

Title (en)  
PNEUMOCOCCAL SURFACE PROTEIN C (PspC), EPITOPIC REGIONS AND STRAIN SELECTION THEREOF, AND USES THEREFOR

Title (de)  
PNEUMOKOKKALES OBERFLÄCHENPROTEIN C (PSPC), EPITOPISCHE REGIONEN, SELEKTION VON ENTSPRECHENDEN STÄMMEN UND VERWENDUNGEN

Title (fr)  
PROTEINE DE SURFACE PNEUMOCOCCIQUE C(PSPC), REGIONS EPITOPES ET SELECTION DE SOUCHES D'UNE TELLE PROTEINE, ET UTILISATIONS CORRESPONDANTES

Publication  
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Application  
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Abstract (en)  
[origin: WO9953940A1] Disclosed and claimed are: epitopic regions of Pneumococcal Surface Protein C or "PspC", different clades of PspC, isolated and/or purified nucleic acid molecules such as DNA encoding a fragment or portion of PspC such as an epitopic region of PspC or at least one epitope of PspC, uses for such nucleic acid molecules, e.g., to detect the presence of PspC or of *S. pneumoniae* by detecting a nucleic acid molecule therefor in a sample such as by amplification and/or a polymerase chain reaction, vectors or plasmids which contain and/or express such nucleic acid molecules, e.g., in vitro or in vivo, immunological, immunogenic or vaccine compositions including at least one PspC and/or a portion thereof (such as at least one epitopic region of at least one PspC and/or at least one polypeptide encoding at least one epitope of at least one PspC), either alone or in further combination with at least one second pneumococcal antigen, such as at least one different PspC and/or a fragment thereof and/or at least one PspA and/or at least one epitopic region of at least one PspA and/or at least one polypeptide including at least one epitope of PspA. PspC or a fragment thereof, and thus a composition including PspC or a fragment thereof, can be administered by the same routes, and in approximately the same amounts, as PspA. Thus, the invention further provides methods for administering PspC or a fragment thereof, as well as uses of PspC or a fragment thereof to formulate such compositions.

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IPC 8 full level  
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Citation (search report)  
• [Y] WO 9709994 A1 19970320 - UAB RESEARCH FOUNDATION [US]  
• [Y] EP 0622081 A2 19941102 - UAB RESEARCH FOUNDATION [US]  
• [T] ALEXIS BROOKS-WALTER ET AL: "The pspC gene of *Streptococcus pneumoniae* encodes a polymorphic protein, PspC, which elicits cross-reactive antibodies to PspA and provides immunity to pneumococcal bacteremia", *INFECTION AND IMMUNITY, AMERICAN SOCIETY FOR MICROBIOLOGY*, WASHINGTON, US, vol. 67, no. 12, December 1999 (1999-12-01), pages 6533 - 6542, XP002190970, ISSN: 0019-9567  
• See also references of WO 9953940A1

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