

Certificate of Analysis for NR-51344

Staphylococcus aureus, Strain Sa1554

Catalog No. NR-51344

Product Description: Staphylococcus aureus (S. aureus), strain Sa1554 was isolated in 2005 from the bloodstream of a patient with septicemia in Helsinki, Finland. S. aureus, strain Sa1554 can be auto-induced following ultraviolet radiation treatment bacteriophage to produce phi05 1554UV/Sa1554.

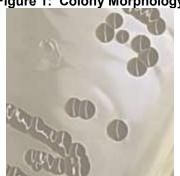
Lot1: 70017004 Manufacturing Date: 05JUL2018

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Cellular morphology	Gram-positive cocci	Gram-positive cocci
Colony morphology ²	Report results	Circular, convex, entire, opaque and white (Figure 1)
Motility (wet mount)	Report results	Non-motile
Hemolysis ³	Report results	Non-hemolytic ⁴
Biochemical characterization:	·	
Catalase	Positive	Positive
VITEK® MS (MALDI-TOF)	S. aureus	S. aureus (99.9%)
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 1440 base pairs)	≥ 99% sequence identity to S. aureus type strain (GenBank: L37597)	99.9% sequence identity to S. aureus type strain (GenBank: L37597) ⁵
Purity (post-freeze) ⁶	Consistent with expected colony morphology	Consistent with expected colony morphology
Viability (post-freeze) ²	Growth	Growth

¹NR-51344 was produced by inoculation of BEI Resources HMC-663 lot 59773832 into Brain Heart Infusion 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 for 2 days at 37°C in an aerobic atmosphere to produce this lot.

⁶Purity of this lot was assessed for 7 days on Brain Heart Infusion agar at 37°C in an aerobic atmosphere.





BEI Resources

www.beiresources.org

E-mail: contact@beiresources.org

Tel: 800-359-7370 Fax: 703-365-2898

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

⁴Limited β-hemolysis was observed after 2 days

⁵Also consistent with other Staphylococcus species



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/Heather Couch/

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Heather Couch 19 NOV 2018

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