

***Staphylococcus capitis*, Strain SK14**

Catalog No. HM-117

For research use only. Not for human use.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Bacteria Classification: *Staphylococcaceae*, *Staphylococcus*

Species: *Staphylococcus capitis*

Strain: SK14

Original Source: *Staphylococcus capitis* (*S. capitis*), strain SK14 was isolated from normal skin of the right arm of a 58-year-old man.^{1,2}

Comments: *S. capitis*, strain SK14 ([HMP ID 0785](#)) is a reference genome for [The Human Microbiome Project](#) (HMP). HMP is an initiative to identify and characterize human microbial flora. The complete genome of *S. capitis*, strain SK14 was sequenced at the [J. Craig Venter Institute](#) (GenBank: [ACFR00000000](#)).

Note: HMP material is taxonomically classified by the depositor. Quality control of these materials is only performed to demonstrate that the material distributed by BEI Resources is identical to the deposited material.

S. capitis is a facultatively aerobic, Gram-positive, non-motile, non-sporulent coccus found on normal human skin, predominately on the scalp.³ It is an opportunistic pathogen in premature neonates and immunocompromised patients, particularly in the presence of a foreign body.^{4,6}

Material Provided:

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

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

Packaging/Storage:

HM-117 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:

Nutrient broth or equivalent

Nutrient agar 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 obtained through BEI Resources, NIAID, NIH as part of the Human Microbiome Project: *Staphylococcus capitis*, Strain SK14, HM-117."

Biosafety Level: 1

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.

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References:

1. Perez-Perez, G. I., Personal Communication.
2. [HMP ID 0785](#) (*Staphylococcus capitis*, strain SK14)
3. Kloos, W. E. and K. H. Schleifer. "Isolation and Characterization of Staphylococci from Human Skin. II. Descriptions of Four New Species: *Staphylococcus warneri*, *Staphylococcus capitis*, *Staphylococcus hominis*, and *Staphylococcus simulans*." Int. J. Syst. Bacteriol. 25 (1975): 62-79.
4. Cui, B., et al. "Differences between Two Clinical *Staphylococcus capitis* Subspecies Revealed by Biofilm, Antibiotic Resistance and PFGE Profiling." J. Clin. Microbiol. 51 (2013): 9-14. PubMed: 23052315.
5. Rasigade, J.-P., et al. "Methicillin-Resistant *Staphylococcus capitis* with Reduced Vancomycin Susceptibility Causes Late-Onset Sepsis in Intensive Care Neonates." PLoS One 7 (2012): e31548. PubMed: 22348102.
6. Takano, T., et al. "Prosthetic Valve Endocarditis Caused by *Staphylococcus capitis*: Report of 4 Cases." J. Cardiothorac. Surg. 6 (2011): 131. PubMed: 21978659.

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