

# Product Information Sheet for HM-143

## ***Staphylococcus caprae*, Strain M23864:W1**

### **Catalog No. HM-143**

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

#### **Contributor:**

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#### **Manufacturer:**

BEI Resources

#### **Product Description:**

Bacteria Classification: *Staphylococcaceae*, *Staphylococcus*

Species: *Staphylococcus caprae*

Strain: M23864:W1

Original Source: *Staphylococcus caprae* (*S. caprae*), strain M23864:W1 was isolated from human skin.<sup>1,2</sup>

Comments: *S. caprae*, strain M23864:W1 (HMP ID 793) 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. caprae*, strain M23864:W1 was sequenced at [Baylor College of Medicine](#) (GenBank: [ACJB000000000](#)).

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. caprae* is a facultatively aerobic, Gram-positive, mesophilic, non-motile coccus found on normal human skin. It is an opportunistic pathogen in immunocompromised patients, implicated in infections of the bloodstream, urinary tract, bones and joints.<sup>2</sup>

#### **Material Provided:**

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

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

#### **Packaging/Storage:**

HM-143 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 equivalent

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 tubes and 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 caprae*, Strain M23864:W1, HM-143."

#### **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](http://www.cdc.gov/biosafety/publications/bmbl5/index.htm).

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**References:**

1. Highlander, S. K., Personal Communication.
2. [HMP ID 793](#) (*Staphylococcus caprae*, strain M23864:W1)
3. Shuttleworth, R., et al. "Human Isolates of *Staphylococcus caprae*: Association with Bone and Joint Infections." *J. Clin. Microbiol.* 35 (1997): 2537-2541. PubMed: 9316903.

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