

Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1420 base pairs)	Consistent with <i>S. aureus</i>	Consistent with <i>S. aureus</i>
Viability (post-freeze)³	Growth	Growth

¹*S. aureus*, strain HIP11983 was deposited to BEI Resources as part of the NARSA collection. NR-46411 was produced by inoculation of the deposited material into Brain Heart Infusion broth with 6 µg/mL vancomycin and grown 26 hours at 37°C in an aerobic atmosphere. Broth inoculum was added to Brain Heart Infusion agar with 6 µg/mL vancomycin kolles which were grown 23 hours at 37°C in an aerobic atmosphere to produce this lot. Purity of this lot was assessed for 7 days under propagation conditions.

²Two colony types were observed. Plating of the individual colony types showed that they did not revert to the mixed colony type. The 16S ribosomal RNA gene of each colony type was sequenced and found to be consistent with the other colony type and *S. aureus*.

³21 hours at 37°C in an aerobic atmosphere on Brain Heart Infusion agar with 6 µg/mL vancomycin

⁴21 hours at 37°C in an aerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood

⁵4 hours at 37°C in rabbit serum with 0.15% EDTA (Coagulase Plasma BBL™ 240827)

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)

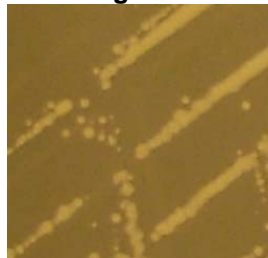
⁸24 hours at 37°C in an aerobic atmosphere on Mueller Hinton agar

⁹For both chloramphenicol (bioMérieux Etest® 412308) and teicoplanin (bioMérieux Etest® 412459) a MIC ≤ 8 µg/mL is sensitive, a MIC = 16 µg/mL is intermediate and a MIC ≥ 32 µg/mL is resistant. For trimethoprim/sulfamethoxazole (bioMérieux Etest® 412480) a MIC ≤ 2 µg/mL is sensitive and a MIC ≥ 4 µg/mL is resistant.

¹⁰*S. aureus*, strain HIP11983 was deposited as being sensitive to trimethoprim/sulfamethoxazole. ATCC® quality control determined that *S. aureus*, strain HIP11983 is resistant to trimethoprim/sulfamethoxazole. Repeat testing confirmed ATCC®'s initial results.

¹¹The susceptibility to trimethoprim/sulfamethoxazole was interpreted using three methods: individual MICs for trimethoprim and sulfamethoxazole (NARSA); combined MIC for trimethoprim/sulfamethoxazole (VITEK®); MIC for trimethoprim (Etest®).

Figure 1



Date: 27 JUN 2014

Signature:

Title: Technical Manager, BEI Authentication or designee

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