**Product Information Sheet for NR-13392**

*Streptococcus pneumoniae*, Strain TREP6A

Catalog No. NR-13392

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

**Contributor:**
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**Product Description:**

**Bacteria Classification:** Streptococcaceae, Streptococcus

**Species:** Streptococcus pneumoniae

**Strain:** TREP6A

**Source:** The antibiotic-resistant variant Streptococcus pneumoniae (S. pneumoniae), TREP6A was derived from human wild-type *S. pneumoniae*, strain EF6796 by natural selection using increasing concentrations of trimethoprim. *S. pneumoniae*, TREP6A is reported to be resistant to trimethoprim at a concentration of 25 µg per mL.¹

*S. pneumoniae* is a Gram-positive, α-hemolytic diplococcal aerotolerant anaerobe that is a major cause of pneumonia, bacterial meningitis and otitis media. *S. pneumoniae* has a polysaccharide capsule that acts as a virulence factor for the organism. There are over ninety different capsular types of *S. pneumoniae* which differ in virulence, prevalence, and extent of drug resistance.²

**Material Provided:**
Each vial contains bacterial culture in Todd-Hewitt broth containing 0.5% (w/v) yeast extract and 15% glycerol.

**Note:** If homogeneity is required for your intended use, please purify prior to initiating work.

**Packaging/Storage:**
NR-13392 was packaged aseptically in cryovials. The product is provided frozen and should be stored at -80°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.

**Citation:**
Acknowledgment for publications should read “The following reagent was obtained through the NIH Biodefense and Emerging Infectious Research Resources Repository, NIAID, NIH: *Streptococcus pneumoniae*, Strain TREP6A, NR-13392.”

**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.

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**References:**

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