**Product Information Sheet for NR-41888**

**Staphylococcus epidermidis, Strain M0881**

**Catalog No. NR-41888**

For research use only. Not for use in humans.

**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).

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 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 1 day.

**Citation:**

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

**Biosafety Level:**

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**Disclaimers:**

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References:
1. Onderdank, A. B., Personal Communication.

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