**Streptococcus pneumoniae Cell Wall Polysaccharide Antigen**

**DAG2685  S. pneumoniae**  
Lot. No. (See product label)

**PRODUCT INFORMATION**

**Product overview**  
CWPS is supplied in a vial containing minimum 10 mg lyophilized purified antigen

**Source**  
The cell wall polysaccharide (CWPS) of Streptococcus pneumoniae (pneumococcus) is a peptidoglycan-attached teichoic acid common to all capsular serotypes examined, and the same polymer with a lipid anchor - called lipoteichoic acid - is associated with the cell membrane

**Species**  
S. pneumoniae

**Form**  
lyophilized purified antigen

**Applications**  
CWPS is a pneumococcal antigen common to all pneumococcal serotypes used for preadsorbing human serum samples before quantitation of selected pneumococcal capsular polysaccharide antibodies. CWPS may also be used as a coating agent during performance of enzyme linked immunosorbent assay (ELISA test)

**PACKAGING**

**Storage**  
Store the lyophilized purified CWPS at room temperature. The stability of the stocksolution (10 mg/mL) is 1-2 weeks at 2-8°C, and can be prolonged by addition of sodium azide.

**Dilutions**  
To test the effect of adsorption CWPS can be used as an ELISA plate coating agent. The stocksolution is diluted 1:4000 in coatingbuffer (2.5 µg/mL).

**BACKGROUND**

**Introduction**  
Streptococcus pneumoniae, or pneumococcus, is a Gram-positive, alpha-hemolytic, aerotolerant anaerobic member of the genus Streptococcus. A significant human pathogenic bacterium, S. pneumoniae was recognized as a major cause of pneumonia in the late 19th century, and is the subject of many humoral immunity studies. Despite the name, the organism causes many types of pneumococcal infections other than pneumonia.

**Keywords**  
Streptococcus pneumoniae; Streptococcus pneumoniae; S. pneumoniae; Firmicutes; bacilli; Lactobacillales; Streptococcaceae; Streptococcus; S. pneumoniae CWPS; Streptococcus pneumoniae Cell Wall Polysaccharide; CWPS; Cell Wall Polysaccharide

**REFERENCES**