

***Staphylococcus lugdunensis*, Strain VCU139**

**Catalog No. NR-46406**

**For research use only. Not for human use.**

**Contributor:**

Network on Antimicrobial Resistance in *Staphylococcus aureus* (NARSA), NIAID, NIH

**Manufacturer:**

BEI Resources

**Product Description:**

Bacteria Classification: *Staphylococcaceae*, *Staphylococcus*

Species: *Staphylococcus lugdunensis*

Strain: VCU139

NARSA Catalog Number: NRS878

Original Source: *Staphylococcus lugdunensis* (*S. lugdunensis*), strain VCU139 is of unknown origin.<sup>1</sup>

Comments: The complete genome sequence of *S. lugdunensis*, strain VCU139 is available (GenBank: [AHLK00000000](https://www.ncbi.nlm.nih.gov/nuclink/1008800000)).

*S. lugdunensis* is a Gram-positive, catalase-positive, coagulase-negative staphylococci (CoNS) that normally colonizes human skin.<sup>2</sup> It is commensal and an infrequent pathogen causing endocarditis, abscess and wound infection, urinary tract infection, and infection of implanted medical devices. The clinical characteristics of *S. lugdunensis* infections resemble those of *S. aureus* rather than other CoNS. Unlike other staphylococcal species, *S. lugdunensis* is susceptible to a wide array of antimicrobial agents.<sup>3</sup>

**Material Provided:**

Each vial contains approximately 0.5 mL of bacterial culture in Tryptic Soy broth supplemented with 10% glycerol.

Note: If homogeneity is required for your intended use, please purify prior to initiating work.

**Packaging/Storage:**

NR-46406 was packaged aseptically in cryovials. The product is provided frozen and should be stored at -60°C or colder immediately upon arrival. For long-term storage, the vapor phase of a liquid nitrogen freezer is recommended. Freeze-thaw cycles should be avoided.

**Growth Conditions:**

Media:

Brain Heart Infusion broth or Tryptic Soy broth or equivalent  
Brain Heart Infusion agar or Tryptic Soy agar or Tryptic Soy agar with 5% defibrinated sheep blood or equivalent

Incubation:

Temperature: 37°C

Atmosphere: Aerobic

Propagation:

1. Keep vial frozen until ready for use, then thaw.
2. Transfer the entire thawed aliquot into a single tube of broth.
3. Use several drops of the suspension to inoculate an agar slant and/or plate.
4. Incubate the tube, slant and/or plate at 37°C for 1 day.

**Citation:**

Acknowledgment for publications should read "The following reagent was provided by the Network on Antimicrobial Resistance in *Staphylococcus aureus* (NARSA) for distribution by BEI Resources, NIAID, NIH: *Staphylococcus lugdunensis*, Strain VCU139, NR-46406."

**Biosafety Level: 2**

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories. 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see [www.cdc.gov/biosafety/publications/bmbl5/index.htm](http://www.cdc.gov/biosafety/publications/bmbl5/index.htm).

**Disclaimers:**

You are authorized to use this product for research use only. It is not intended for human use.

Use of this product is subject to the terms and conditions of the BEI Resources Material Transfer Agreement (MTA). The MTA is available on our Web site at [www.beiresources.org](http://www.beiresources.org).

While BEI Resources uses reasonable efforts to include accurate and up-to-date information on this product sheet, neither ATCC® nor the U.S. Government makes any warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. Neither ATCC® nor the U.S. Government warrants that such information has been confirmed to be accurate.

This product is sent with the condition that you are responsible for its safe storage, handling, use and disposal. ATCC® and the U.S. Government are not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to ensure authenticity and reliability of materials on deposit, the U.S. Government, ATCC®, their suppliers and contributors to BEI Resources are not liable for damages arising from the misidentification or misrepresentation of products.

**Use Restrictions:**

**This material is distributed for internal research, non-commercial purposes only.** This material, its product or its derivatives may not be distributed to third parties. Except as performed under a U.S. Government contract, individuals contemplating commercial use of the material, its products or its derivatives must contact the contributor to determine if a

license is required. U.S. Government contractors may need a license before first commercial sale.

**References:**

1. NARSA, NRS878
2. Freney, J., et al. "*Staphylococcus lugdunensis* sp. nov. and *Staphylococcus schleiferi* sp. nov., Two Species from Human Clinical Specimens." Int. J. Syst. Bacteriol. 38 (1988): 168-172.
3. Frank, K. L., J. L. Del Pozo and R. Patel. "From Clinical Microbiology to Infection Pathogenesis: How Daring to be Different Works for *Staphylococcus lugdunensis*." Clin. Microbiol. Rev. 21 (2008): 111-133. PubMed: 18202439.

ATCC® is a trademark of the American Type Culture Collection.

