Staphylococcus lugdunensis, Strain VCU150

Catalog No. NR-46409

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: VCU150
NARSA Catalog Number: NRS881
Original Source: Staphylococcus lugdunensis (S. lugdunensis), strain VCU150 is of unknown origin.1
Comments: The complete genome sequence of S. lugdunensis, strain VCU150 is available (GenBank: JIBS00000000).

S. lugdunensis is a Gram-positive, catalase-positive, coagulase-negative staphylococci (CoNS) that normally colonizes human skin.2 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.3

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-46409 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 VCU150, NR-46409.”

Biosafety Level: 2

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BEI Resources
www.beiresources.org

E-mail: contact@beiresources.org
Tel: 800-359-7370
Fax: 703-365-2898

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References:
1. NARSA, NRS881.

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