

Staphylococcus warneri, Strain RN0833

Catalog No. NR-45940

For research use only. Not for human use.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Bacteria Classification: *Staphylococcaceae*, *Staphylococcus*

Species: *Staphylococcus warneri*

Strain: RN0833

NARSA Catalog Number: NRS138

Original Source: *Staphylococcus warneri* (*S. warneri*), strain RN0833 is a variant of strain RN831, a nitrosoguanidine-induced nuclease-deficient strain. In turn, strain RN831 was derived from the clinical strain Foggi(e) that was isolated from a human patient with a pyogenic infection.

Comments: *S. warneri*, strain RN0833 is reported to be a naturally occurring producer of the *agrD* autoinducing peptide YINCTNFF, which is an inhibitor for the four *agr* groups. *S. warneri*, strain RN0833 was deposited as negative for *mec*.^{1,2} Although this strain originally produced an α -hemolysin, since storage at -80°C from 1968 to 1993, it no longer does so.

S. warneri is a facultatively aerobic, Gram-positive, mesophilic, nonmotile coagulase-negative coccus found on normal human skin.³ Coagulase-negative staphylococci are important nosocomial pathogens, particularly in cases of indwelling medical devices and in neonatal intensive care units.⁴

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-45940 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 Tryptic Soy broth or equivalent
Brain Heart Infusion agar or 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 tube, slant and/or plate at 37°C for 18 to 24 hours.

Citation:

Acknowledgment for publications should read "The following reagent was provided by the Network on Antimicrobial Resistance in *Staphylococcus aureus* (NARSA) for distribution by BEI Resources, NIAID, NIH: *Staphylococcus warneri*, Strain RN0833, NR-45940."

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/biosafety/publications/bmbl5/index.htm.

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References:

1. NARSA, NRS138
2. Balaban, N. and R. P. Novick. "Autocrine Regulation of Toxin Synthesis by *Staphylococcus aureus*." Proc. Natl. Acad. Sci. USA 92 (1995): 1619-1623. PubMed: 7533297.
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. Kamath, U., et al. "Clinical Significance of *Staphylococcus warneri* Bacteremia." J. Clin. Microbiol. 30 (1992): 261-264. PubMed: 1537891.

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