

បរវត្ថានករណ៍

- Alberti S, Rodriguez-Quinones F, Schirmer T, Rummel G, Tomas JM, Rosenbusch JP, Benedi VJ. A porin from *Klebsiella pneumoniae*: sequence homology, three-dimensional model, and complement binding. *Infect Immun.* 1995, 63:903-910.
- Ausubel FM, Brent R, Kingston RE, Moore DD, Smith JA, Struhk K. Short Protocols in Molecular Biology. 4th edition, pp.2-12, 1999, Wiley & Sons, New York
- Bavoil P, Ohlin A, Schachter J. Role of disulfide bonding in outer membrane structure and permeability in *Chlamydia trachomatis*. *Infect Immun.* 1984, 44:479-485.
- Behlau M, Mills DJ, Quader H, Kuhlbrandt W, Vonck J. Projection structure of the monomeric porin OmpG at 6 Å resolution. *J Mol Biol.* 2001, 305:71-77.
- Breden J, Saint N, Mallea MDE, Molle G, Pages JM, Simonet V. Alteration of pore properties of *Escherichia coli* OmpF induced by mutation of key residues in anti-loop 3 region. *Biochem. J.* 2002, 363:521-528.
- Cowan SW, Schirmer T, Rummel G, Steiert M, Ghosh R, Paupit RA, Jansonius JN, Rosenbusch JP. Crystal structures explain functional properties of two *E. coli* porins. *Nature.* 1992, 358:727-733.
- Cowan SW, Garavito RM, Jansonius JN, Jenkins JA, Karlsson R, Konig N, Pai EF, Paupit RA, Rizkallah PJ, Rosenbusch JP, et al. The structure of OmpF porin in a tetragonal crystal form. *Structure.* 1995, 3:1041-1050.
- Darveau RP, MacIntyre S, Buckley JT, Hancock RE. Purification and reconstitution in lipid bilayer membranes of an outer membrane, pore-forming protein of *Aeromonas salmonicida*. *J Bacteriol.* 1983, 156:1006-1011
- Delost , MD (1997). Introduction to diagnostic microbiology: a text and workbook. Walsworth, United State of America.
- Diederichs K, Freigang J, Umhau S, Zeth K, Breed J. Prediction by an neural network of outer membrane beta-strand protein topology. *Protein Sci.* 1998, 7, 2413-2420
- Douglas JT, Lee MD, Nikaido H. Protein I of *Neisseria gonorrhoeae* outer membrane is a porin. *FEMS Microbial Lett.* 1981, 12:305-302.
- Douglas JT, Rosenberg EY, Nikaido H, Verstreate DR, Winter AJ. Porins of *Brucella* species. *Infect Immun.* 1984, 44:16-21.
- Ellis JF, Titball RW. *Burkholderia pseudomallei*: medical, veterinary and environmental aspects. *Infect Dis Rev.* 1999, 1:174-181.
- Eisele JL, Rosenbusch JP. In vitro folding and oligomerization of a membrane protein: transition of bacterial

- porin from random coil to native conformation. *J. Biol. Chem.* 1990, 265, 10217–10220.
- Flammann HT, Weckesser J. Porin isolated from the cell envelope of *Rhodopseudomonas capsulata*. *J Bacteriol.* 1984, 159:410-412.
- Gotoh N, Wakebe H, Yoshihara E, Nakae T, Nishino T. Role of protein F in maintaining structural integrity of the *Pseudomonas aeruginosa* outer membrane. *J Bacteriol.* 1989, 171:983-990.
- Gotoh N, White NJ, Chaowagul W, Woods D. Isolation and characterization of the outer-membrane proteins of *Burkholderia (Pseudomonas) pseudomallei*. *Microbiology* 1994, 140:797-805.
- Hancock RE, Decad GM, Nikaido H. Identification of the protein producing transmembrane diffusion pores in the outer membrane of *Pseudomonas aeruginosa* PA01. *Biochim Biophys Acta.* 1979, 554:323-331.
- Laemmli UK. Cleavage of structural proteins during assembly of head of bacteriophage T4. *Nature* 1970, 227:680–685.
- Nakae T. Identification of the outer membrane protein of *E. coli* that produces transmembrane channels in reconstituted vesicle membranes. *Biochem Biophys Res Commun.* 1976, 71:877-884.
- Nikaido H, Vaara M. Molecular basis of bacterial outer membrane permeability. *Microbiol Rev.* 1985, 49:1-32. Review.
- Nikaido H, 1994 Prevention of drug access to bacterial targets: permeability barriers and active efflux. *Science.* 1994, 264:382-388. Review.
- Pullen JK, Liang SM, Blake MS, Mates S, Tai JY. Production of *Haemophilus influenzae* type-b porin in *Escherichia coli* and its folding into the trimeric form. *Gene* 1995, 152:85-88.
- Rocque WJ, McGroarty EJ. Structure and function of an OmpC deletion mutant porin from *Escherichia coli* K-12. *Biochemistry.* 1990, 29:5344-5351.
- Siripetawee J, Prinz H, Samosornsuk W, Ashley RH, Suginta W. Functional reconstitution, gene isolation and topology modelling of porins from *Burkholderia pseudomallei* and *Burkholderia thailandensis*. *Biochem J.* 2004a, 377:579-587.
- Siripetawee J, Prinz H, Krittanai C, Suginta W. Expression and refolding of Omp38 from *Burkholderia pseudomallei* and *Burkholderia thailandensis*, and its function as a diffusion porin. *Biochem J.* 2004b, 384:609-617.
- Shevchenko A, Wilm M, Vorm O, Mann M. Mass spectrometric sequencing of proteins silver-stained polyacrylamide gels. *Anal. Chem.* 1996, 68:850–858.
- Tsujimoto H, Gotoh N, Yamagishi J, Oyamada Y, Nishino T. Tsujimoto et al. Cloning and expression of the major porin protein gene *opcP* of *Burkholderia* (formerly *Pseudomonas*) *cepacia* in *Escherichia coli*. *Gene.* 1997, 186:113-118.

- Yoshimura F, Zalman LS, Nikaido H. Purification and properties *Pseudomonas aeruginosa* porin. J. Biol. Chem. 1983, 258: 2308–2314.
- Woods DE, DeShazer D, Moore RA, Brett PJ, Burtnick MN, Reckseidler SL, Senkiw MD. Current studies on the pathogenesis of melioidosis. Microbes Infect. 1999, 1:157-162. Review.
- Wyllie S, Longbottom D, Herring AJ, Ashley RH. Single channel analysis of recombinant major outer membrane protein porins from *Chlamydia psittaci* and *Chlamydia pneumoniae*. FEBS Lett. 1999, 445:192-196.
- Zeth K, Diederichs K, Welte W, Engelhardt H. Crystal structure of Omp32, the anion-selective porin from *Comamonas acidovorans*, in complex with a periplasmic peptide at 2.1 Å resolution. Structure 2000, 8: 981-992.