

**Staphylococcus lugdunensis, Strain VCU139**

**Catalog No. NR-46406**

**Product Description:**

*Staphylococcus lugdunensis* (*S. lugdunensis*), strain VCU139 is of unknown origin. *S. lugdunensis*, strain VCU139 was deposited to BEI Resources as part of the NARSA collection. NR-46406 was produced by inoculation of the BEI Resources seed lot 64016406 into Tryptic Soy broth and grown for 1 day at 37°C in an aerobic atmosphere. Broth inoculum was added to Tryptic Soy agar with 5% defibrinated sheep blood kolles, which were grown for 1 day at 37°C in an aerobic atmosphere to produce this lot. Quality control testing was completed under propagation conditions unless otherwise noted.

**Lot: 70061190**

**Manufacturing Date: 07JUN2023**

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TEST	SPECIFICATIONS	RESULTS
<b>Phenotypic Analysis</b> Cellular morphology Colony morphology  Motility (wet mount) Hemolysis 1 day at 37°C in an aerobic atmosphere on Tryptic Soy agar with 5% defibrinated sheep blood Biochemical characterization Catalase Coagulase <sup>1</sup> VITEK® 2 Compact (GP card)	Gram-positive cocci Report results  Report results Report results  Positive Report results <i>S. lugdunensis</i> (≥ 89.9%)	Gram-positive cocci Circular, convex, entire, smooth and white  Non-motile Non-hemolytic  Positive Negative <i>S. lugdunensis</i> (99.9%)
<b>Genotypic Analysis</b> Sequencing of 16S ribosomal RNA gene (~ 1480 base pairs)	≥ 99% identity to <i>S. lugdunensis</i> , strain VCU139 (GenBank: AHLK01000020.1)	99.9% identity to <i>S. lugdunensis</i> , strain VCU139 (GenBank: AHLK01000020.1)
<b>Purity (post-freeze)</b> 7 days at 37°C in an aerobic atmosphere with and without 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>	Growth	Growth

<sup>1</sup>4 hours at 37°C in rabbit serum with 0.15% EDTA (Coagulase Plasma BBL™ 240827)

/Sonia Bjorum Brower/

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07 AUG 2023

Technical Manager or designee, ATCC Federal Solutions

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