

Scientific references and links relevant to AI preventive vaccination -

Scientific factual evidence (Halvorson, Avian Pathology (2002) 31, 5-12) confirms that inactivated avian influenza vaccines have:

- * reduced flock susceptibility to AI infection
- * reduced the quantity of virus shed post challenge
- * reduced transmission
- * markedly reduced disease losses

Field challenge studies

T. Ellis, C. Leung, M. Chow, L. Bissett, W. Wong, Yi Guan & J. S. Malik Peiris.
Vaccination of chickens against H5N1 avian influenza in the face of an outbreak interrupts virus transmission. Avian Pathology, 33(4), August 2004, pp 405-412]

Transmission experiments

L.A.van der Groot et al.: **Quantification of the effect of vaccination on transmission of avian influenza (H7N7) in chickens.** PNAS; December 13,2005;Vol 102; no 50,18141-18146

Ducks: A similar transmission study at Lelystadt demonstrated that vaccination of ducks with Intervet's H7N1 vaccine completely blocked the challenge virus (H7N7) virus transmission from infected vaccinated ducks to contact vaccinated ducks.

Laboratory challenge studies

Swayne DE et al. **Inactivated North American and European H5N2 avian influenza virus vaccines protect chickens from Asian H5N1 high pathogenicity avian influenza virus.** Avian Pathology 2006;35:141-146

Efficacy of vaccines in chickens against highly pathogenic Hong Kong H5N1 Avian Influenza. David Swayne, J. Beck, M. Perdue & C. Beard. Avian Disease, 45 (2), April 2001, pp 355-365].

Bi-valent (dual) vaccines

Proceedings of the National Academy of Sciences May 23, 2006 vol. 103 no. 21
Newcastle disease virus expressing H5 hemagglutinin gene protects chickens against Newcastle disease and avian influenza Jutta Veits*, Dorothee Wiesner*, Walter Fuchs*, Bernd Hoffmann, Harald Granzow, Elke Starick, Egbert Mundt*, Horst Schirrmeyer, Teshome Mebatsion, Thomas C. Mettenleiter*, and Angela Römer-Oberdörfer*
[Institutes of *Molecular Biology, Diagnostic Virology, and Infectology, Friedrich-Loeffler-Institut, Federal Research Institute for Animal Health, Boddenblick 5a, D-17493 Greifswald-Insel Riems, Germany; and Intervet, Inc., 29160 Intervet Lane, Millsboro, DE 19966

Engineered viral vaccine constructs with dual specificity: Avian influenza and Newcastle disease [PNAS May 23, 2006 vol. 103 no. 21 **Man-Seong Park***, **John Steel***, **Adolfo Garcí'a-Sastre***, **David Swayne†**, and **Peter Palese**] [Department of Microbiology, Mount Sinai School of Medicine, New York, NY 10029; and †Southeast Poultry Research Laboratory, Agricultural

* Testimony from Holland -

New vaccination round for Dutch outdoor poultry in August 2006

Vaccination against bird flu will be possible again in August for hobby birds. One month later all the non-vaccinated birds and poultry have to be kept inside again due to autumn migration, as **Martijn Weijtens**, Deputy Chief Veterinary Officer of the Ministry of Agriculture, announced at the international Conference about bird flu and about the future of hobby holding in Europe.

Read the presentation of [martijn weijtens](http://hobbydierhouder.nl/content/blogcategory/23/54/) on <http://hobbydierhouder.nl/content/blogcategory/23/54/>