

***Staphylococcus aureus*, Strain HFH-29753**

**Catalog No. NR-10188**

**Product Description:** *Staphylococcus aureus* (*S. aureus*), strain HFH-29753 isolated from human aspirate and is a community associated methicillin-resistant *S. aureus* (MRSA) strain. NR-10188 has been pulse-field gel electrophoresis (PFGE) typed as USA100, is negative for the Panton-Valentine leucocidin virulence factor and contains staphylococcal chromosome cassette *mec* type II.

**Lot<sup>1</sup>: 58325720**

**Manufacturing Date: 03OCT2008**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology <sup>2</sup>  Oxacillin resistance Hemolysis on blood agar Biochemical Analyses Analytical profile index (API Staph <sup>®</sup> ) Catalase	Gram-positive cocci Report results  Resistant Report results  Consistent with <i>S. aureus</i> Positive	Gram-positive cocci Circular, convex, entire, opaque and cream (Figure 1) Resistant Negative  Consistent with <i>S. aureus</i> Positive
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 1420 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>3</sup></b>	Growth	Growth

<sup>1</sup>*S. aureus*, strain HFH-29753 was deposited by Dr. Marcus Zervos, Division Head of Infectious Disease, Henry Ford Hospital, Department of Internal Medicine, Detroit, Michigan. NR-10188 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 Brain Heart Infusion Agar (BD 241830)

<sup>3</sup>24 hours at 37°C and aerobic atmosphere on Brain Heart Infusion Broth

**Figure 1**



**Date:** 13 OCT 2009

**Signature:** Signature on File

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

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