain NRS49 was deposited to BEI Resources as part of the NARSA collection. NR-45884 was produced by inoculation of the deposited material into Tryptic Soy broth and grown 1 day at 37°C in an aerobic atmosphere. Broth inoculum was added to Tryptic Soy agar kolles which were grown 1 day at 37°C in an aerobic atmosphere to produce this lot.
- ²1 day at 37°C in an aerobic atmosphere on Tryptic Soy agar
- ³1 day at 37°C in an aerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood
- ⁴4 hours at 37°C in rabbit plasma with 0.15% EDTA (Coagulase Plasma BBL™ 240827)
- ⁵Minimum Inhibitory Concentration (MIC); MIC Interpretation Guideline: CLSI M100-S22 (2012)
- ⁶The production of beta-lactamase was detected using a Cefinase™ Paper Disc (BBL™ 231650).
- ⁷*S. aureus*, strain NRS49 was deposited as having an intermediate susceptibility to glycopeptides and non-susceptible to daptomycin. Antibiotic susceptibility testing performed in duplicate identified strain NRS49 as susceptible to daptomycin. Studies have demonstrated a correlation between reduced daptomycin susceptibility and vancomycin resistance in vancomycin hetero-intermediate and intermediate staphylococcal species. Reduced sensitivity to these antibiotics is believed to be due to a thickening of the cell wall. For additional information, please refer to Tran, T. T., J. M. Munita and C. A. Arias. "Mechanisms of Drug Resistance: Daptomycin Resistance." *Ann. N. Y. Acad. Sci.* 1354 (2015): 32-53. PubMed: 26495887.
- ⁸MIC Interpretation Guideline: EUCAST Version 4.0 (2014)
- ⁹1 day at 37°C in an aerobic atmosphere on Mueller Hinton agar
- ¹⁰*S. aureus*, strain NRS49 was deposited as having an intermediate susceptibility to teicoplanin. Antibiotic susceptibility testing using bioMérieux Etest® antibiotic test strips and performed in duplicate determined that strain NRS49 is sensitive to teicoplanin. For additional information on susceptibility testing of glycopeptide intermediate *S. aureus* (GISA) strains, please refer to Walsh, T. R., et al. "Evaluation of Current Methods for Detection of Staphylococci with Reduced Susceptibility to Glycopeptides." *J. Clin. Microbiol.* 39 (2001): 2439-2444. PubMed: 11427551.
- ¹¹Also consistent with other *Staphylococcus* species
- ¹²Purity of this lot was assessed for 7 days at 37°C in an aerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood.

Figure 1: Colony Morphology



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