

***Staphylococcus aureus*, Strain Sa1303**

Catalog No. NR-51343

Product Description: *Staphylococcus aureus* (*S. aureus*), strain Sa1303 was isolated in 2005 from the bloodstream of a patient with septicemia in Helsinki, Finland. *S. aureus*, strain Sa1303 is a host bacterium for bacteriophage phi_3244S/Sa1303.

Lot¹: 70017426

Manufacturing Date: 25JUL2018

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ² Motility (wet mount) Hemolysis ³ Biochemical characterization: Catalase VITEK® MS (MALDI-TOF)	Gram-positive cocci Report results Report results Report results Positive <i>S. aureus</i>	Gram-positive cocci Circular, convex, entire, smooth and cream (Figure 1) Non-motile Non-hemolytic Positive <i>S. aureus</i> (99.9%)
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1490 base pairs)	≥ 99% sequence identity to <i>S. aureus</i> type strain (GenBank: L37597)	100% sequence identity to <i>S. aureus</i> type strain (GenBank: L37597) ⁴
Purity (post-freeze)⁵	Consistent with expected colony morphology	Consistent with expected colony morphology
Viability (post-freeze)²	Growth	Growth

¹NR-51343 was produced by inoculation of BEI Resources HMC-662 lot 59773831 into Brain Heart Infusion broth and grown 1 day at 37°C in an aerobic atmosphere. Broth inoculum was added to Brain Heart Infusion agar kolles, which were grown for 1days at 37°C in an aerobic atmosphere to produce this lot.

²1 day at 37°C in an aerobic atmosphere on Brain Heart Infusion agar

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

⁴Also consistent with other *Staphylococcus* species

⁵Purity of this lot was assessed for 7 days at 37°C in an aerobic atmosphere with 5% CO₂ on Brain Heart Infusion agar.

Figure 1: Colony Morphology



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