

Staphylococcus aureus, Strain MRSA131

Catalog No. HM-466

Product Description: *Staphylococcus aureus* (*S. aureus*), strain MRSA131 was isolated from the skin of a patient with a soft tissue infection in Villavicencio, Colombia.

Lot^{1,2}: 59999388

Manufacturing Date: 06MAY2011

| TEST | SPECIFICATIONS | RESULTS |
|--|---|---|
| Phenotypic Analysis Cellular morphology Colony morphology ³ Oxacillin resistance ⁴ β-Hemolysis on blood agar Analytical profile index (API Staph [®]) ⁵ Catalase | Report results Report results Resistant Report results Consistent with <i>S. aureus</i> Positive | Gram-positive cocci Circular, entire, glistening and beige (Figure 1) Resistant Positive Consistent with <i>S. aureus</i> Positive |
| Genotypic Analysis Sequencing of 16S ribosomal RNA gene (1280 base pairs) | ≥ 99% identical to GenBank: AECR01000001 (<i>S. aureus</i> MRSA131) | ≥ 99% identical to GenBank: AECR01000001 (<i>S. aureus</i> MRSA131) |
| Viability (post-freeze)³ | Growth | Growth |

¹Quality control of HMP material is only performed to demonstrate that the material distributed by BEI Resources is identical to the deposited material. It should not be considered a complete characterization of the deposited organism.

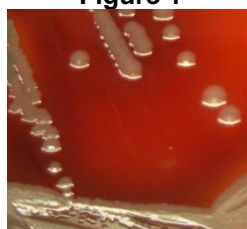
²*S. aureus*, strain MRSA131 was deposited by Cesar A. Arias, M.D., Ph.D., Assistant Professor of Medicine, Department of Internal Medicine, The University of Texas Health Science Center at Houston, Houston, Texas. The deposited material was inoculated into Brain Heart Infusion Broth and incubated for 24 hours at 37°C in an aerobic atmosphere. The material from the initial growth was passaged once in Brain Heart Infusion Broth for 24 hours at 37°C and then added to Kolles for 24 hours at 37°C to produce this lot.

³24 hours at 37°C in an aerobic atmosphere on Tryptic Soy Agar with 5% sheep blood

⁴24 hours at 37°C in an aerobic atmosphere on Mueller Hinton Agar containing 6 µg/mL Oxacillin and 4% NaCl (Oxacillin Screen Agar BBL™ 221952)

⁵The API Staph[®] identification includes a test for Lysostaphin resistance that was not completed for HM-466. HM-466 is identified as *S. aureus* by the API Staph[®] test regardless of the Lysostaphin resistance test results.

Figure 1



Date: 16 MAR 2012

Signature: 

Title: Technical Manager, BEI Authentication or designee

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