SUPPORTING INFECTIOUS DISEASE RESEARCH

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.

Lot¹: 58325720

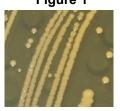
Manufacturing Date: 03OCT2008

TEST	SPECIFICATIONS	RESULTS
Phenotypic Analysis		
Cellular morphology	Gram-positive cocci	Gram-positive cocci
Colony morphology ²	Report results	Circular, convex, entire, opaque and cream (Figure 1)
Oxacillin resistance	Resistant	Resistant
Hemolysis on blood agar	Report results	Negative
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 (~ 1420 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) ³	Growth	Growth

¹S. 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.
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 Again

Figure 1



Date: 13 OCT 2009

Signature: Signature on File

Title:

Technical Manager, BEI Authentication or designee

ATCC[®], on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC[®]'s knowledge.



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