

Certificate of Analysis for NR-10194

Staphylococcus aureus, Strain HFH-30032

Catalog No. NR-10194

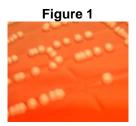
Product Description: *Staphylococcus aureus* (*S. aureus*), strain HFH-30106 was isolated from a human wound and is a community associated methicillin-resistant *S. aureus* (MRSA) strain. NR-10194 is positive for the Panton-Valentine leucocidin virulence factor and contains staphylococcal chromosome cassette *mec* type V.

Lot¹: 58859205 Manufacturing Date: 14OCT2009

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Cellular morphology	Gram-positive cocci	Gram-positive cocci
Colony morphology ²	Report results	Circular, low convex, entire, opaque and gray (Figure 1)
Motility	Non-motile	Non-motile
Oxacillin resistance	Resistant	Resistant
Hemolysis on blood agar	Report results	Positive
Biochemical Analyses		
Analytical profile index (API Staph®)	Consistent with S. aureus	Consistent with S. aureus
Catalase	Positive	Positive
Genotypic Analysis		
Sequencing of 16S ribosomal RNA gene (1340 bp)	Consistent with S. aureus	Consistent with S. aureus
PCR Assay of Extracted DNA		
16S ribosomal RNA gene	~ 1500 bp amplicon	~ 1500 bp amplicon
Viability (post-freeze) ²	Growth	Growth

¹S. aureus, strain HFH-30032 was deposited by Dr. Marcus Zervos, Division Head of Infectious Disease, Henry Ford Hospital, Department of Internal Medicine, Detroit, Michigan. NR-10194 was produced by inoculation of the deposited material into Brain Heart Infusion Broth (BD 237500) and grown 24 hours at 37°C. Broth inoculum was added to Kolles which were grown 24 hours at 37°C to produce this lot.

²24 hours at 37°C and aerobic atmosphere on Tryptic Soy Agar with 5% sheep blood



Date: 18 MAR 2010 **Signature:** Signature on File

Title: Technical Manager, BEI Authentication or designee

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