

Pneumococcal cell wall polysaccharide (C-Ps)

for absorption of human serum samples

for *in vitro* diagnostic use



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Application

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

Description

C-Ps is supplied in a vial containing minimum 10 mg lyophilized purified antigen.

Principle

During pneumococcal vaccination the level of antibodies against pneumococcal capsular polysaccharides are determined. To be able to measure a specific antibody response to a capsular polysaccharide it is necessary to remove the developed antibodies against pneumococcal C-Ps (no protection against pneumococcal invasive disease), otherwise falsely high antibody levels will be measured. The C-Ps exists as a contaminant in the pneumococcal capsule. Almost all individuals have antibodies against C-Ps, as a response to pneumococcal carriage or infection. The C-Ps antibodies have to be neutralized (absorbed) by adding C-Ps to the serum sample.

Materials required but not provided

- Type I reagent grade water - ultra pure water (conforms to ASTM, CAP, NCCLS, USP and ISO specifications).

Procedure

Absorption of human serum

Prepare a stocksolution by dissolving 10 mg lyophilized purified C-Ps in 1 mL type I reagent grade water (10 mg/mL). Further dilutions are made in dilution buffer. The recommended concentration of C-Ps for absorption varies from one procedure to another.

Coating of ELISA plates

To test the effect of absorption C-Ps can be used as an ELISA plate coating agent. The stocksolution is diluted 1:4000 in coatingbuffer (2.5 µg/mL).

Storage and shelflife

Store the lyophilized purified C-Ps at room temperature. Expiry date of the sealed vial is printed on the package.

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.

Information and ordering

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