



PORTUGAL

**REPORT ON THE PREVENTIVE VACCINATION PLAN
FOR AVIAN INFLUENZA IN A GAME BIRD HOLDING
OF BREEDING DUCKS (*Anas Platyrhynchus*)**

Commission Decision 2008/838/EC



DGV
Direcção Geral
de Veterinária
Ministério da Agricultura, do Desenvolvimento Rural e
das Pescas

SCoFCAH

Brussels, 11 & 12 November 2008

DSSPA/ Direcção Geral de Veterinária

Vaccination Procedures

- Flock 1 – 16 month old breeders (1246 females+333 males), previously vaccinated in February (Decision 2008/285/EC)
- Sentinels 1 – 50 non-vaccinated ducks from Flock 1
- Flock 2 – 6 month old breeders (1855 females + 632 males)
- Sentinels 2 – 50 non-vaccinated ducks from Flock 2
- Bivalent vaccine (H5N6/H7N7)
- Subcutaneous administration (0,5ml – 1ml)
- Individual identification of vaccinated ducks (wing tags)
- Vaccination started on 17.09.2008

Vaccination Procedures (cont.)

	Flock 1	Flock 2
V1 (17.09.2008)	revaccination+ serological monitoring+ virological surveillance (sentinels 1)	1st application+ virological surveillance (sentinels 2)
V2 (30.09.2008)		2nd application+ serological monitoring
V2+28d (29.10.2008)	serological monitoring + virological surveillance (sentinels 2)	



After the negative results from the sentinels (1 and 2), the 2 flocks were grouped and only sentinels 2 were kept

Clinical Surveillance

- Behavioural and clinical surveillance of vaccinated birds is being carried out
- Monthly reports are given by the veterinary assistant to the Official Services – No abnormal situations declared

Clinical Surveillance (cont.)

Reports

Nº	Month	Alert signs				
		Mortality	Food Intake	Water Intake	Growth	Others
1	February 2008	Normal (< 0,5%)	Normal	Normal	Normal	Irrelevant
2	March 2008	Normal (< 0,5%)	Normal	Normal	Normal	Irrelevant
3	April 2008	Normal (< 0,5%)	Normal	Normal	Normal	Irrelevant
4	May 2008	Normal (< 0,5%)	Normal	Normal	Normal	Irrelevant
5	June 2008	Normal (< 1%)	Normal	Normal	Normal	Irrelevant
6	July 2008	Normal (< 1%)	Normal	Normal	Normal	Irrelevant
7	August 2008	Normal (0%)	Normal	Normal	Normal	Irrelevant
8	September 2008 (V1)	Normal (0%)	Normal	Normal	Normal	Irrelevant
9	September 2008 (V2)	Normal (0%)	Normal	Normal	Normal	Irrelevant
10	October 2008	Normal (< 0,5%)	Normal	Normal	Normal	Irrelevant

Virological Surveillance

- Dead ducks – 26 tissue samples sent to laboratory – no positive results
- Sentinels – no positive results

Sampling	Month	Material	Results
0	March 2008	Cloacal & oropharyngeal swabs	Negative
1	April 2008	Not performed	n.d
2	May 2008	Cloacal & oropharyngeal swabs	Negative
3	June 2008	Cloacal & oropharyngeal swabs	Negative
4	July 2008	Cloacal & oropharyngeal swabs	Negative
5	August 2008	Cloacal & oropharyngeal swabs	Negative
6	September 2008	Cloacal & oropharyngeal swabs	Negative
7	October 2008	Cloacal & oropharyngeal swabs	Negative

Efficacy monitoring of vaccination

➤ Flock 1 – antibody titration 6 months after the previous vaccination

	H5	H7
Max.	1:128	1:32
Min.	Neg.	Neg.
Mode	1:16	Neg.
Median	1:32	1:16
% Positivity*	95%	45%

* Titre \geq 1:16

Efficacy monitoring of vaccination (cont.)

- Flock 2 – antibody titration 13 days after the first application

	H5	H7
Max.	1:2048	1:16
Min.	1:16	Neg.
Mode	1:1024	Neg.
Median	1:512	Neg.
% Positivity*	100%	5%

* Titre \geq 1:16

- Not enough data to evaluate the response to vaccination

A large flock of ducks is gathered in a pond. In the foreground, several ducks are standing on a sandy or gravelly shore. In the middle ground, many ducks are swimming in the water, with one duck in the center appearing to be in motion, possibly taking off or landing. In the background, a dense group of ducks is gathered on a grassy bank. The text "THANK YOU FOR YOUR ATTENTION" is overlaid in the center of the image.

THANK YOU FOR YOUR ATTENTION