ANTIGENS
CWPS MULTI

- *Pneumococcal CWPS mixture*
- *One step absorption of human serum*
- *Ready to use*

STATENS SERUM INSTITUT

prevents and controls infectious diseases, biological threats, and congenital disorders

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Background

The WHO recommended ELISA for quantitation of *Streptococcus pneumoniae* serotype specific IgG has two absorption steps, the CWPS (C-Ps, Teichoic acid) and the 22F pneumococcal capsule[1].

Statens Serum Institut has isolated, characterized and purified the active ingredient (CWPS2) in the 22F *pneumococcal* capsule[2], and can now offer a ready to use preadsorption formulation with CWPS and CWPS2.

Description

CWPS Multi is a 1:1 mixture of two purified pneumococcal cell wall polysaccharide antigens (CWPS and CWPS2) that are common to all pneumococcal serotypes. The product is used for absorbing human serum samples before quantitation of selected pneumococcal capsular polysaccharide antibodies.
CWPS Multi may also be used as a coating agent during performance of an enzyme linked immunosorbent assay (ELISA test).

Available products

Article No. 68866, CWPS Multi, 10 mg, 1 vial

Storage and shelf life

Store at room temperature.
Expiry date is printed on the package.

Information and ordering

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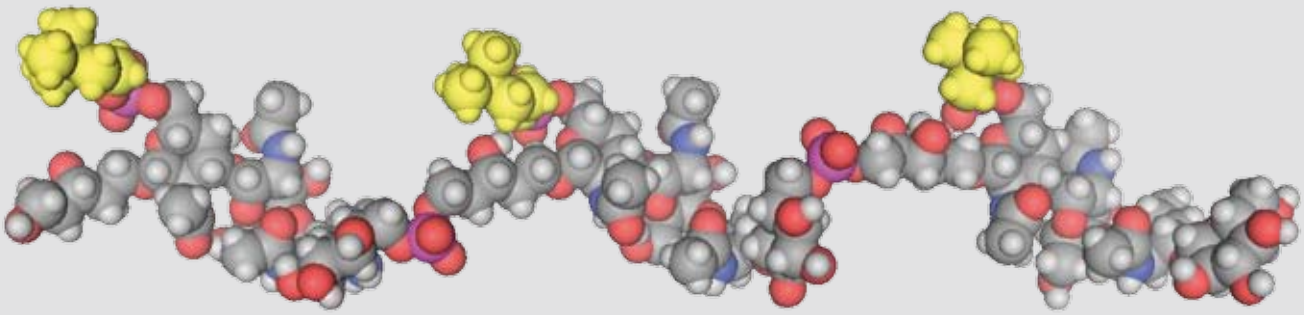
References

1) http://www.vaccine.uab.edu/ELISA Protocol.pdf
2) Skovsted IC, Kerrn MB, Sonne-Hansen J, Sauer LE, Nielsen AK, Konradsen HB, Petersen BO, Nyberg NT, Duus JO. Purification and structure characterization of the active component in the pneumococcal 22F polysaccharide capsule used for adsorption in pneumococcal enzyme-linked immunosorbent assays. Vaccine. 2007 Aug 29;25(35):6490-500.

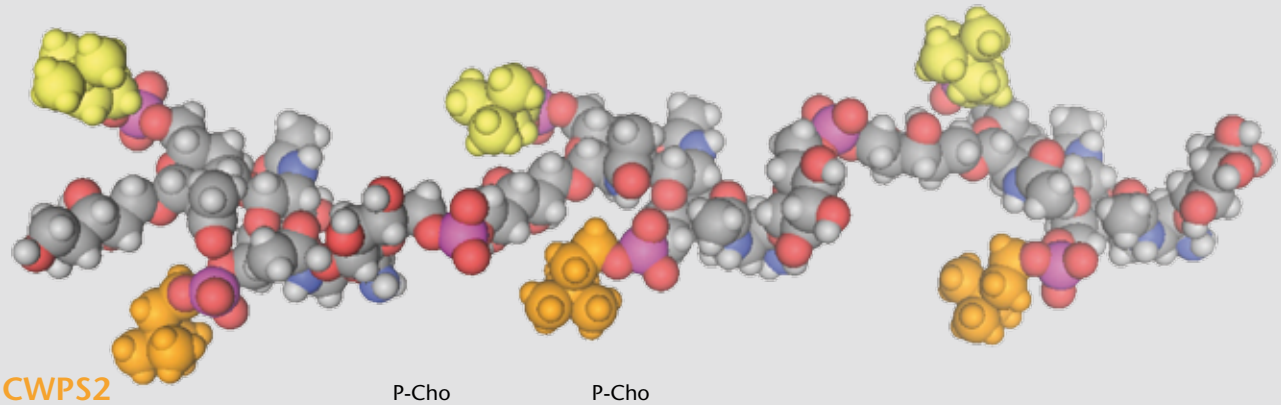
Molecular modeling of CWPS and CWPS2



CWPS

P-Cho

(6-)-ß-D-Gl*cp*-(1→3)-α-ATT*p*-(1→4)-α-D-Gal*p*NAc-(1→3)-ß-D-Gal*p*NAc-(1→1)-D-Ribitol-5-P-(0→)$_3$



CWPS2

P-Cho P-Cho

(6-)-ß-D-Gl*cp*-(1→3)-α-ATT*p*-(1→4)-α-D-Gal*p*NAc-(1→3)-ß-D-Gal*p*NAc-(1→1)-D-Ribitol-5-P-(0→)$_3$

1st Edition, April 2008 . 70670