

***Staphylococcus epidermidis*, Strain M23864:W2**

Catalog No. HM-144

For research use only. Not for human use.

Contributor:

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Product Description:

Bacteria Classification: *Staphylococcaceae*, *Staphylococcus*

Species: *Staphylococcus epidermidis*

Strain: M23864:W2

Original Source: *Staphylococcus epidermidis* (*S. epidermidis*), strain M23864:W2 was isolated from human skin.

Comments: *S. epidermidis*, strain M23864:W2 is a reference genome for [The Human Microbiome Project](#) (HMP). HMP is an initiative to identify and characterize human microbial flora. The whole genome shotgun sequencing of *S. epidermidis*, strain M23864:W2 is available (GenBank: ADMU00000000).

S. epidermidis is a very hearty, Gram-positive, cluster-forming coccus that normally colonizes human skin and nostrils. It is the most common source of infection on indwelling medical devices, particularly catheters, and is now seen as an important opportunistic pathogen.¹

Material Provided:

Each vial contains approximately 0.5 mL of bacterial culture in 0.5X 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-144 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% 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 24 hours.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through the NIH Biodefense and Emerging Infections Research Resources Repository, NIAID, NIH as part of the Human Microbiome Project: *Staphylococcus epidermidis*, Strain M23864:W2, HM-144."

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, 2007; see www.cdc.gov/od/ohs/biosfty/bmb15/bmb15toc.htm.

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References:

1. Otto, M. "*Staphylococcus epidermidis* - the 'Accidental' Pathogen." Nat. Rev. Microbiol. 7 (2009): 555-567. PubMed: 19609257.

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