**Streptococcus pneumoniae, Strain SPEC19F**

**Catalog No. NR-13399**

For research use only. Not for human use.

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

*Bacteria Classification:* Streptococcaceae, Streptococcus

*Species:* Streptococcus pneumoniae

*Strain:* SPEC19F

*Source:* The antibiotic-resistant variant *Streptococcus pneumoniae* (S. pneumoniae), SPEC19F was derived from human wild-type *S. pneumoniae*, strain DS2217-94 by natural selection using increasing concentrations of spectinomycin. *S. pneumoniae*, SPEC19F is reported to be resistant to spectinomycin at a concentration of 150 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-13399 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 SPEC19F, NR-13399.”

**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

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**References:**

2. Todar’s Online Textbook of Bacteriology.

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