

***Staphylococcus aureus*, Strain HFH-29568**

Catalog No. NR-10186

Product Description: *Staphylococcus aureus* (*S. aureus*), strain HFH-29568 was isolated from human skin and is a community associated methicillin-resistant *S. aureus* (MRSA) strain. NR-10186 has been pulse-field gel electrophoresis (PFGE) typed as USA300, is positive for the Panton-Valentine leucocidin virulence factor and contains staphylococcal chromosome cassette *mec* type IV a.

Lot¹: 58325718

Manufacturing Date: 01OCT2009

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis Cellular morphology Colony morphology ² Oxacillin resistance Hemolysis on blood agar Biochemical Analyses Analytical profile index (API Staph [®]) 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 Positive Consistent with <i>S. aureus</i> Positive
Genotypic Analysis Sequencing of 16S ribosomal RNA gene (~ 720 bp) Riboprinting	Consistent with <i>S. aureus</i> Consistent with <i>S. aureus</i>	Consistent with <i>S. aureus</i> Consistent with <i>S. aureus</i>
PCR Assay of Extracted DNA 16S ribosomal RNA gene	~ 1500 bp amplicon	~ 1500 bp amplicon
Viability (post-freeze)³	Growth	Growth

¹*S. aureus*, strain HFH-29568 was deposited by Dr. Marcus Zervos, Division Head of Infectious Disease, Henry Ford Hospital, Department of Internal Medicine, Detroit, Michigan. NR-10186 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 (BD 241830)

³24 hours at 37°C and aerobic atmosphere on Brain Heart Infusion Broth

Figure 1



Date: 14 OCT 2009

Signature: Signature on File

Title: Technical Manager, BEI Authentication or designee

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