

***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.

**Lot<sup>1</sup>: 58859205**

**Manufacturing Date: 14OCT2009**

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

<sup>1</sup>*S. 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.

<sup>2</sup>24 hours at 37°C and aerobic atmosphere on Tryptic Soy Agar with 5% sheep blood

**Figure 1**



**Date:** 18 MAR 2010

**Signature:** Signature on File

**Title:** Technical Manager, BEI Authentication or designee

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