**Staphylococcus capitis**, Strain VCU116

Catalog No. NR-46394

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 capitis*
- **Strain:** VCU116
- **NARSA Catalog Number:** NRS866
- **Original Source:** *Staphylococcus capitis* (S. capitis), strain
  VCU116 is of unknown origin.
- **Comments:** The complete genome sequence of *S. capitis*, strain VCU116 is available (GenBank: AFTX00000000).

*S. capitis* is a facultatively aerobic, Gram-positive, non-motile, non-sporulenta coccus found on normal human skin, predominantly on the scalp.² Along with other members of the coagulase negative staphylococci (CoNS), *S. capitis* is an emerging opportunistic nosocomial pathogen in premature neonates and immunocompromised patients. *S. capitis* is prevalent particularly in the presence of a foreign body, such as indwelling central venous catheters and prosthetic heart valves.³ ⁴ ⁵

**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-46394 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. Freezethaw 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 capitis*, Strain VCU116, NR-46394.”

**Biosafety Level:** 2


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**References:**
1. NARSA, NRS866

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BEI Resources
[www.beiresources.org](http://www.beieresources.org)

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

Page 1 of 2


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