**Streptococcus pneumoniae**, Strain SPEC6C

**Catalog No. NR-20805**

For research use only. Not for human use.

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

**Bacteria Classification:** Streptococcaceae, Streptococcus  
**Species:** Streptococcus pneumoniae  
**Strain:** SPEC6C  
**Original Source:** Streptococcus pneumoniae (S. pneumoniae), strain SPEC6C was derived from human wild-type S. pneumoniae, strain BGO-2197 by natural selection using increasing concentrations of spectinomycin.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.²,³

**Material Provided:**
Each vial contains approximately 1.8 mL of 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-20805 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 Infections Research Resources Repository, NIAID, NIH: Streptococcus pneumoniae, Strain SPEC6C, NR-20805.”

**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:
1. Robert L. Burton, personal communication
3. Todar's Online Textbook of Bacteriology.

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