



បរទេសាន្តកម្ម

- [1] Viseshakul, N., Thanawongnuwech, R., Amonsin, A., Suradhat, S., Payungporn, S., Keawchareon, J., et al. (2004). The genome sequence analysis of H5N1 avian influenza A virus isolated from the outbreak among poultry populations in Thailand. *Virology*, 328(2), 169-176.
- [2] Harder, T.C. and Werner, O. (2006). Avian Influenza. In B.S. Kamps, C. Hoffmann and W. Preiser (Eds.), *Influenza Report 2006* (Vol.1, pp.48-86). Paris: Flying Publisher.
- [3] Lee, C.W., Senne, D.A. and Suarez, D.L. (2004). Generation of reassortant influenza vaccines by reverse genetics that allows utilization of a DIVA (Differentiating Infected from Vaccinated Animals) strategy for the control of avian influenza. *Vaccine*, 22(23-24), 3175-81.
- [4] Capua, I. and Marangon, S. (2003). The use of vaccination as an option for the control of avian influenza. *Avian Pathol.*, 32(1), 47-55.
- [5] Suarez, D.L. (2005). Overview of avian influenza DIVA test strategies. *Biologicals Special section : Marker vaccines and differential diagnostic tests in disease control and eradication*, 33(4), 221-226.
- [6] Tumpey, T.M., Alvarez, R., Swayne, D.E. and Suarez, D.I. (2005). Diagnostic approach for differentiating infected from vaccinated poultry on the basis of antibodies to NS1, the nonstructural protein of influenza A virus. *J Clin Microbiol*, 43(2), 676-83.
- [7] Marion, R.M., Aragon, A., Beloso, A., Nieto, A. and Ortín, J. (1997). The N-terminal half of the influenza virus NS1 protein is sufficient for nuclear retention of mRNA and enhancement of viral mRNA translation. *Nucleic Acids Res.*, 25(21), 4271-7.
- [8] Birch-Machin, I., Rowan, A., Pick, J., Mumford, J. and Binns, M. (1997). Expression of the nonstructural protein NS1 of equine influenza A virus: detection of anti-NS1 antibody in post infection equine sera. *J Virol Methods*, 65(2), 255-63.

- [9] Naksupan, N., Sanguansermsri, D., Wongvilairat, R., Niumsup, P.R., Pongcharoen, S., Chamnanpood, P., et al. (2008). Whole genome sequences of H5N1 influenza a virus isolated from a little grebe in Thailand. **Southeast Asian J Trop Med Public Health**, 39(3), 373-82.
- [10] Suwannakhon, N., Pookron, S., Sanguansermsri, D., Chamnanpood, C., Chamnanpood, P., Wongvilairat, R., et al. (2008). Genetic characterization of nonstructural genes of H5N1 avian influenza viruses isolated in Thailand in 2004-2005 Whole genome sequences of H5N1 influenza a virus isolated from a little grebe in Thailand. **Southeast Asian J Trop Med Public Health**, 39(5), 837-47.
- [11] Lamb, R.M. and Krung, R.M. (1996). **Orthomyxoviridae in Fields Virology** (3rd ed.). Philadelphia: Lippincott-Raven.
- [12] Horimoto, T. and Kawaoka, Y. (2001). Pandemic threat posed by avian influenza A viruses. **Clin Microbiol Rev.**, 14(1), 129-49.
- [13] Capua, I., Terregino, C., Cattoli, G., Mutinelli F. and Rodriguez, J.F. (2003). Development of a DIVA (Differentiating Infected from Vaccinated Animals) strategy using a vaccine containing a heterologous neuraminidase for the control of avian influenza. **Avian Pathol.**, 32(1), 47-55.
- [14] Dundon, W.G., Milani, A., Cattoli, G. and Capua, I. (2006). Progressive truncation of the Non-Structural 1 gene of H7N1 avian influenza viruses following extensive circulation in poultry. **Virus Res.**, 119(2), 171-6.
- [15] Webster, R.G., Bean, W.J., Gorman, O.T., Chambers, T.M. and Kawaoka, Y. (1992). Evolution and ecology of influenza A viruses. **Microbiol Rev.**, 56(1), 152-79.
- [16] Boulo, S., Akarsu, R.W., Ruigrok, R.W. and Baudin, F. (2007). Nuclear traffic of influenza virus proteins and ribonucleoprotein complexes. **Virus Res.**, 124(1-2), 12-21.

- [17] Wu, W.W., Sun, Y.H. and Pante, N. (2007). Nuclear import of influenza A viral ribonucleoprotein complexes is mediated by two nuclear localization sequences on viral nucleoprotein. *Virol J.*, 4, 49.
- [18] medicineworld.org. (March 18, 2006). **Mutations In Avian Flu Virus May Cause Human Infection.** Retrieved January 5, 2008, from <http://medicineworld.org/images/blogs/avian-flu-virus-342390.jpg&imgrefurl=http://medicineworld.org/news/news-archives/infectious-disease-news/May-31-2006.html>
- [19] Zhuang Research Lab. (November 26, 2008). **Visualizing individual influenza virus particles in living cells (past achievement).** Retrieved January 5, 2008, from <http://zhuang.harvard.edu/cellentry.html>
- [20] Stevens, J., Blixt, T.M., Tumpey, T.M., Taubenberger, J.K., Paulson, J.C. and Wilson, I.A. (2006). Structure and receptor specificity of the hemagglutinin from an H5N1 influenza virus. *Science*, 312(5772), 404-10.
- [21] Hale, B.G., Randall, R.E., Ortin, J. and Jackson, D. (2008). The multifunctional NS1 protein of influenza A viruses. *J Gen Virol.*, 89(10), 2359-76.
- [22] Proquest. (July, 2007). **Avian influenza (Bird flu).** Retrieved March 16, 2009, from www.csa.com/discoveryguides/avian/review3.php
- [23] Chemistry and Society. (January 26, 2008). **Genetic changes in the virus.** Retrieved March 16, 2009, from <http://employecs.csbsju.edu/hjakubowski/classes/Chem>
- [24] Young, J.F., Desselberger, U., Palese, P., Ferguson, B., Shatzman, A.R. and Rosenberg, M. (1983). Efficient expression of influenza virus NS1 nonstructural proteins in *Escherichia coli*. *Proc Natl Acad Sci U S A.*, 80(19), 6105-9.
- [25] Krug, R.M., Yuan, W., Noah, D.L. and Latham, A.G. (2003). Intracellular warfare between human influenza viruses and human cells: the roles of the viral NS1 protein. *Virology*, 309(2), 181-189.
- [26] Chien, C.Y., Xu, Y., Xiao, R., Aramini, J.M., Sahasrabudhe, P.V., Krug, R.M., et al. (2004). Biophysical characterization of the complex between double-stranded RNA and the N-terminal domain of the NS1 protein from influenza A virus: evidence for a novel RNA-binding mode. *Biochemistry*, 43(7), 1950-62.

- [27] Ozaki, H., Sugiura, T., Suguta, S., Imagawa, H. and Kida, H. (2001). Detection of antibodies to the nonstructural protein (NS1) of influenza A virus allows distinction between vaccinated and infected horses. *Veterinary Microbiology*, 82(2), 111-119.
- [28] Webster, R.G., Peiris, M., Chen, H. and Guan, Y. (2006). H5N1 outbreaks and enzootic influenza. *Emerg Infect Dis.*, 12(1), 3-8.
- [29] World Health Organization. (February 27, 2009). Cumulative Number of Confirmed Human Cases of Avian Influenza A/H5N1. Retrieved March 16, 2009, from http://www.who.int/csr/disease/avian_influenza/country/cases_table_2009_02_27/en/index.html
- [30] ทวีศักดิ์ ส่งเสริม. (2547). ไข้หวัดสัตว์ปีก (Avian influenza) : พยาธิวิทยาและการวินิจฉัยโรค. *สัตวแพทยศาสตร*, 55(1), 1-8.
- [31] Office International des Epizooties. (September 24, 2008). Avian Influenza: Prevention & Control. Retrieved September 26, 2008, from http://www.oie.int/eng/info_ev/en_AI_response.htm
- [32] กรมปศุสัตว์. (2549). การควบคุมโรคไข้หวัดนกในประเทศไทย. กรุงเทพฯ: ชุมนุมสหกรณ์การเกษตรแห่งประเทศไทย.
- [33] กรมปศุสัตว์. (2549). คู่มือการปฏิบัติงานควบคุมโรคไข้หวัดนก. กรุงเทพฯ: ชุมนุมสหกรณ์การเกษตรแห่งประเทศไทย.
- [34] Capua, I. and Marangon, S. (2004). Vaccination for avian influenza in Asia. *Vaccine*, 22, 4137-4138.
- [35] Swayne, D.E. and Halvorson, D.A. (2003). *Influenza : Diseasea of Poultry* (11th ed.). U.S.A.: Saif, Y.M.Blackwell Publishing Company.
- [36] Capua, I., Marangon, S., Dalla Pozza, M. and Santucci, U. (2000). Vaccination for avian influenza in Italy. *Vet Rec.*, 147(26), 751.
- [37] Villarreal-Chavez, C. and Rivera-Cruz, E. (2003). An update on avian influenza in Mexico. *Avian Dis.*, 47(3), 1002-5.

- [38] Office International des Epizooties. (2008). Chapter 2.3.4 Avian Influenza. Retrieved March 26, 2009, from http://www.oie.int/eng/normes/mmanual/_2008/pdf/2.03.04_AI.pdf
- [39] EU-SCAHAW. (2003). Diagnostic Techniques and Vaccines for Foot-and-Mouth Disease, Classical Swine Fever, Avian Influenza and some other important OIE List A Diseases.In Report of the Scientific Committee on Animal Health and Animal Welfare. Retrieved March 1, 2004, from http://europa.eu.int/comm/food/fs/sc/scah/out_93_en.pdf
- [40] Lau, L.T., Banks, J., Aherne, R., Brown, I.H., Dillon, N., Collins, R.A., et al. (2004). Nucleic acid sequence-based amplification methods to detect avian influenza virus. *Biochem Biophys Res Commun.*, 313(2), 336-42.
- [41] Office International des Epizooties. (July 8, 2005). Chapter 2.1.14 : Manual of Diagnostic Tests and Vaccines for Terrestrial Animals 2004. Retrieved March 10,2006. from http://www.oie.int/eng/normes/mmanual/A_00037.htm
- [42] Suarez, D.L. and Schultz-Cherry, S. (2000). Immunology of avian influenza virus: a review. *Developmental & Comparative Immunology*, 24(2-3), 269-283.
- [43] ภาตีรี วงศ์วัชร์ด้ำง. (2533). *ปฏิบัติการไวรัสทางสัตวแพทย์*. กรุงเทพฯ: สำนักพิมพ์แห่งจุฬาลงกรณ์มหาวิทยาลัย.
- [44] ไฟศาล ลิทธิกรกุล. (2548). *วิทยาภูมิคุ้มกัน สำหรับการเรียนการสอนและการวิจัย*. กรุงเทพฯ: ศูนย์สื่อสารมวลชนกรุงเทพ.
- [45] Invitrogen. (January 28, 2004). Champion pET Directional TOPO Expression Kit. Invitrogen Retrieved January 8, 2005, from <https://products.invitrogen.com>
- [46] Obenauer, J.C., Denson, J., Mehta, P.K., Su, X., Mukatira, S., Finkelstein, D.B., et al. (2006). Large-scale sequence analysis of avian influenza isolates. *Science*, 311(5767), 1576-80.
- [47] Baneyx, F. (1999). Recombinant protein expression in *Escherichia coli*. *Current Opinion in Biotechnology*, 10(5), 411-421.
- [48] Lilie, H., Schwarz, E. and Rudolph, R. (1998). Advances in refolding of proteins produced in *E. coli*. *Current Opinion in Biotechnology*, 9(5), 497-501.

- [49] วีระศักดิ์ สนชัยเสรี. (2544). โปรดตินเทคโนโลยี. เรียงใหม่: โครงการตำราและเอกสาร
ประกอบการเรียนเคมี มหาวิทยาลัยเชียงใหม่.
- [50] ไสภา กลินจันทร์. (2548). กระบวนการแยกสำหรับเทคโนโลยีชีวภาพ 1. กรุงเทพฯ: ศูนย์
ผลิตตำราเรียน สถาบันเทคโนโลยีพระจอมเกล้าพระนครเหนือ.

