



EUROPEAN COMMISSION
HEALTH AND CONSUMERS DIRECTORATE-GENERAL

Director General

SANCO/10616/2013

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

**The programme for the monitoring of
transmissible spongiform encephalopathies (TSE) and for
the eradication of bovine spongiform encephalopathy
(BSE) and of scrapie**

Latvia

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

* in accordance with Council Decision 2009/470/EC

Standard requirements for the submission of programmes of eradication and monitoring of TSE

version : 2.21

1. Identification of the programme

Member state : LATVIJA

Disease : Transmissible Spongiform Encephalopathies

Request of co-financing for the year :

2013

1.1 Contact

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2. Description of the programme

(max. 32000 chars) :

Programme has been developed with the target to provide BSE monitoring in Latvia during 2013 in accordance with requirements set out in Article 6, Point 1 of the Regulation of the European Parliament and Council (EC) No 999/2001.

Screpi monitoring programme will be carried out in accordance with requirements set out in point 3, Section II, Chapter A, Annex III of the Regulation of the European Parliament and Council (EC) No 999/2001. The aim of the programme is to test all the ovine and caprine animals not slaughtered for human consumption (dead animals) - up to 500 for ovine animals and up to 100 for caprine animals.

3. Description of the epidemiological situation of the disease

(max. 32000 chars) :

Testing of bovine animals to BSE was started on 1997 and until now positive cases were not registered in Latvia.

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Year Number of tested animals

2000 - 310
2001 - 2174
2002 - 4345
2003 - 6126
2004 - 29576
2005 - 36 963
2006 - 39395
2007 - 46 545
2008 - 47 600
2009 - 44 770
2010 - 40 854
2011 - 32 806

There are 33 998 herds with 380 612 bovine animals registered in Latvia at the time of preparation of programme.

BSE is compulsory notifiable disease in Latvia since 1998.

Testing of sheep and goats to TSE in Latvia was started on 2001. Until 2005 160 samples are tested but in 2006 888 sheep and 17 goats were tested, in 2007 1456 sheep and 66 goats, in 2008 64 sheep and 10 goats, in 2009 81 sheep and 11 goats, in 2010 48 sheep and 5 goats, in 2011 83 sheep and 15 goats.

Positive cases were not found. There are 4 357 sheep herds with 79 664 animals and 2 856 goat herds with 13 425 animals registered in Latvia at the time of preparation of programme. Scrapie is compulsory notifiable disease in Latvia since 1998.

4. Measures included in the programme

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

(max. 32000 chars) :

The Food and Veterinary Service (FVS) of the Republic of Latvia is a state administrative institution headed by the CVO and supervised by the Ministry of Agriculture.

The FVS consists of the central body placed in Riga and territorial structural units (the local level) – 10 territorial offices and one city office. The central body coordinates activities of the local level and ensure a unified implementation of legislation. The local level carries out the official surveillance in accordance with the state surveillance programmes and reports to the central body. The State authorised veterinarians report to the respective local veterinary office.

Veterinary Surveillance Department of FVS:

- Develops reglament of FVS and programmatic documents on prophylaxis and eradication of TSEs, determine necessity of developing of normative acts and suggest initiative of administration of FVS in this light;
- In compliance with demands determined by normative acts, FVS programmatic and reglament

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documents, develop concrete instructions on prophylaxis and eradication of TSEs, organise execution, carry out control of execution and analyses of results, suggests necessary corrections in programmatic and reglament documents

Unprofessional structures and persons:

Animal owners are responsible for notification on animal death and clinical suspected animals as it is defined in legislation.

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

(max. 32000 chars) :

Programme will be applied to whole territory of Latvia

4.3 System in place for the registration of holdings

(max. 32000 chars) :

Regulation of Cabinet of Ministers No 650, 16 August, 2011 "Order of registration of animals, herds and holdings and identification of animals" determines order of individual identification of cattle, pigs, sheep, goats and horses and registration of holdings of agricultural animals, bee gardens, fishponds, hatcheries of aquatic animals (Repealing Regulation of Cabinet of Ministers No 712, 16 December, 2003 "Order of registration of animals, herds and holdings and identification of animals").

To ensure common data registration system, State Pedigree Information Data Processing Centre (Data Centre) develops register of animals, herds and holdings. Data Centre gives number for holding and this number is not changed during holding or herd is active. Animal owner informs Data centre on animal movement, liquidation of herd or holding, change of owners within seven days.

4.4 System in place for the identification of animals

(max. 32000 chars) :

Regulation of Cabinet of Ministers No 650, 16 August, 2011 "Order of registration of animals, herds and holdings and identification of animals" determines procedures of individual identification of cattle (Repealing Regulation of Cabinet of Ministers No 712, 16 December, 2003 "Order of registration of animals, herds and holdings and identification of animals").

All ovine and caprine animals should be identified by ear tag. Movement of animals, realization of products are allowed if herd, holding is registered, animals are identified accordingly requirements of

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regulation.

4.5 Measures in place as regards the notification of the disease

(max. 32000 chars) :

Animal owners must immediately notify to veterinarian on animal death, abortions, simultaneous affection of several animals and any case, which arise suspicions that animal are affected by infectious disease (Chapter XI, Article 59, point 8.a of the Law of Veterinary medicine).

Regulation of Cabinet of Ministers No 127, 21 February, 2012 "Regulation on registrable and notifiable infectious diseases under state control and information to be provided to the Food and Veterinary Service (Repealing Order No 241, 21.09.2001 issued by Food and Veterinary Service determines the list of diseases (including TSEs) immediately notified to the Central Authority of Food and Veterinary Service and FVS Order No.6, 08.01.2009.)

4.6 Testing

4.6.1 Rapid tests in bovine animals

| | Age (in months) above which animals are tested | Estimated number of animals to be tested | Estimated number of rapid tests, including rapid tests used for confirmation | |
|--|--|--|--|---|
| Animals referred to in Annex III, Chapter A, Part I, point 2.1, 3 and 4 of Regulation (EC) No 999/2001 of the European Parliament and of the Council | 48 | 3 000 | 3 000 | |
| Animals referred to in Annex III, Chapter A, Part I, point 2.2 of Regulation (EC) No 999/2001 | 72 | 22 500 | 22 500 | |
| Other please specify here | | | | X |
| | | Add a new row | | |

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4.6.2 Rapid tests in ovine animals

Estimated population of adult ewes and ewe lambs put to the ram .

64 374

| | Estimated number of animals to be tested | |
|--|--|---|
| Ovine animals referred to in Annex III, Chapter A, Part II, point 2 of Regulation (EC) No 999/2001 | 0 | |
| Ovine animals referred to in Annex III, Chapter A, Part II, point 3 of Regulation (EC) No 999/2001 | 300 | |
| Ovine animals referred to in Annex III, Chapter A, Part II, point 5 of Regulation (EC) No 999/2001 | 0 | |
| Ovine animals referred to in Annex VII, Chapter A, point 2.3(d) of Regulation (EC) No 999/2001 | 0 | |
| Ovine animals referred to in Annex VII, Chapter A, point 3.4(d) of Regulation (EC) No 999/2001 | 0 | |
| Ovine animals referred to in Annex VII, Chapter A, point 4(b) and (e) of Regulation (EC) No 999/2001 | 0 | |
| Ovine animals referred to in Annex VII, Chapter A, point 5(b)(ii) of Regulation (EC) No 999/2001 | 0 | |
| Other please specify here | | X |
| | Add a new row | |

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4.6.3 Monitoring in caprine animals

Estimated population of female goats and female kids mated .

11 378

| | Estimated number of animals to be tested | |
|---|--|---|
| Caprine animals referred to in Annex III, Chapter A, Part II, point 2 of Regulation (EC) No 999/2001 | 0 | |
| Caprine animals referred to in Annex III, Chapter A, Part II, point 3 of Regulation (EC) No 999/2001 | 100 | |
| Caprine animals referred to in Annex III, Chapter A, Part II, point 5 of Regulation (EC) No 999/2001 | 0 | |
| Caprine animals referred to in Annex VII, Chapter A, Part II, point 2.3(d) of Regulation (EC) No 999/2001 | 0 | |
| Caprine animals referred to in Annex VII, Chapter A, Part II, point 3.3(c) of Regulation (EC) No 999/2001 | 0 | |
| Caprine animals referred to in Annex VII, Chapter A, Part II, point 4(b) and (e) of Regulation (EC) No 999/2001 | 0 | |
| Caprine animals referred to in Annex VII, Chapter A, Part II, point 5(b)(ii) of Regulation (EC) No 999/2001 | 0 | |
| Other please specify here | | X |
| | ADD A NEW ROW | |

4.6.4 Confirmatory tests **other than rapid tests** as referred to in Annex X Chapter C of Regulation (EC) No 999/2001

| | Estimated number of tests |
|---|---------------------------|
| Confirmatory tests in Bovine animals | 10 |
| Confirmatory tests in Ovine and Caprine animals | 10 |

4.6.5 Discriminatory tests

| | Estimated number of tests | |
|---|---------------------------|--|
| Primary molecular testing referred to in Annex X, Chapter C, point 3.2(c)(i) of Regulation (EC) No 999/2001 | 0 | |

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4.6.6 Genotyping of positive and randomly selected animals

| | Estimated number | |
|--|------------------|--|
| Animals referred to in Annex III, Chapter A, Part II, point 8.1 of Regulation (EC) No 999/2001 | 10 | |
| Animals referred to in Annex III, Chapter A, Part II, point 8.2 of Regulation (EC) No 999/2001 | 100 | |

4.7 Eradication

4.7.1 Measures following confirmation of a BSE case

4.7.1.1 Description

(max. 32000 chars) :

After confirmation of BSE case FVS will carry out inquiry to identify:

- all other ruminants on the holding of the animal in which the disease was confirmed;
- where the disease was confirmed in a female animal, its progeny born within two years prior to, or after,
- clinical onset of the disease,
- all animals of the cohort of the animal in which the disease was confirmed,
- the possible origin of the disease,
- other animals on the holding of the animal in which the disease was confirmed or on other holdings which may have become infected by the TSE agent or been exposed to the same feed or contamination source,
- the movement of potentially contaminated material.

As so far Latvia is free from BSE, killing and destruction of animals identified by the inquiry will be done.

4.7.1.2 Summary table

| | Estimated number | |
|---|------------------|--|
| Animals to be killed under the requirements of Annex VII, Chapter A, point 2.1 of Regulation (EC) No 999/2001 | 0 | |

4.7.2 Measures following confirmation of a scrapie case

4.7.2.1 Description

(max. 32000 chars) :

After confirmation of TSE case in ovine or caprine animal FVS will carry out inquiry to identify:

- all ruminants other than ovine and caprine animals on the holding of the animal in which the disease

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was confirmed,

- insofar as they are identifiable, the parents, and in the case of females all embryos, ova and the last progeny of the female animal in which the disease was confirmed,
- all other ovine and caprine animals on the holding of the animal in which the disease was confirmed in addition to those referred to in the second indent,
- the possible origin of the disease and the identification of other holdings on which there are animals, embryos or ova which may have become infected by the TSE agent or been exposed to the same feed or contamination source,
- the movement of potentially contaminated materials which may have transmitted the TSE agent to or from affected holding.

In a case of BSE cannot be excluded, all animals, embryos and ova identified by inquiry will be killed and destroyed.

When BSE is excluded, in case of classical scrapie depending on size and genetic value of the herd, FVS will take a decision to apply measures set in Point 2.3.b (i) or 2.3.b (ii), Chapter A of Annex VII of the Regulation of the European Parliament and Council (EC) No 999/2001.

In a case of atypical scrapie all animals, embryos and ova identified by inquiry will be killed and destroyed.

4.7.2.2 Summary table

| | Estimated number | |
|---|------------------|--|
| Animals to be culled and destroyed under the requirements of Annex VII, Chapter A, point 2.3 of Regulation (EC) No 999/2001 | 0 | |
| Animals to be sent for compulsory slaughter in application of the provisions of Annex VII, Chapter A, point 2.3(d) of Regulation (EC) No 999/2001 | 0 | |
| Animals to be genotyped under the requirements of Annex VII, Chapter A, point 2.3 of Regulation (EC) No 999/2001 | 0 | |

4.7.3 Breeding programme for resistance to TSEs in sheep

4.7.3.1 General description

Description of the programme according to the minimum requirements set out in Annex VII, Chapter B of Regulation (EC) No 999/2001

(max. 32000 chars) :

It is not planned to implement breeding programme in Latvia in 2013

4.7.3.2 Summary table

| | Estimated number |
|--|------------------|
|--|------------------|

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| | |
|---|---|
| Ewes to be genotyped under the framework of a breeding programme referred to in Article 6a of Regulation (EC) | 0 |
| Rams to be genotyped under the framework of a breeding programme referred to in Article 6a of Regulation (EC) | 0 |

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5. Costs

5.1 Detailed analysis of the costs

(max. 32000 chars):

All samples taken from target animals will be tested in one laboratory - National Reference laboratory. Detailed analysis of the programme costs are described in point 5.2.

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5.2 Summary of costs

| 1. Testing in bovine animals (as referred to in point 4.6.1) | | | | | | |
|---|-------------------------------------|-----------------|---------------------|---------------------|-----------------------------|---|
| Costs related to | Specification | Number of units | Unitary cost in EUR | Total amount in EUR | Community funding requested | |
| 1.1. Rapid tests | Bio-Rad TeSeE SAP | 12 750 | 25.31 | 322,702.5 | yes | X |
| 1.1. Rapid tests | IDEXX HerdCheck | 12 750 | 25.31 | 322,702.5 | yes | X |
| Add a new row | | | | | | |
| 2. Testing in ovine and caprine animals (as referred to in point 4.6.2 and 4.6.3) | | | | | | |
| Costs related to | Specification | Number of units | Unitary cost in EUR | Total amount in EUR | Community funding requested | |
| 2.1. Rapid tests | Bio-Rad TeSeE SAP | 200 | 25.31 | 5062 | yes | X |
| 2.1. Rapid tests | IDEXX HerdCheck BSE-Scrapie Antigen | 200 | 25.31 | 5062 | yes | X |
| Add a new row | | | | | | |
| 3. Confirmatory testing (as referred to in point 4.6.4) | | | | | | |
| Costs related to | Specification | Number of units | Unitary cost in EUR | Total amount in EUR | Community funding requested | |
| 3.1. Confirmatory tests in Bovines | Immunohistochemistry | 5 | 14.94 | 74.7 | yes | X |
| 3.1. Confirmatory tests in Bovines | Histopathology | 5 | 115 | 575 | yes | X |
| Add a new row | | | | | | |

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| Costs related to | Specification | Number of units | Unitary cost in EUR | Total amount in EUR | Community funding requested |
|---|---|-----------------|---------------------|---------------------|-----------------------------|
| 3.2. Confirmatory tests in Ovines and Caprines | Immunohistochemistry | 5 | 14.94 | 74.7 yes | X |
| 3.2. Confirmatory tests in Ovines and Caprines | Histopathology | 5 | 115 | 575 yes | X |
| Add a new row | | | | | |
| 4. Discriminatory testing (as referred to in point 4.6.5) | | | | | |
| Costs related to | Specification | Number of units | Unitary cost in EUR | Total amount in EUR | Community funding requested |
| 4.1. Primary molecular tests | - | 0 | 0 | 0 no | X |
| Add a new row | | | | | |
| 5. Genotyping | | | | | |
| Costs related to | Specification | Number of units | Unitary cost in EUR | Total amount in EUR | Community funding requested |
| 5.1 Determination of genotype of animals in the framework of the monitoring and eradication measures laid down by Regulation (EC) No 999/2001 (as referred to in point 4.6.6 and 4.7.2.2) | PrP gene genotyping with Taqman probes, adopted from INRA, Labogena | 110 | 58.8 | 6468 yes | X |
| Add a new row | | | | | |
| Costs related to | Specification | Number of units | Unitary cost in EUR | Total amount in EUR | Community funding requested |
| 5.2 Determination of genotype of animals in the framework of a breeding programme (as referred to in point 4.7.3.2) | - | 0 | 0 | 0 no | X |
| Add a new row | | | | | |

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| 6. Compulsory culling/slaughter | | | | | | |
|--|---------------|-----------------|---------------------|----------------------|-----------------------------|---|
| Costs related to | Specification | Number of units | Unitary cost in EUR | Total amount in EUR | Community funding requested | |
| 6.1 Compensation for bovine animals to be culled and destroyed under the requirements of Annex VII, Chapter A, point 2.1 of Regulation (EC) No 999/2001 (as referred to in point 4712) | - | 0 | 0 | 0 no | | X |
| | | | | Add a new row | | |
| Costs related to | Specification | Number of units | Unitary cost in EUR | Total amount in EUR | Community funding requested | |
| 6.2 Compensation for ovine and caprine animals to be culled and destroyed under the requirements of Annex VII, Chapter A, point 2.3 of Regulation (EC) No 999/2001 (as referred to in point 4722) | - | 0 | 0 | 0 no | | X |
| | | | | Add a new row | | |
| 6.3 Compensation for ovine and caprine animals to be sent for compulsory slaughter in application of the provisions of Annex VII, Chapter A, point 2.3 (d) of Regulation (EC) No 999/2001 (as referred to in point 4722) | - | 0 | 0 | 0 no | | X |
| | | | | Add a new row | | |
| Total | | | | 663 296,40 € | | |

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Attachments

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