

***Staphylococcus epidermidis*, Strain M0881**

Catalog No. NR-41888

For research use only. Not for human use.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Bacteria Classification: *Staphylococcaceae*, *Staphylococcus*

Species: *Staphylococcus epidermidis*

Strain: M0881

Original Source: *Staphylococcus epidermidis* (*S. epidermidis*), strain M0881 was isolated in 2004 from nares of an adult male.¹

Comments: The complete genome sequence of *S. epidermidis*, strain M0881 is available (GenBank: [AOAJ00000000](http://www.ncbi.nlm.nih.gov/nuccore/AOAJ00000000)).

S. epidermidis is a Gram-positive, cluster-forming, coagulase-negative coccus which is part of the normal flora of the skin and nostrils. Recently, it has become a common cause of hospital-acquired infections, particularly infections on implanted medical devices. Similar to *S. aureus*, *S. epidermidis* can be resistant to a number of antibiotics, including methicillin. Approximately 75 to 90% of hospital isolates are methicillin-resistant *S. epidermidis* (MRSE). It is believed that *S. epidermidis* serves as a reservoir for antibiotic resistant genes and other genomic islands that *S. aureus* can acquire through uni-directional horizontal gene transfer.²

Material Provided:

Each vial contains approximately 0.5 mL of bacterial culture in 0.5X 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-41888 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:

Tryptic Soy broth or Brain Heart Infusion broth or equivalent
Tryptic Soy agar with 5% defibrinated sheep blood or Brain Heart Infusion 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 18 to 24 hours.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: *Staphylococcus epidermidis*, Strain M0881, NR-41888."

Biosafety Level: 2

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/od/ohs/biosfty/bmbl5/bmbl5toc.htm.

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References:

1. A. Onderdonk, Personal Communication.
2. Otto, M., "*Staphylococcus epidermidis*-The 'Accidental' Pathogen." Nat. Rev. Microbiology. 7 (2009): 555-567. PubMed: 19609257.

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