

Staphylococcus aureus, Strain Sa1912

Catalog No. NR-51347

Product Description: *Staphylococcus aureus* (*S. aureus*), strain Sa1912 was isolated in 2006 from the bloodstream of a patient with septicemia in Helsinki, Finland.

Lot¹: 70017433

Manufacturing Date: 10AUG2018

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, low convex, entire, opaque, smooth and yellow (Figure 1) Non-motile β-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)	99.9% 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-51347 was produced by inoculation of BEI Resources HMC-666 lot 59773836 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 1 day 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 on Tryptic Soy agar with 5% defibrinated sheep blood agar.

Figure 1: Colony Morphology



/Heather Couch/

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27 FEB 2019

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