

**Staphylococcus aureus, Strain CM05**

**Catalog No. HM-991**

**Product Description:**

*Staphylococcus aureus* (*S. aureus*), strain CM05 was isolated in 2005 in Medellin, Colombia from a tracheal aspirate of a patient with a fatal ventilator-associated pneumonia; it is a linezolid-resistant *S. aureus* (LRSA), methicillin-resistant *S. aureus* (MRSA) strain. HM-991 was produced by the inoculation of BEI Resources seed lot 63283083 into Tryptic Soy broth and incubated for 1 day at 37°C in an aerobic atmosphere. The material from the initial growth was passaged once in Tryptic Soy agar with 5% defibrinated sheep blood kolles for 1 day at 37°C in an aerobic atmosphere to produce this lot.

**Note:** Quality 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.

**Lot: 70044518**

**Manufacturing Date: 27MAY2021**

TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology 1 day at 37°C in an aerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood Motility (wet mount)	Gram-positive cocci Report results  Report results	Gram-positive cocci Circular, low convex, entire, smooth and cream (Figure 1)  Non-motile
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 1480 base pairs)	≥ 99% sequence identity to <i>S. aureus</i> , Strain CM05 (GenBank: AMAB01000004)	100% sequence identity to <i>S. aureus</i> , Strain CM05 (GenBank: AMAB01000004)
<b>Purity (post-freeze)</b> Purity of this lot was assessed for 7 days at 37°C in an aerobic atmosphere with 5% CO <sub>2</sub> on Tryptic Soy agar with 5% defibrinated sheep blood	Growth consistent with expected colony morphology	Growth consistent with expected colony morphology
<b>Viability (post-freeze)</b> 1 days at 37°C in an aerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood	Growth	Growth

**Figure 1: Colony Morphology**



/Heather Couch/

Heather Couch

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Program Manager or designee, ATCC Federal Solutions

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