



EUROPEAN COMMISSION
HEALTH AND CONSUMERS DIRECTORATE-GENERAL

Director General

SANCO/10247/2013

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

Survey programme for Avian Influenza

Slovenia

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 : SLOVENIJA

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) :

Veterinary Administration of the Republic of Slovenia (VARs) is a body within the Ministry of Agriculture and of the Environment (MAE) and is the Competent Authority in charge of supervising and coordinating the departments responsible for implementing the programme. VARs is among other things competent for:

- preparation of national control programmes;
- implementation of official controls;
- collection of data for the valuation of results, and for the annual submission of data to the European Commission.

VARs includes: VARs Main Office, Office for Internal Official Control (including 10 VARs Regional Offices),

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and Office for Border Official Control (including 6 Border Inspection Posts). VARS Regional Offices (10) are responsible for the implementation of checks , for the control of implementation of the national control programmes, for the implementation of official sampling, and for the implementation of measures in case of disease outbreaks.

On the basis of annual Decree on carrying out of systematic surveillance of animal diseases and vaccination of animals, monitoring and survey programmes for each year are laid down. Samples for serological examination shall be taken by private practitioners with concession. Samples collected for other purposes shall be used, whenever possible. Testing of samples shall be carried out at the NVI, Laboratory for contagious poultry diseases, functioning as the National reference laboratory for avian influenza (NRL for AI) of the Republic of Slovenia.

2.1.2 System in place for the registration of holdings

(max. 32000 chars) :

The Veterinary compliance criteria act (UL RS No 93/05) is laying down in Articles 7 and 11 that holdings under veterinary control must be registered or reported at VARS. Legal and natural persons involved in rearing activity must report any changes regarding animals, facilities or other changes to the nearest veterinary organisation, which is keeping the register of holdings and animals and notify thereof the VARS.

The Rules on veterinary conditions for the trade in poultry, day-old chicks and hatching eggs in the territory of EU and on import from third countries (UL RS No 5/2004 as amended) which transpose Council Directive 90/539/EEC, lays down the conditions for approval of pedigree breeding, breeding and rearing establishments, and hatcheries.

The Rules on the protection of farm animals (UL RS No 51/10 and 70/10), which transpose Council Directive 2002/4/EC, lays down the conditions for registration of laying hens.

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

(max. 32000 chars) :

Surveillance is based on a representative sampling scheme. The number of poultry holdings to be sampled shall at least correspond to those in Tables 1 and 2 of Annex I of Commission Decision 2010/367/EU, depending on the poultry species.

Sampling for serological testing for avian influenza shall be stratified throughout the whole territory of the Republic of Slovenia, so that samples can be considered as representative for the whole country. Density of poultry holdings shall also be taken into consideration.

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

(max. 32000 chars) :

There are approximately 33.500 poultry holdings in Slovenia. Majority of them are backyard flocks, many of them with more than one species of poultry. Regarding commercial poultry holdings the main part represent the broiler holdings. There are also chicken breeders, but there are no grandparent flocks in Slovenia. Smaller part of commercial poultry holdings represent fattening turkeys and laying hens.

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

(max. 32000 chars) :

/

(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) :

The target populations comprise the following categories and species of poultry: fattening turkeys, chicken breeding flocks, laying hens, ratites and game poultry (pheasants, partridges). Because there are no commercial duck holdings in Slovenia, duck backyard holdings shall be included in the programme.

1. Fattening turkeys: ten (10) samples per holding shall be taken. In the case of several sheds on a holding 5 samples shall be taken from each shed.

2. Chicken breeding flocks: all 9 chicken breeding flocks are included in the survey programme. The number of sheds varies from 2 to 36 sheds per holding. Most holdings have 1 to 8 sheds, with the exception of two bigger holdings: one with 36 sheds and the other with 18 sheds. Five (5) samples per shed shall be taken.

3. Laying hens: there are 77 registered or evidenced holdings with laying hens in Slovenia. Most holdings

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include 1 to 2 sheds, but few of them include more than 2 sheds. Ten (10) samples per holding shall be taken. In the case of several sheds on a holding 5 samples shall be taken from each shed.

4. Ratites: in frame of the programme holdings with more than 5 animals shall be sampled. Five (5) samples shall be taken at each holding.

5. Duck backyard holdings: there are 3.606 holdings with ducks in Slovenia; 90 holdings shall be selected and 20 samples per holding shall be taken.

In the frame of AI surveillance programme for poultry the virological testing shall be performed on the holdings of poultry with positive serological results and/or on holdings with poultry or birds found dead (sudden deaths, increased mortality or dead birds which could have contacts with free-living birds (e.g. ZOO birds)). Cloacal and oropharyngeal swabs and/or organs shall be taken and samples shall be tested virologically . There shall be 35 samples tested by M-gene PCR. In case of positive result H5/H7 PCR shall be performed (6 tests). In case of H5 and/or H7 positive finding analysis of the cleavage site shall be undertaken as soon as possible to determine whether or not it has a highly pathogenic avian influenza (HPAI) or a low pathogenic avian influenza (LPAI) motif (sequencing - 3 tests) and also virus isolation test on embrionated eggs (3 tests) and determination of virus subtype with HI test shall be performed (3 tests for HI test H5/H7 and 3 tests for HI test H1 to H16).

(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	
Slovenia	77	60	10	1 280	Haemagglutination-inhibition-test (HI)	X
Slovenia	0	0	0	2	ELISA test	X
Total	77	60	10	1 282		

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 : chicken breeders

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	
Slovenia	9	9	9	890	Haemagglutination-inhibition-test (HI)	X
Total	9	9	9	890		

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 : fattening turkeys

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	
Slovenia	47	47	10	980	Haemagglutination-inhibition-test (HI)	X

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Total	47	47	10	980
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 : farmed game birds (gallinaceous)

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
Slovenia	5	5	10	100	Haemagglutination-inhibition-test (HI)
Total	5	5	10	100	
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

NUJTS (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
Slovenia	3	3	5	30	Haemagglutination-inhibition-test (HI)
Total	3	3	5	30	
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 : backyard and other bird holdings

delete this category

NUJTS (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
Slovenia	33 500	7	5	41	PCR test
Slovenia	0	0	0	3	Virus isolation test

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Slovenia	0	0	0	0	3 Sequencing	X
Slovenia	0	0	0	0	3 HI test H5/H7	X
Slovenia	0	0	0	0	3 HI test H1-16	X
Total	33 500	7	5	53		
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

Total Poultry	33 641	131	49	3 335		

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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 : backyard duck holdings

delete this category

NUITS (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
Slovenia	3 606	90	20	3 600	Haemagglutination-inhibition-test (HI)
Slovenia	0	0	0	8	ELISA test
Total	3 606	90	20	3 608	

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

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Category : farmed game (waterfowl e.g. mallards)

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
Slovenia	1	1	20	40	Haemagglutination-inhibition-test (HI)
Total	1	1	20	40	
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

Add a category

Total Ducks and geese	3 607	91	40	3 648	

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Grand Total						
Poultry + Ducks/Guese	37 248	222	89	6 983		

2.3 Sampling procedures, sampling periods and frequency of testing

(max. 32000 chars):

On the basis of annual Decree on carrying out of systematic surveillance of animal diseases and vaccination of animals, monitoring and survey programmes for each year are laid down. Blood samples for serological examination shall be taken by private practitioners with concession. Samples collected for other purposes shall be used, whenever possible. Samples for virological testing (sick or dead poultry or birds) shall be taken by private practitioners with concession or pathology expert from National Veterinary Institute (NVI). Testing of samples shall be carried out at the NVI, Laboratory for contagious poultry diseases, functioning as the National reference laboratory for avian influenza (NRL for AI) of the Republic of Slovenia. Sampling shall be carried out once a year per holding in the programme from 1 January to 31 December 2013.

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

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

Testing of samples shall be carried out at the NVI. In accordance with the avian influenza diagnostic manual (Commission Decision 2006/437/EC) the following tests will be used:

- haemagglutination-inhibition (HI) test for H5 and H7 subtypes;
- ELISA .

Virological tests:

- PCR, virus isolation, sequencing, HI test H5/H7, HI test H1 - H16.

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):

Veterinary Administration of the Republic of Slovenia (VARŠ) is a body within the Ministry of Agriculture and of the Environment (MAE) and is the Competent Authority in charge of supervising and coordinating the departments responsible for implementing the programme. VARŠ is among other things competent for:

- preparation of national control programmes;
- implementation of official controls;
- collection of data for the valuation of results, and for the annual submission of data to the European Commission.

VARŠ includes: VARŠ Main Office, Office for Internal Official Control (including 10 VARŠ Regional Offices), and Office for Border Official Control (including 6

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Border Inspection Posts).

VARS Regional Offices (10) are responsible for the implementation of checks , for the control of implementation of the national control programmes, for the implementation of official sampling, and for the implementation of measures in case of disease outbreaks.

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

(max. 32000 chars) :

The entire territory of the Republic of Slovenia extends over an area of 20.273 square kilometers, and is divided into 10 VARS Regional Offices for the needs of operations of veterinary inspection services. In the light of the relative smallness of Slovenia, the programme for wild birds shall be implemented on the entire territory of the Republic of Slovenia.

3.1.3 Estimation of the local and/or migratory wildlife population

(max. 32000 chars) :

In Table 3 below there are some data on the bird population in the Republic of Slovenia from winter counting. The data are from the report Božič, L. Monitoring of population of selected target bird species, Winter counting of waterfowl, 2011 in Slovenia.

Table 3: Bird populations during winter counting 2011

COMMON NAME (SCIENTIFIC NAME)	WINTER
Mute Swan (Cygnus olor)	1.582
Grey heron (Ardea cinerea)	936
Greater White-fronted Goose (Anser albifrons albifrons)	142
Tufted duck (Aythya fuligula)	995

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Mallard (Anas platyrhynchos)	27.733
Eurasian coot (Fulica atra)	7.890
Black-headed Gull (Larus ridibundus)	4.979
Great cormorant (Phalacrocorax carbo)	2.650
Little grebe (Tachybaptus ruficollis)	1.625
Bean goose (Anser fabialis)	739
Wigeon (Anas penelope)	394
Eurasian teal (Anas crecca)	1.497
Pochard (Aythya ferina)	852
Moorhen (Gallinula chloropus)	152
Common gull (Larus canus)	449

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

(max. 32000 chars):

A risk-based surveillance is implemented as a 'passive' surveillance system with laboratory investigation of sick wild birds or birds found dead. It is focused mainly on bird species referred to as target species (TS) (Part 2 of Annex II of Commission Decision 2010/367/EU). Samples will be taken from found dead or sick wild birds in the water areas (lakes, rivers, sea,...), specially in those close to poultry holdings or in poultry high density areas. Close cooperation with epidemiologists and ornithologists is ensured for the preparation of the surveillance programme. If the epidemiological situation for the HPAI H5N1 virus so requires, surveillance activities shall be enhanced by awareness raising and active searching and monitoring for dead or sick wild birds, in particular for those belonging to TS. This could be triggered by the detection of the HPAI H5N1 virus in poultry and/or wild birds in neighbouring Member States and third countries or in countries which are linked via the movement of migratory wild birds, in particular those of TS, to Slovenia. In that case the specific migration patterns and wild bird species will be taken into account.

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Veterinary hygiene service (VHS) of NVI shall collect dead wild birds found on holdings or public areas, when notified. In notifying such occurrences ornithologists, hunters and also perceptive public shall participate. Samples will be taken also from sick birds in wild animal rescue centre.

- (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.*

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
Slovenia	water fowl and shore birds and oil <input type="checkbox"/>	200	0	400
Total	0	200	0	400
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.*

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3.3 Sampling procedures and sampling periods

max 32000 chars :

On the basis of annual Decree on carrying out of systematic surveillance of animal diseases and vaccination of animals, monitoring and survey programmes for each year are laid down. Veterinary hygiene service (VHS) of NVI shall collect dead wild birds found on holdings or public areas, when notified. Samples will be also taken from sick birds in wild animal rescue centre. Cloacal and tracheal/oropharyngeal swabs and/or tissues from wild birds shall be taken by veterinarian in wild animal rescue centre or by expert from National Veterinary Institute (NVI). Testing of samples shall be carried out at the NVI, Laboratory for contagious poultry diseases, functioning as the National reference laboratory for avian influenza (NRL for AI) of the Republic of Slovenia.
Sampling shall be carried out from 1 January to 31 December 2013.

3.4 Laboratory testing : description of the laboratory tests used

max 32000 chars :

Laboratory tests shall be carried out in accordance with the avian influenza diagnostic manual (Commission Decision 2006/437/EC) laying down the procedures for the confirmation and differential diagnostic of avian influenza. The tests will be done at NVI.
All samples shall be tested for the presence of Influenza A virus using initial screening for M-gene PCR as soon as possible. All positive results shall be subsequently tested by H5 and H7 PCR. In case of H5 and/or H7 positive finding, analysis of the cleavage site must be undertaken as soon as possible to determine whether or not it has a highly pathogenic avian influenza (HPAI) or a low pathogenic avian influenza (LPAI) motif and also virus isolation test on embryonated eggs and determination of virus subtype shall be performed.

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

max 32000 chars :

Avian influenza has never been recorded in poultry in the Republic of Slovenia. The examinations on avian influenza were only carried out at major

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mortalities of poultry as differential diagnosis.

Since 2004, the survey programmes for avian influenza are carried out each year. All the examination results were negative. In Table 1 there are some data on results of the survey programmes for poultry.

Table 1: Number of tests and results (2007– 2011)

Year	No. of tests (H5/H7)	No. of positive
2007	4.294	0
2008	4.542	0
2009	5.458	0
2010	4.550	0
2011	4.490	0

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

(max. 32000 chars) :

In 2007 there were no positive results for H5 or H7 viruses. However, 19 samples were positive in M-gene. One yellow legged gull (*Larus argentatus* cachinnans) was found positive for H13N6 subtype and one mallard (*Anas platyrhynchos*) was positive for H14 subtype. Beside that, 14 mallards (*Anas platyrhynchos*) and 3 mute swans (*Cygnus olor*) were positive for M-gene, but the virus isolations and H5/H7-gene PCR were negative. In 2008 there were no positive results for A/H5 or H7 viruses. However, 16 samples (15 birds) were positive in M-gene PCR: 11 mallards (*Anas platyrhynchos*), 1 mute swan (*Cygnus olor*), 1 white stork (*Ciconia ciconia*) and 2 yellow-legged gulls (*Larus argentatus* cachinnans). One mallard turned out to be positive on PMV-6, at all other samples virus isolation was negative. In 2009 there was one positive result for LPAI H5 (not N1) in mallard (*Anas platyrhynchos*) and one for LPAI H7N7 in mute swan (*Cygnus olor*). Ten other samples from mallards (*Anas platyrhynchos*) were positive in M-gene PCR: one H2, one H3 and H4, other subtypes were not identified. In 2010 there were no positive results for H5 or H7 viruses. However, 6 mallards (*Anas platyrhynchos*) were positive in M-gene PCR: two H1, two H10 and two subtypes were not identified.

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In 2011 there was one positive result for LPAI H5 (not N1) in mute swan (*Cygnus olor*). Beside that five birds were positive in M-gene PCR: 2 mute swans (*Cygnus olor*) and 3 mallards (*Anas platyrhynchos*), but were not H5 or H7 subtype. In Table 2 there are some data on results of the survey programmes for wild birds.

Table 2: Number of tests in wild birds (2006 – 2010)

Year	No. of tested	No. of H5 positive	No. of H7 positive	Total No. of positive
2007	334	0	0	19
2008	480	0	0	15
2009	412	1	1	12
2010	283	0	0	6
2011	244	1	0	6

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

(max. 32000 chars) :

On the basis of the Rules on animal disease (UL RS No 81/07 and 24/10) which are also transposing Council Directive 82/894/EEC of 21 December 1982 on the notification of animal diseases within the Community, Avian Influenza is a compulsorily notifiable disease in Slovenia.

When the presence of Avian Influenza is suspected, the veterinary organisation having established the suspicion shall immediately notify thereof by telephone and by fax or e-mail, on a form which must include the prescribed data, VARS Headquarters (VARS HQ) which, in turn, shall immediately convene a meeting of the National Disease Control Centre (NDCC) members. The VARS HQ provides for a 24-hour service line for these purposes.

The designated laboratory shall immediately communicate the results of diagnostic investigations by telephone (via the 24-hour service line) and by fax or e-mail to the VARS HQ.

VARS must notify the disease immediately or no later than within 24 hours to the World Organisation of Animal Health (OIE), the European Commission, and the competent veterinary authorities of all neighbouring countries. Notification shall include all the information required, and it shall be faxed or e-mailed or forwarded by the ADNS system.

In case of an outbreak of Avian Influenza in poultry, the measures prescribed in the Rules on measures for the detection, prevention and suppression of

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avian influenza (UL RS No 47/07 and 42/10) which are transposing the Council Directive 2005/94/EC shall be implemented. In case of wild bird the European Commission shall be immediately informed according to Commission Decision 2010/367/EU. If the HPAI H5N1 is confirmed, the measures of Commission Decision 2006/563/EC shall be implemented.

7. Costs

7.1 Detailed analysis of the costs

7.1.1 Poultry

(max. 32000 chars):

Costs of tests
HI test H5: 5,18 €
HI test H7: 5,18 €
ELISA: 8,19 €
M gene PCR: 68,92 €
H5 PCR: 39,06 €
H7 PCR: 39,06 €
Sequencing: 67,44 €
Virus isolation: 66,97 €
Determination of virus isolates (HI test for H5 or H7): 27,23 €
Determination of virus isolates (HI test for other subtypes): 83,82 €

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7.1.2 Wild birds

(max. 32000 chars) :

Costs of tests

M gene PCR: 68,92 €

H5 PCR: 39,06 €

H7 PCR: 39,06 €

Sequencing: 67,44 €

Virus isolation: 66,97 €

Determination of virus isolates (HI test for H5 or H7): 27,23 €

Determination of virus isolates (HI test for other subtypes): 83,82 €

Other costs

Refund for wild animal rescue centre sampling: 16,00 €

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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				
Methods of laboratory analysis		Number of tests	Unitary test cost (per method) in €	Total cost (€)
ELISA test		10	8.19	81.9
agar gel immune diffusion test		0	0	0
Haemagglutination-inhibition-test (HI) for H5 (specify number of tests for H5)		3 460	5.18	17922.8
Haemagglutination-inhibition-test (HI) for H7 (specify number of tests for H7)		3 460	5.18	17922.8
Virus isolation test		3	66.97	200.91
PCR test		35	68.92	2412.2
H5/H7 PCR		6	39.06	234.36
Sequencing		3	67.44	202.32
HI test H5/H7		3	27.33	81.99

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HI test (subtypes other than H5 or H7)	3	83.82	251.46	
			Add a new row	
Sampling				
	Number of samples	Unitary cost in €	Total cost (€)	
Samples	3 460	10	34600	
Other measures				
	Number of samples	Unitary cost in €	Total cost (€)	
Other please specify here	0	0	0	X
			Add a new row	
Total poultry Testing + Sampling + Other measures	10 443		73 910,74 €	

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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	66.97	1339.4	
PCR test	400	68.92	27568	
H5/H7 PCR	40	39.06	1562.4	
HI test for H5/H7	5	27.33	136.65	
HI test (subtypes other than H5 or H7)	5	83.82	419.1	
Sequencing	5	67.44	337.2	
				Add a new row
Sampling				

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	Number of samples	Unitary cost in €	Total cost (€)
Samples	200	16	3200
Other measures			
Other please specify here	Number	Unitary cost in €	Total cost (€)
	0	0	0
			Add a new row
Total wild birds Testing + Sampling + Other measures	660		33 669,80 €
Grand Total Poultry + Wild birds	11103		107 580,54 €

Standard requirements for the submission of surveillance programmes for avian influenza

version : 2.2

Attachments

IMPORTANT :

- 1) The more files you attach, the longer it takes to upload them .
- 2) This attachment files should have one of the format listed here : .zip, .jpg, .jpeg, .tiff, .tif, .xls, .doc, .bmp, .pna.
- 3) The total file size of the attached files should not exceed 2 500Kb (+- 2.5 Mb). You will receive a message while attaching when you try to load too much.
- 4) IT CAN TAKE **SEVERAL MINUTES TO UPLOAD** ALL THE ATTACHED FILES. Don't interrupt the uploading by closing the pdf and wait until you have received a Submission Number!
- 5) Zip files cannot be opened (by clicking on the Open button). All other file formats can be opened.