

***Staphylococcus haemolyticus*, Strain NRS115**

Catalog No. NR-45921

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: NRS115

NARSA Catalog Number: NRS115

Original Source: *Staphylococcus haemolyticus* (*S. haemolyticus*), strain NRS115 was isolated in February 2002 from a 45-year-old male inpatient in California, USA. Strain NRS115 is a co-isolate with *S. haemolyticus*, strain NRS116 from the same patient.^{1,2}

Comments: *S. haemolyticus*, strain NRS115 is reported to be a vancomycin-intermediate *S. haemolyticus* strain.¹ *S. haemolyticus*, strain NRS115 was deposited as positive for *mecA* and negative for *vanA*, *vanB*, *vanC1*, *vanC2*, *vanD* and *vanE*.¹

S. haemolyticus is a Gram-positive, catalase-positive, coagulase-negative bacterium that normally colonizes human skin and nostrils.^{3,4} It is the most common source of infection on indwelling medical devices, particularly catheters, and is now seen as an important opportunistic pathogen.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-45921 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 NRS115, NR-45921."

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.

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References:

1. NARSA, NRS115
2. NARSA, NRS116
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.
5. Flahaut, S., et al. "Structural and Biological Characterization of a Capsular Polysaccharide Produced by *Staphylococcus haemolyticus*." *J. Bacteriol.* 190 (2008): 1649-1657. PubMed: 18165309.

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