

| TEST | SPECIFICATIONS | RESULTS |
|--|--|--|
| Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~1500 base pairs) | ≥ 99% sequence identity to <i>S. aureus</i> , strain 917 (BR-VSSA) (GenBank: JXBU01000101.1) | 99.9% sequence identity to <i>S. aureus</i> , strain 917 (BR-VSSA) (GenBank: JXBU01000101.1) |
| Purity (post-freeze)⁹ | Consistent with expected colony morphology | Consistent with expected colony morphology |
| Viability (post-freeze)² | Growth | Growth |

¹NR-49121 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 with 5% defibrinated sheep blood 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 with 5% defibrinated sheep blood

³Two colony types were observed. Plating of the individual colony types showed that they did not revert to the mixed colony type. VITEK® MS (MALDI-TOF) analysis identified cells from both colony types as *S. aureus*. The 16S ribosomal RNA gene of each colony type was sequenced and found to have 99.9% sequence identity to the other colony type.

⁴Percent probabilities above 90% indicate a close match to the typical biochemical pattern for the given organism, with a percent probability of 99% being a perfect match between the test reaction pattern and the unique biochemical pattern of the given organism or organism group. For additional information, please refer to O'Hara, C.M. and J. M. Miller. "Evaluation of the Vitek 2 ID-GNB Assay for Identification of Members of the Family Enterobacteriaceae and Other Nonenteric Gram-Negative Bacilli and Comparison with the Vitek GNI+ Card." *J. Clin. Microbiol.* 41 (2003): 2096-2101. PubMed: 12734254.

⁵Antibiotic susceptibility testing was performed using a mixed colony suspension

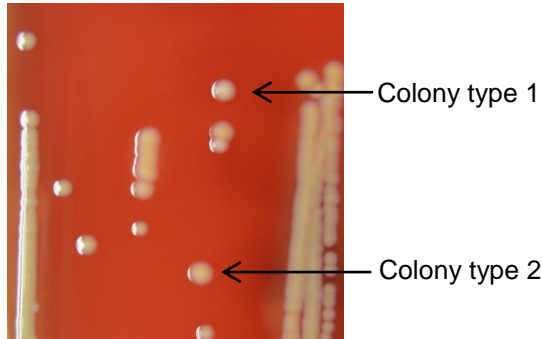
⁶Minimum Inhibitory Concentration (MIC); MIC Interpretation Guideline: CLSI M100-S22 (2012)

⁷The production of beta-lactamase was detected using a Cefinase™ Paper Disc (BBL™ 231650).

⁸MIC Interpretation Guideline: EUCAST Version 4.0 (2014)

⁹The purity 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



Date: 15 JUN 2016

Signature:

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