

***Staphylococcus haemolyticus*, Strain NRS62**

**Catalog No. NR-45892**

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

**Contributor:**

Network on Antimicrobial Resistance in *Staphylococcus aureus* (NARSA), NIAID, NIH

**Manufacturer:**

BEI Resources

**Product Description:**

Bacteria Classification: *Staphylococcaceae*, *Staphylococcus*

Species: *Staphylococcus haemolyticus*

Strain: NRS62

NARSA Catalog Number: NRS62

Original Source: *Staphylococcus haemolyticus* (*S. haemolyticus*), strain NRS62 was isolated in 2000 from the dialysis fluid of a 58-year-old female renal ward inpatient in Texas, USA.<sup>1,2</sup>

Comments: *S. haemolyticus*, strain NRS62 was deposited as a glycopeptide-intermediate *S. haemolyticus* strain.<sup>1</sup> *S. haemolyticus*, strain NRS62 was deposited as positive for *mecA* and negative for *vanA*, *vanB*, *vanC1*, *vanC2*, *vanD* and *vanE*.<sup>1</sup>

*S. haemolyticus* is a Gram-positive, coagulase-negative, facultative anaerobic, non-motile, non-sporulating bacterium that normally colonizes human skin and nostrils.<sup>3,4</sup> It is the most common source of infection on indwelling medical devices, particularly catheters, and is now seen as an important opportunistic pathogen.<sup>4</sup>

**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-45892 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 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 1 day.

**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 haemolyticus*, Strain NRS62, NR-45892."

**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/bmb15/index.htm](http://www.cdc.gov/biosafety/publications/bmb15/index.htm).

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**References:**

1. NARSA, NRS62
2. Flahaut, S., et al. "Structural and Biological Characterization of a Capsular Polysaccharide Produced by *Staphylococcus haemolyticus*." J. Bacteriol. 190 (2008): 1649-1657. PubMed: 18165309.
3. Becker, K., C. Heilmann and G. Peters. "Coagulase-Negative Staphylococci." Clin. Microbiol. Rev. 27 (2014): 870-926. PubMed: 25278577.
4. Takeuchi, F., et al. "Whole-Genome Sequencing of *Staphylococcus haemolyticus* Uncovers the Extreme Plasticity of its Genome and the Evolution of Human-Colonizing Staphylococcal Species." J. Bacteriol. 187 (2005): 7292-7308. PubMed: 16237012.

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