



EUROPEAN COMMISSION
HEALTH AND CONSUMERS DIRECTORATE-GENERAL

Director General

SANCO/10260/2013

*Programmes for the eradication, control and monitoring of certain
animal diseases and zoonoses*

Survey programme for Avian Influenza

Austria

Approved* for 2013 by Commission Decision 2012/761/EU

* in accordance with Council Decision 2009/470/EC

Standard requirements for the submission of surveillance programmes for avian influenza

version : 2.2

1. Identification of the programme

Member state : OSTERREICH

Disease : avian influenza in poultry and wild birds

Request of Community co-financing from beginning of:

2013

to end of

2013

1.1 Contact

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2. Description and implementation of the surveillance programme in poultry

2.1.1 Designation of the central authority in charge of supervising and coordinating the departments responsible for implementing the programme

(max. 32000 chars) :

Announcement according to § 3 of the Avian Influenza Regulation BGBl.II/Nr.309/2007: under the supervision of the Federal Ministry of Health, the NRL is responsible on investigation, notification and reporting.

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2.1.2 System in place for the registration of holdings

(max. 32000 chars) :

According to the Avian Influenza Regulation BGBL. II/Nr.309/2007, each holding has to be registered at the first administrative level (district). Holdings upon 350 chicken/turkeys are also registered within the Poultry Health Data (PHD), a database provided by the QGV (Quality Poultry Association)

2.1.3 Design (risk based or surveillance based on representative sampling)

(max. 32000 chars) :

Das Programm wurde unter Berücksichtigung der nationalen Gegebenheiten nach den Vorgaben der BdK 2010/367/EU vom 25. Juni 2010 über die Durchführung der Programme zur Überwachung von Geflügel und Wildvögeln auf Aviäre Influenza durch die Mitgliedstaaten erstellt. In Österreich wird eine Überwachung auf der Basis repräsentativer Probenahmen durchgeführt.

Unter Berücksichtigung der epidemiologischen Gegebenheiten wird nach § 3 der Geflügelpestverordnung 2007, BGBl. II Nr. 309/2007, vom Bundesminister für Gesundheit ein Stichprobenplan für alle Bundesländer erstellt und in den „Amtlichen Veterinärnachrichten“ kundgemacht. Bei der Erstellung des Überwachungsprogrammes ist die Risikobewertung der AGES, die laufend aktualisiert wird, zu berücksichtigen. Die Koordination der Probenahmen und die Wahl der Untersuchungsmethode haben durch das nationale Referenzlabor zu erfolgen. Die Maßnahmen gemäß dem Stichprobenplan obliegen dem Landeshauptmann. Die Probenahmen sind von den amtlichen Tierärzten durchzuführen und alle Proben sind ausschließlich im nationalen Referenzlabor zu untersuchen. Dieses hält Kontakt mit dem Gemeinschaftlichen Referenzlabor (GRL) in Weybridge und ist verpflichtet, eventuelle positive H5 und H7 AI-Virusisolate an das GRL zu übermitteln.

Die Koordination und die Durchführung dieses Programms wird vom österreichischen nationalen Referenzlabor für AI, zugehörig zur Österreichischen Agentur für Gesundheit und Ernährungssicherheit (AGES), Institut für veterinärmedizinische Untersuchungen Mödling, wahrgenommen.

Die Untersuchung und Einsendung der Proben erfolgt nach den Vorgaben des Diagnosehandbuchs für AI, das in den Amtlichen Veterinärnachrichten AVN - Nr. 5/2007 vom 18. Juni 2007 veröffentlicht worden ist.

2.1.3.1 Short description of predominant poultry population and types of poultry production

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(max. 32000 chars) :

In the year 2011 the number of laying flocks with more than 350 animals were 2843, with 8.534.756 animals. The number of Broiler flocks was 3500 with 57.675.723 animals and there were 340 fattening turkey flocks with 2.301.953 animals altogether. There are more and more goose-holdings but most of them are backyard flocks.

2.1.3.2 Criteria and risk factors for risk based surveillance(1)

(max. 32000 chars) :

There is no special risk based surveillance programm in Austria at the moment

- (1) Including maps showing target sampling sites identified as being particularly at risk for the introduction of avian influenza virus, taking into account criteria set out in point 4 of Annex I to Commission Decision 2010/367/EC.

2.2 Target populations (2)

(max. 32000 chars) :

As said in Commission Decision 2010/367/EU: Poultry: layers, free range layers, chicken breeders, fattening turkeys, fattening ducks, fattening geese, ratites
Chicken Breeders: because of a small population in Austria with different production - cycles, every flock available gets sampled. As breeding flocks are kept inside in Austria they are also not considered to be a population of birds with a high risk to get infected with AI.
Wild birds: also according to § 4 of the avian influenza regulation BGBL. II/Nr.309/2007 every dead found waterbird or raptor must be sent to the NRL for AI

- (2) including MS specific exceptional circumstances as described in Annex I point 3 of Commission Decision 2010/367/EU)

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2.2.1 POULTRY HOLDINGS (a) (except ducks, geese and farmed game birds (waterfowl e.g. mallards) to be sampled

Serological investigation according to Annex I to Commission Decision 2010/367/EU

Category : laying hens

delete this category

NUITS (2) (b)	Total number of holdings(c)	Total number of holdings to be sampled	Number of samples per holding	Total number of tests	Method of laboratory analysis	
11	16	2	10	20	ELISA test	X
12	133	22	10	220	ELISA test	X
21	38	3	10	30	ELISA test	X
22	149	16	10	160	ELISA test	X
31	93	13	10	130	ELISA test	X
32	15	3	10	30	ELISA test	X
33	16	1	10	10	ELISA test	X

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Total	460	60	70	600
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Add a new row

(a) Holdings or herds or flocks or establishments as appropriate.

(b) Refers to the location of the holding of origin. In case NUTS (Nomenclature of Territorial Units for Statistics) can not be used, region as defined in the programme by the Member States is requested

(c) Total number of holdings of one category of poultry in concerned NUTS 2 region.

Category : free range laying hens

delete this category

	Total number of holdings(c)	Total number of holdings to be sampled	Number of samples per holding	Total number of tests	Method of laboratory analysis
11	17	4	10	40	ELISA test
12	75	10	10	100	ELISA test
21	59	5	10	50	ELISA test
22	362	27	10	270	ELISA test
31	109	12	10	120	ELISA test
32	13	1	10	10	ELISA test
33	20	1	10	10	ELISA test

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Total	655	60	70	600
Add a new row				

(a) Holdings or herds or flocks or establishments as appropriate.

(b) Refers to the location of the holding of origin. In case NUTS (Nomenclature of Territorial Units for Statistics) can not be used, region as defined in the programme by the Member States is requested

(c) Total number of holdings of one category of poultry in concerned NUTS 2 region.

Category : chicken breeders

delete this category

NUTS (2) (b)	Total number of holdings(c)	Total number of holdings to be sampled	Number of samples per holding	Total number of tests	Method of laboratory analysis
11	1	1	10	10	ELISA test
12	15	8	10	80	ELISA test
21	12	6	10	60	ELISA test
22	42	22	10	220	ELISA test
31	10	5	10	50	ELISA test
Total	80	42	50	420	
Add a new row					

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(a) Holdings or herds or flocks or establishments as appropriate.

(b) Refers to the location of the holding of origin. In case NUTS (Nomenclature of Territorial Units for Statistics) can not be used, region as defined in the programme by the Member States is requested

(c) Total number of holdings of one category of poultry in concerned NUTS 2 region.

Category : fattening turkeys

delete this category

NUTS (2) (b)	Total number of holdings(c)	Total number of holdings to be sampled	Number of samples per holding	Total number of tests	Method of laboratory analysis	
11	24	8	10	80	ELISA test	X
12	46	24	10	240	ELISA test	X
21	21	8	10	80	ELISA test	X
22	23	4	10	40	ELISA test	X
31	25	9	10	90	ELISA test	X
Total	139	53	50	530		

Add a new row

(a) Holdings or herds or flocks or establishments as appropriate.

(b) Refers to the location of the holding of origin. In case NUTS (Nomenclature of Territorial Units for Statistics) can not be used, region as defined in the programme by the Member States is requested

(c) Total number of holdings of one category of poultry in concerned NUTS 2 region.

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Category : ratites

delete this category

NUITS (2) (b)	Total number of holdings(c)	Total number of holdings to be sampled	Number of samples per holding	Total number of tests	Method of laboratory analysis
12	2	2	10	20	ELISA test
22	1	1	10	10	ELISA test
31	2	2	10	20	ELISA test
Total	5	5	30	50	

Add a new row

(a) Holdings or herds or flocks or establishments as appropriate.

(b) Refers to the location of the holding of origin. In case NUTS (Nomenclature of Territorial Units for Statistics) can not be used, region as defined in the programme by the Member States is requested

(c) Total number of holdings of one category of poultry in concerned NUTS 2 region.

Add a category

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Total Poultry	1 339	220	270	2 200					

2.2.2 DUCKS, GEESE AND FARMED GAME BIRDS (WATERFOWL e.g. MALLARD) HOLDINGS (a) to be sampled.

Serological investigation according to Annex I to Commission Decision 2010/367/EU

Category : fattening ducks

delete this category

	NUJTS (2) (b)	Total number of duck and geese holdings	Total number of duck and geese holdings to be sampled	Number of samples per holding	Total number of tests	Method of laboratory analysis
11		7	7	20	140	ELISA test
12		1	1	20	20	ELISA test

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22	1	1	20	20	ELISA test	X
Total	9	9	60	180		
Add a new row						

(a) Holdings or herds or flocks or establishments as appropriate.

(b) Refers to the location of the holding of origin. In case NUTS (2) code can not be used, region as defined in the programme by the Member State is requested

Category : fattening geese

delete this category

NUTS (2) (b)	Total number of duck and geese holdings	Total number of duck and geese holdings to be sampled	Number of samples per holding	Total number of tests	Method of laboratory analysis	
11	27	22	20	440	ELISA test	
12	19	15	20	300	ELISA test	
21	2	2	20	40	ELISA test	
22	16	14	20	280	ELISA test	
31	7	6	20	120	ELISA test	
Total	71	59	100	1 180		
Add a new row						

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(a) Holdings or herds or flocks or establishments as appropriate.

(b) Refers to the location of the holding of origin. In case NUTS (2) code can not be used, region as defined in the programme by the Member State is requested

Add a category

Total Ducks and geese	80	68	160	1 360				

Grand Total Poultry + Ducks/Geese	1 419	288	430	3 560				

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2.3 Sampling procedures, sampling periods and frequency of testing

(max. 32000 chars) :

Birds are usually sampled at the abbatoire. Breeders, layers, turkeys and rataties are sampled during the whole year. Geese and ducks are sampled in autumn, at the end of the production period.

2.4. Laboratory testing : description of the laboratory tests used and follow up investigations

Description of the used serological tests : (max 32000 chars)

Avian Influenza Antibody Test Kit IDEXX
Avian Influenza Multi-spezies IDEXX

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3. Description and implementation of the surveillance programme in wild birds

3.1.1 *Designation of the central authority in charge of supervising and coordinating the departments responsible for implementing the programme and relevant collaborating partners (e.g. epidemiologists, ornithologists, nature bird observation and hunter organisations).*

(max. 32000 chars) :

Under the supervision of the Federal Ministry of Health, the NRL is responsible on investigation, notification and reporting. In case of suspicion of Avian Influenza in wild birds, all relevant collaborating partners are involved to contribute in the development of necessary measures.

3.1.2 *Description and delimitation of the geographical and administrative areas in which the programme is to be applied*

max. 32000 chars) :

The programme covers the whole Austrian territory. Austria is situated in the centre of the flight track for migratory birds from the south to the north and from the east to the north-west. This situation gives a good overview on the infection status of wild birds with avian influenza.

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3.1.3 Estimation of the local and/or migratory wildlife population

(max. 32000 chars) :

Due to the fact that Austria is situated in the centre of the flight track for migratory birds from the south to the north and from the east to the north-west, a serious estimation is not possible.

3.2 Design, criteria, risk factors and target population(3)

(max. 32000 chars) :

All waterbirds and raptors found dead have to be sent to the NRL for laboratory investigation.

Furthermore, as in Austria are two big lakes which are resting places and destinations for a lot of migratory birds and breeding area for waterfowls (Lake Constance in the west and Neusiedler lake in the east of Austria), the local governments are well aware of the higher risk due to the geographical situation.

There is still a cross-border active surveillance project on Lake Constance, financed by the involved countries (Austria, Germany, Switzerland) themselves. The laboratory tests are performed by the Austrian NRL for AI.

(3) **Areas at risk (wetlands in particular where links with high density poultry populations), previous positive findings as referred to in point 2 of Part 1 of Annex II to Commission Decision 2010/367/EC should be taken into account and if possible complemented by a map.**

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3.2.1 WILD BIRDS focussed on target species

Investigations according to the surveillance programme set out in Part 2 of Annex II to Decision 2010/367/EC

NUTS (2) code/region (a)	Wild birds to be sampled (b)	Total number of birds to be sampled	Estimated total number of samples to be taken for active surveillance (c)	Estimated total number of samples to be taken for passive surveillance	
11	400	400	0	400	X
34	400	400	350	50	X
12, 21, 22, 23, 31, 32, 33	200	200	0	200	X
Total	1 000	1 000	350	650	
Add a new row					

(a) Refers to the place of collection of birds/samples. In case NUTS 2 (Nomenclature of Territorial Units for Statistics) can not be used, region as defined in the programme by the Member State is requested. Please fill-in these values directly in the field.

(b) General description of the wild birds are intended to be sampled in the framework of the active and passive surveillance.

(c) Voluntary, to be included for information purposes, not eligible for cofinancing.

3.3 Sampling procedures and sampling periods

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max 32000 chars :

The dead birds are sent to the NRL institute and organ samples as trachea, lung, brain, liver, intestine, kidney and pancreas are pooled and analysed for Avian Influenza Viruses. When several dead birds are sent simultaneously, pre-screening of cloacal/tracheal swabs will proceed, then positive and suspicious samples will be analysed in the organs to improve sensitivity. The sampling period is all over the year with focus in spring and autumn.

3.4 Laboratory testing : description of the laboratory tests used

max 32000 chars :

RNA Extraction of swabs with either QIAmp Viral RNA Mini Kit (Qiagen) or Nucleospin Viral Kit (Macherey &Nagel); RNA Extraction of organ samples with RNeasy Kit (Qiagen) or Nucleospin RNA Tissue Kit (Macherey &Nagel); Prescreening of samples using real-time RT-PCR for the Matrix Protein of Influenza A Virus. Confirmation of positive samples using H5 and H7, N1 real-time RT-PCR (all are protocols recommended by the CRL in Weybridge, Diagnostic manual). H5 or H7 positive samples are pathotyped by classical RT-PCR and sequencing of the HA protein at the cleavage site.

4. Description of the epidemiological situation of the disease in poultry during the last five years

max 32000 chars :

Austria has been free of Avian Influenza in poultry during the last 5 years.

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5. Description of the epidemiological situation of the disease in wild birds during the last five years

(max. 32000 chars):

Austria has been free of Avian Influenza in wild birds during the last 5 years.

6. Measures in place as regards the notification of the disease

(max. 32000 chars):

Avian Influenza Regulation BGBl. II/Nr.309/2007
HPAI-Wild Bird-Avian Influenza Regulation BGBl. II Nr. 404/2006
Emergency plan for the eradication of Avian Influenza in Austria, GZ 74700/0020-II/B/6/2008, version 2008.

7. Costs

7.1 Detailed analysis of the costs

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7.1.1 Poultry

(max. 32000 chars) :

see 7.2.1

7.1.2 Wild birds

(max. 32000 chars) :

see 7.2.2

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7.2 Summary of the costs

7.2.1 Poultry surveillance

Detailed analysis of the cost of the programme - poultry

Laboratory testing	Number of tests	Unitary test cost (per method) in €	Total cost (€)
Methods of laboratory analysis			
ELISA test	3 560	6	21360
agar gel immune diffusion test	0	0	0
Haemagglutination-inhibition-test (HI) for H5 (specify number of tests for H5)	0	0	0
Haemagglutination-inhibition-test (HI) for H7 (specify number of tests for H7)	0	0	0
Virus isolation test	0	0	0
PCR test	0	0	0
Other please specify here	0	0	0
Add a new row			

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7.2.2 Wild bird surveillance

Detail analysis of the cost of the programme - wild birds

Laboratory testing				
Methods of laboratory analysis	Number of tests	Unitary test cost (per method) in €	Total cost (€)	
Virus isolation test	20	45	900	
PCR test	1 000	40	40000	
Other please specify here	0	0	0	
				Add a new row
Sampling				
Samples	Number of samples	Unitary cost in €	Total cost (€)	
	1 000	5	5000	
Other measures				

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Other please specify here	Number	Unitary cost in €	Total cost (€)
	0	0	0
			Add a new row
Total wild birds Testing + Sampling + Other measures	2020		45 900,00 €
Grand Total Poultry + Wild birds	9140		69 040,00 €

Attachments

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- 1) The more files you attach, the longer it takes to upload them .
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