Product Information Sheet for NR-45922

Staphylococcus haemolyticus, Strain NRS116

Catalog No. NR-45922

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: NRS116
NARSA Catalog Number: NRS116
Original Source: *Staphylococcus haemolyticus (S. haemolyticus)*, strain NRS116 was isolated in February 2002 from a 45-year-old male inpatient in California, USA. Strain NRS116 is a co-isolate with *S. haemolyticus*, strain NRS115 from the same patient.[1,2]
Comments: *S. haemolyticus*, strain NRS116 is reported to be a glycopeptide-intermediate *S. haemolyticus* strain.[1] *S. haemolyticus,* strain NRS116 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-45922 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 NRS116, NR-45922."

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.

Disclaimers:
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References:

1. NARSA, NRS116
2. NARSA, NRS115
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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