

Certificate of Analysis for NR-10192

Staphylococcus aureus, Strain HFH-30106

Catalog No. NR-10192

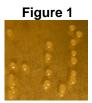
Product Description: Staphylococcus aureus (S. aureus), strain HFH-30106 was isolated from a human nasal passage and is a community associated methicillin-resistant S. aureus (MRSA) strain. NR-10192 has been pulse-field gel electrophoresis (PFGE) typed as not USA100-1100, is negative for the Panton-Valentine leucocidin virulence factor and contains staphylococcal chromosome cassette *mec* type II.

Lot¹: 58325724 Manufacturing Date: 12AUG2009

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Cellular morphology	Gram-positive cocci	Gram-positive cocci
Colony morphology ²	Report results	Circular, convex, entire, translucent and cream (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 (~ 1470 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-30106 was deposited by Dr. Marcus Zervos, Division Head of Infectious Disease, Henry Ford Hospital, Department of Internal Medicine, Detroit, Michigan. NR-10192 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 Brain Heart Infusion Agar



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

Title: Technical Manager, BEI Authentication or designee

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