

Certificate of Analysis for NR-51343

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.

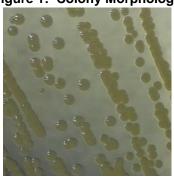
Lot1: 70017426 Manufacturing Date: 25JUL2018

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

NR-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.

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





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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



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/Heather Couch/ Heather Couch

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Program Manager or designee, ATCC Federal Solutions

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