



EUROPEAN COMMISSION
HEALTH & CONSUMERS DIRECTORATE-GENERAL

Unit 04 - Veterinary Control Programmes

SANCO/3924/2008

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

Eradication programme of Enzootic Bovine Leucosis

Approved* for 2009 by Commission Decision 2008/897/EC

Estonia

* in accordance with Commission Decision 90/424/EEC

Application for Community financing co-financing of the program for the eradication, monitoring and control of Enzootic bovine leucosis for year 2009.

1. Identification of the programme

Member State: Estonia

Disease(s)¹: Enzootic bovine leucosis (EBL)

Request of Community co-financing for²: 01.01.2009-31.12.2009

Reference of this document: State Program on Monitoring and Surveillance of Animal infectious Diseases

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Date sent to the Commission: 30.04.2008

2. Historical data on the epidemiological evolution of the disease(s)³:

Information on any routine EBL testing programmes in place: In accordance with the Infectious Animal Disease Control Act, the annual volume of EBL testing is laid down by the State Program on Monitoring and Surveillance of Animal infectious Diseases confirmed by the General Director of the Veterinary and Food Board. Instructions for EBL monitoring have been confirmed by the Ministry of Agriculture by Regulation No. 17 of 28 February 2007, which also provides guidelines for the prevention and control Enzootic leucosis of bovine animals and for the handling of products originating from suspected or infected animals. Bovine leucosis protection is a part of active control programmes the National Infectious Animal Disease Control Programme.

Number of cases of leucosis in bovine animals was 33349 in 1992, all diseased animals has been always eliminated. In 2004 number of bovine animals that were discovered to have leucosis and were eliminated was only 5. In 2005 number of positive cases were 69. In 2006 number of positive cases were 13. In accordance with § 10 of regulation of Minister of Agriculture "Requirements for controlling enzootic leucosis of bovine animals"¹ in case of dairy cattle, cows shall be checked twice a year by a serological examination of milk samples whereas during the taking of samples at least 30 per cent of cows are being milked; in case of herd of meat-producing bovine animals, bovine animals are examined serologically at least once a year by a random selection of blood samples taken from a slaughter-house (the number of samples to be examined during the year must constitute at least 30 per cent of the number of herd of bovine animals). Also all breeding bulls are serologically examined once day a year in artificial insemination centres of bovine animals.

¹ One document per disease is used unless all measures of the programme on the target population are used for the monitoring, control and eradication of different diseases.

² Indicate the year(s) for which co-financing is requested.

³ A concise description is given with data on the target population (species, number of herds and animals present and under the programme), the main measures (testing, testing and slaughter, testing and killing, qualification of herds and animals, vaccination) and the main results (incidence, prevalence, qualification of herds and animals). The information is given for distinct periods if the measures were substantially modified. The information is documented by relevant summary epidemiological tables, graphs or maps.

¹ In this Regulation account is taken of the requirements provided in EU Directives 77/391/EEC (OJ No L 145, 13.06.1977, p. 44), 78/52/EEC (OJ No L 015, 19.01.1978, p. 34) and 97/12/EEC (OJ No L 109, 25.04.1997, p. 1)

From year 2007 all the bovine animals over 24 months old are subjected to routine serological testing in accordance with Council Directive of 26 June 1964 64/432/EEC on animal health problems affecting intra-community trade in bovine animals at yearly intervals.

An identification system making it possible to identify the herds of origin and transit for each bovine animal is in existence.

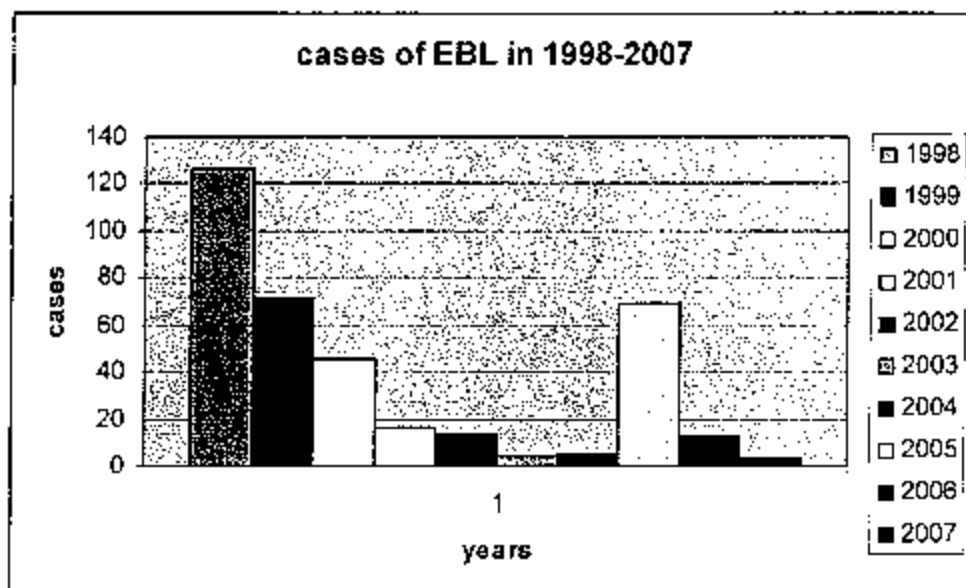
All bovine animals slaughtered have been subjected to a post-mortem examination by an official veterinarian.

All suspected cases of enzootic bovine leucosis has been fully investigated, including tracing back and forward, all herds of origin or transit were subjected to appropriate laboratory examination. While such examinations take place, the officially enzootic-bovine-leucosis-free status of the herds of origin or transit has been suspended until clinical or laboratory serological tests have ruled out the presence of enzootic bovine leucosis.

Number of tested animals under surveillance programme in Estonia 1998-2007:

County	Years									
	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Harjumaa	10809	9510	10241	6499	6197	5347	3509	6998	7224	6490
Iidumaa	1654	1473	1010	632	565	469	404	960	940	1560
Ida-Virumaa	5102	4667	3743	2188	2233	2882	2997	3533	3348	3331
Jõgevamaa	20859	18262	17106	15608	12814	10400	10387	13907	13615	14099
Järvamaa	23448	25168	16654	19109	19337	18070	19583	19629	18636	19140
Läänemaa	6566	4449	5387	4584	4816	3890	4578	3913	4088	4475
Lääne-Virumaa	20229	16820	12475	12093	12892	12509	12081	13825	14022	14670
Põlvamaa	10539	9579	6710	5850	6121	5295	5064	5972	5110	5869
Pärnumaa	23840	18800	14030	10113	9643	9548	9785	13135	13485	14724
Raplamaa	12465	13014	10172	9468	7400	7042	6479	8726	8432	8232
Saaremaa	10291	8905	8550	6925	6412	6003	5737	6820	7347	8288
Tartumaa	12222	10482	7553	6831	6431	6156	5926	7772	7640	8220
Valgamaa	8459	6782	5062	4020	3933	3802	3663	4954	4779	4709
Viljandimaa	14540	12705	10267	8460	8136	7938	4591	8863	9177	8797
Võrumaa	6638	4612	5137	4342	3987	3795	3124	4667	4249	4533
Total	187661	165228	134097	116722	110917	103146	100908	123674	122092	127137

The implementation of the programme for the control of bovine enzootic leucosis has given desired results. The cases of leucosis in 1992-2006 are given in the following table. All these bovine animals discovered to have leucosis were eliminated.



3. Description of the submitted programme⁴:

The monitoring and surveillance in the field of animal health is performed on the basis of the State Programme on Monitoring and Surveillance of Animal Infectious Diseases. This is an annual programme adopted with the decree of Director General of VFB on the basis of Animal Infectious Disease Control Act.

State Programme on Monitoring and Surveillance of Animal Infectious Diseases 2008:



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Monitoring:

State Programme on Monitoring and Surveillance of Animal Infectious Diseases in 2008:

Basis: Decree on Control of Enzootic Bovine Leucosis,

Council Directive of 26 June 1964 64/432/EEC on animal health problems affecting intra-community trade in bovine animals and swine

In the a leucosis-free herds:

1. All bovine animals in this herd aged over 24 months of age have reacted negatively during the preceding 12 months to two tests, at an interval of at least four months. In case of dairy cattle, cows shall be checked by a serological examination of milk samples. blood samples are collected from all other bovine animals;

⁴ A concise description of the programme is given with the main objective(s) (monitoring, control, eradication, qualification of herds and/or regions, reducing prevalence and incidence), the main measures (testing, testing and slaughter, testing and killing, qualification of herds and animals, vaccination), the target animal population and the area(s) of implementation and the definition of a positive case.

2. All bulls in artificial insemination centres are examined serologically.

If a leucosis-free herd is found to be infected after a serological examination, the status shall remain suspended until the following requirements are complied with:

- 1) a bovine animal that has reacted positively to a serological test and, in the case of a cow, any calf it may have produced, must have left the herd for slaughter under the supervision of the Veterinary and Food Board;
- 2) Veterinary and Food Board may grant a derogation from the obligation to slaughter the calf of an infected cow where it was separated from its mother immediately after calving. In this case, the calf must remain in the same herd until it reaches 24 months of age (except for a slaughter animal) and prior to its removal from a herd must be serologically examined pursuant to the requirements provided in clause 3) and reacts negatively to a serological test;
- 3) all bovine animals that are older than six months of age react negatively to a serological test that is conducted at least three months after slaughtering of a bovine animal and its calves that have reacted positively to a serological test;
- 4) an epidemiological inquiry has been conducted and the herds linked epidemiologically to the infected herd and that are older than six months of age are examined serologically and react negatively to the serological test. Regulation No 17, §10 (28.02.2007).

Prohibitions: Holding infected or suspected of being infected with enzootic bovine leucosis is subjected under official restrictions with effective preventive methods against the spread of the disease. This includes strict prohibition of all movement and transportation of animal and person other than official veterinarians and those concerned with the care of the animals. (Regulation No 17 § 15 (28.02.2007)).

Eradication: Slaughtering of infected bovine animals and bovine animals that react positively to a serological test:

Bovine animals that are infected with leucosis and bovine animals that react positively to a serological test shall be slaughtered by a general procedure after completing the slaughtering of healthy bovine animals and removal of their carcasses and other materials of slaughtering. It is prohibited to collect, for veterinary or medical purpose, the blood, endocrinological and other organs of bovine animals that are infected with leucosis and of bovine animals that react positively to a serological test. After detecting a tumour, the veterinarian conducting the inspection of meat shall take the necessary samples and send them to a laboratory for histological examination. (Regulation No 17, §16 (28.02.2007))

Use of meat and milk obtained from infected bovine animals and bovine animals that react positively to a serological test

- (1) Organs that are affected from tumours of leucosis shall be disposed.
- (2) In case of generalised tumour of leucosis, the whole carcasses and internal organs shall be disposed.
- (3) The meat of bovine animals that react positively to a serological test is allowed to be used in the general procedure.
- (4) The use of milk from cows that react positively to a serological test for food and feed for bovine animals without the heat treatment eradicating the leucosis virus is prohibited. (Regulation No 17, §17 (28.02.2007))

4. Measures of the submitted programme

4.1. *Summary of measures under the programme*

Duration of the programme: 2001-2008

First year: 2001

Last year: 2007

Control

Eradication

Testing

Testing

Slaughter of animals tested positive

Slaughter of animals tested positive

Killing of animals tested positive

Killing of animals tested positive

Vaccination

Extended slaughter or killing

Treatment

Disposal of products

Disposal of products

Eradication, control or monitoring.

Other measures (*specify*):

4.2. *Organisation, supervision and role of all stakeholders⁵ involved in the programme:*

The Veterinary and Food Board, a governmental agency carrying out its tasks under the government of the Ministry of Agriculture, functions as a supervising body and sees to that that the requirements stipulated by the legislation that governs veterinary, food safety, market regulation, animal welfare and farm animal breeding are followed and executes supervision over fulfilment of these requirements and applies enforcement by state pursuant to the procedures and in the amount prescribed by law. In addition to the mentioned acts, VFB adheres in its professional activities the Trade, Import And Export of Animals and Animal Products Act, the Import and Export Veterinary Control Act, the Animal Protection Act, the Farm Animals Breeding Act, the Organic Farming Act, the Medicinal Products Act, the Common Agricultural Policy Implementation Act, the Feeding Stuffs Act and other legislation laid down pursuant to these acts.

The broader objective of VFB is to ensure the consumers the production of safe, healthy and quality raw materials for food and food, to prevent and eradicate infectious animal diseases, to protect people from diseases common to both people and animals and diseases that are spread by animals, but at the same time to protect animals from human activity or inactivity endangering their health and welfare, to ensure productivity of farm animals and increase their genetic value, and to preserve genetic pool and profitability of keeping animals.

The tasks of the Veterinary and Food Board are to:

- plan and organise the prevention and control of infectious animal diseases;
- protect humans from diseases common to both people and animals;
- protect animals from factors endangering their welfare and demand that the animals are kept and treated as appropriate;
- grant approval to enterprises involved in handling foodstuffs and persons who determine the quality classes of carcasses;
- check the safety of raw material for food and food when raw material for food and food are produced, during their preliminary processing, processing, transportation and wholesale;

⁵ Describe the authorities in charge of supervising and coordinating the departments responsible for implementing the programme and the different operators involved. Describe the responsibilities of all involved.

- execute supervision over organic processing of raw material for food and food;
- organise laboratory analysis in order to diagnose infectious animal diseases and assess the properties of food, feedingstuffs, hay, straw, medicated feedingstuffs and drinking water;
- protect the environment from harmful factors that are the result of keeping animals or infectious animal diseases;
- issue activity licences for the provision of veterinary services;
- control the use of medicinal products and medicated feedingstuffs by veterinarians and animal-keepers manufacturing animal products;
- check animals, raw material for food and food, including checks of products of animal origin and agricultural products carrying markings that refer to organic farming, upon their importation to the Republic of Estonia;
- arrange the grant of approval to persons involved in animal breeding;
- execute supervision over animal breeding;
- organise preservation of genetic resources of farm animals;
- organise control procedures necessary for the implementation market regulation measures on milk and meat market.

In performing its tasks, VFB uses the services of the Veterinary and Food Laboratory, laboratories authorised in accordance with the Veterinary Activities Organisation Act, laboratories that hold an activity licence for a veterinary laboratory and laboratories authorised in accordance with the Food Act.

The organisation of the Veterinary and Food Board consists of the Central Office and 15 local offices – Veterinary Centres in the counties.

When the main objective of the Central Office is to coordinate supervision, the local offices carry out supervision.

The Central Office of the Veterinary and Food Board consists of five departments:

- the Animal Health and Welfare Department consists of the Animal Health Office and the Animal Welfare Office.
- the Food Department consists of the Office for Food of Non-Animal Origin and the Office for Food of Animal Origin.
- the Animal Breeding and Market Regulation Control Department consists of the Office of Animal Breeding Control, the Office of Genetic Resources and the Market Regulation Control Office.
- the Trade, Import and Export Department consists of the Surveillance and Control Office and six Border Inspection Posts, the Veterinary and Food Control Offices of Lühamaa, Paldiski, Narva, Paljassaare, Muuga Port and Dirham.
- the General Department consists of the Accounting Office, the Budgeting Office, the Personnel Office, the Administrative Office, and the Public Relations and IT Office.

VFB employs currently 340 people, 114 work in the Central Office and 226 in the counties Veterinary Centres.

In addition to the above-mentioned employees, 158 authorised veterinarians hold an activity licence and they have been granted the authority to check the state of the objects that are within the competence of VFB pursuant to the Veterinary Activities Organisation Act. The Veterinary and Food Board is managed by the Director General -Ago Pärtel.

The structural units Animal Health and Welfare Department are the Animal Health Office and the Animal Welfare Office.

The Animal Health Office organises infectious animal diseases control and applies measures for the protection of people from diseases common to both humans and animals and diseases that are spread by animals; executes supervision over the identification and registration of animals and conducts veterinary controls of movements of animals in the state; deals with the protection of the environment from harmful factors related to animal-keeping and animal

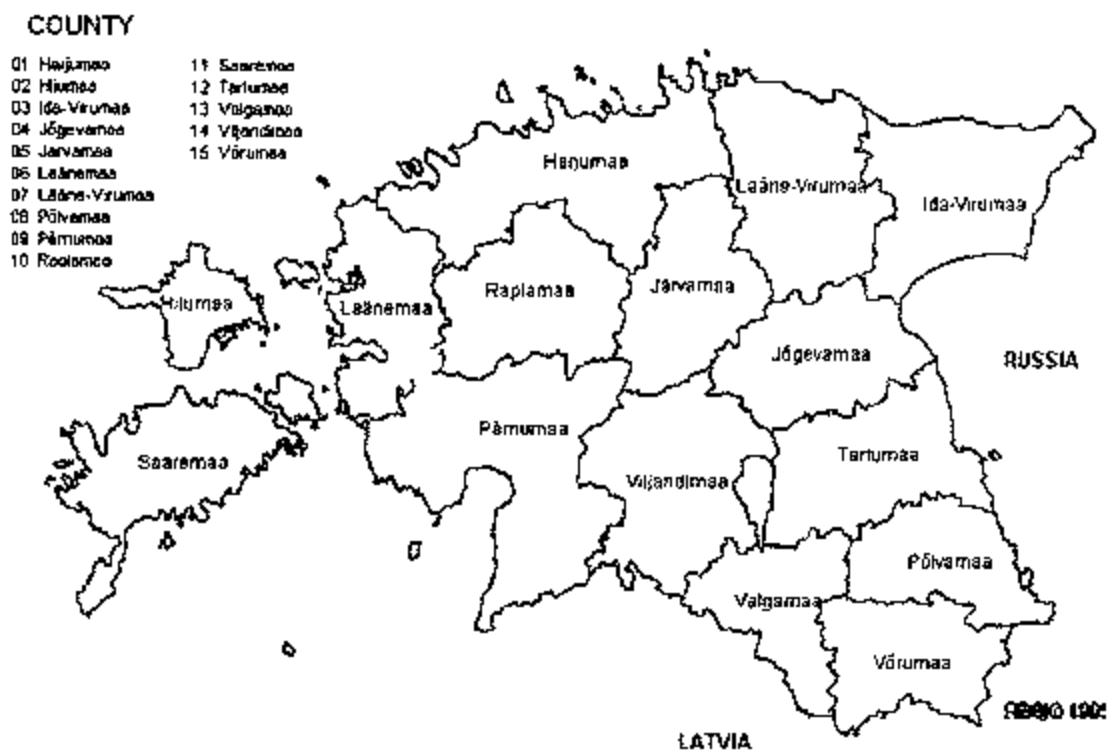
diseases; controls the use of medicines and medicated feedingstuffs by veterinarians and animal-keepers producing animal products; arranges the work of the state veterinary service and coordinates and executes supervision over veterinary aid, treatment and prevention; grants approval to and organises registration of buildings and facilities where animals are kept; advises on building design documentation; participates in the preparation and carrying out of state and international projects on animal health.

In executing its tasks:

- the Animal Health Office advises and carries out training courses for the supervisory officials of local offices (Veterinary Centres in the counties) and authorised veterinarians;
- coordinates and examines their work;
- issues precepts and decisions for correction of deficiencies;
- communicates with the officials of foreign countries, other authorities, ministries, public organisations (OIE, the European Commission, WHO, etc).

There is an animal health specialist in every county, who is responsible for solving the problems of this particular field. All personnel working in animal health and welfare field are veterinarians.

4.3. Description and demarcation of the geographical and administrative areas in which the programme is to be implemented⁶:



EBL programme is active in all 15 counties.

⁶ Describe the name and denomination, the administrative boundaries, and the surface of the administrative and geographical areas in which the programme is to be applied. Illustrate with maps.

4.4. Description of the measures of the programme⁷:

4.4.1. Notification of the disease:



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4.4.2. Target animals and animal population:



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4.4.3. Identification of animals and registration of holdings:



"No34,Notification of the disease in Estoni



"Infectious Animal Disease Control Act.c

4.4.4. Qualifications of animals and herds⁸:



"No 17, Regulation EBL in Estonian.doc"

4.4.5. Rules on the movement of animals:

Regulation on requirements for controlling enzootic leucosis of bovine animals No 17 (see above)

4.4.6. Tests used and sampling schemes:

Regulation on requirements for controlling enzootic leucosis of bovine animals No 17 (see above)

4.4.7. Vaccines used and vaccination schemes:

Regulation on requirements for controlling enzootic leucosis of bovine animals No 17(see above)

4.4.8. Information and assessment on bio-security measures management and infrastructure) in place in the holdings involved:

Regulation on requirements for controlling enzootic leucosis of bovine animals No 17(see above)

4.4.9. Measures in case of a positive result⁹:

⁷ A comprehensive description needs to be provided of all measures unless reference can be made to Community legislation. The national legislation in which the measures are laid down is mentioned.

⁸ To mention only if applicable.

⁹ A short description is provided of the measures as regards positive animals (slaughter, destination of carcasses, use or treatment of animal products, the destruction of all products which could transmit the

Regulation on requirements for controlling enzootic leucosis of bovine animals
No 17(see above)

4.4.10. Compensation scheme for owners of slaughtered and killed animals:

Regulation on requirements for controlling enzootic leucosis of bovine animals
No 17(see above)

4.4.11. Control on the implementation of the programme and reporting:

Regulation on requirements for controlling enzootic leucosis of bovine animals
No 17(see above)

5. Benefits of the programme¹⁰:

Due to the State Program on Monitoring and Surveillance of Animal infectious Diseases
Estonia intends to apply for Leucosis free status.

disease or the treatment of such products to avoid any possible contamination, a procedure for the disinfection of infected holdings, the therapeutic or preventive treatment chosen, a procedure for the restocking with healthy animals of holdings which have been depopulated by slaughter and the creation of a surveillance zone around the infected holding.)

6. Data on the epidemiological evolution during the last five years¹¹

6.1. Evolution of the disease¹²

6.1.1. Data on herds^(a) (one table per year and per disease/species)

Year:2007

Disease^(b): EBL

Situation on date: 31.12.2007

Animal species: bovis

Region ^(c)	Total number of herds ^(a)	Total number of herds under the programme	Number of herds checked ^(e)	Number of positive herds ^(d)	Number of new positive herds ^(e)	Number of herds depopulated	% positive herds depopulated	INDICATORS		
								% herd coverage	% positive herds Period herd prevalence	% new positive herds Herd incidence
I	2	3	4	5	6	7	8 = (7/5)x100	9 = (4/3)x100	10 = (5/4)x100	11 = (6/4)x100
Estonia	7224	7224	7224	3	3	0	0	100	0,04	0,04
Total	7224	7224	7224	3	3	0	0	100	0,04	0,04

Year:2006

Disease^(b): Enzootic bovine leucosis

Situation on date: 31.12.2006

Animal species: Bovis

Region ^(c)	Total number of herds ^(a)	Total number of herds under the programme	Number of herds checked ^(d)	Number of positive herds ^(e)	Number of new positive herds ^(e)	Number of herds depopulated	% positive herds depopulated	INDICATORS		
								% herd coverage	% positive herds Period herd prevalence	% new positive herds Herd incidence
I	2	3	4	5	6	7	8 = (7/5)x100	9 = (4/3)x100	10 = (5/4)x100	11 = (6/4)x100
Estonia	9267	9267	9267	8	5	0	0	0,1	0,06	0,06
Total	9267	9267	9267	8	5	0	0	0,1	0,06	0,06

Year:2005

Situation on date: 31.12.2005

¹¹

The data on the evolution of the disease are provided according to the tables below where appropriate.

¹²

No data to provide in case of rabies.

Disease ^(b) : Enzootic bovine leucosis		Animal species: Bovis									
Region ^(a)	Total number of herds ^(c)	Total number of herds under the programme	Number of herds checked ^(e)	Number of positive herds ^(b)	Number of new positive herds ^(d)	Number of positive herds depopulated	INDICATORS				
							% herd coverage	% positive herds Period herd prevalence	10 = (5/4) x 100	% new positive herds Herd incidence	11 = (6/4) x 100
1	2	3	4	5	6	7	9 = (4/3) x 100	8 = (7/5) x 100	10 = (5/4) x 100	11 = (6/4) x 100	
Estonia	8149	7745	7745	8	7	0	100	0	0.1	0.09	
Total	8149	7745	7745	8	7	0	100	0	0.1	0.09	

Year: 2004

Situation on date: 31.12.2004

Disease ^(b) : Enzootic bovine leucosis		Animal species: Bovis									
Region ^(a)	Total number of herds ^(c)	Total number of herds under the programme	Number of herds checked ^(e)	Number of positive herds ^(b)	Number of new positive herds ^(d)	Number of positive herds depopulated	INDICATORS				
							% herd coverage	% positive herds Period herd prevalence	10 = (5/4) x 100	% new positive herds Herd incidence	11 = (6/4) x 100
1	2	3	4	5	6	7	9 = (4/3) x 100	8 = (7/5) x 100	10 = (5/4) x 100	11 = (6/4) x 100	
Estonia	8624	5585	5585	2	1	50	100	50	0.035	0.018	
Total	8624	5585	5585	2	1	50	100	50	0.035	0.018	

Year: 2003

Situation on date: 31.12.2003

Disease ^(b) : Enzootic bovine leucosis		Animal species: Bovis									
Region ^(a)	Total number of herds ^(c)	Total number of herds under the programme	Number of herds checked ^(e)	Number of positive herds ^(b)	Number of new positive herds ^(d)	Number of positive herds depopulated	INDICATORS				
							% herd coverage	% positive herds Period herd prevalence	10 = (5/4) x 100	% new positive herds Herd incidence	11 = (6/4) x 100
1	2	3	4	5	6	7	9 = (4/3) x 100	8 = (7/5) x 100	10 = (5/4) x 100	11 = (6/4) x 100	
Estonia	9180	5961	5961	1	1	100	100	100	0.016	0.016	
Total	9180	5961	5961	1	1	100	100	100	0.016	0.016	

Year: 2002

Situation on date: 31.12.2002

Disease (b): Enzootic bovine leucosis

Animal species: Bovis

Region	Total number of herds ^{a)}	Total number of herds under the programme	Number of herds checked ^(c)	Number of positive herds ^(b)	Number of new positive herds ^(d)	Number of herds depopulated	% positive herds depopulated	INDICATORS	% herd coverage	% positive herds prevalence $10 - (5 \cdot 4) \times 100$	% new positive herds herd incidence $11 - (6 \cdot 4) \times 100$
1	2	2	4	5	6	7	$8 - (7 \cdot 5) \times 100$		$9 - (4 \cdot 3) \times 100$	$10 - (5 \cdot 4) \times 100$	$11 - (6 \cdot 4) \times 100$
Estonia	9371	6085	6085	5	5	5	100	100	100	0.082	0.082
Total	9371	6085	6085	5	5	5	100	100	100	0.082	0.082

Year: 2001

Situation on date: 31.12.2001

Disease^(a): Enzootic bovine leucosis

Animal species: Bovis

Region ^(a)	Total number of herds ^(b)	Total number of herds under the programme	Number of herds checked ^(c)	Number of positive herds ^(d)	Number of herds depopulated	% positive herds depopulated $8 = (7/8) \times 100$	INDICATORS		
							% herd coverage $9 = (4/3) \times 100$	% positive herds Period herd prevalence $10 = (5/4) \times 100$	% new positive herds Herd incidence $11 = (6/4) \times 100$
L	2	3	4	5	7	$8 = (7/8) \times 100$	9	10	11
Estonia	924	619	619	8	8	100	100	0,13	0,13
Total	924	619	619	8	8	100	100	0,13	0,13

(a) Herds or flocks or holdings as appropriate.

(b) Disease and animal species if necessary.

(c) Region as defined in the eradication programme of the Member State.

(d) Total number of herds existing in the region including eligible herds and non-eligible herds for the programme.

(e) Check means to perform a herd level test under the programme for the respective disease with the purpose of maintaining or upgrading the health status of the herd. In this column a herd must not be counted twice even if has been checked more than once.

(f) Herds with at least one positive animal during the period independent of the number of times the herd has been checked.

(g) Herds which status in the previous period was *Unknown*, *Not free-negative*, *Free*, *Officially Free* or *Suspended* and have at least one animal tested positive in this period.

6.1.2. Data on animals (one table per year and per disease/species)

Year: 2007

Situation on date: 31.12.2007

Animal species: Bovis

Disease^(a): EBL

Region ^(b)	Total number of animals ^(c)	Number of animals ^(d) to be tested under the programme	Number of animals ^(d) tested	Number of animals tested individually ^(e)	Number of positive animals	Slaughtering		INDICATORS	
						Number of animals with positive result slaughtered or culled	Total number of animals slaughtered ^(f)	% coverage at animal level	% positive animals /Animal prevalence
1	2	3	4	5	6	7	8	$9 = (4/3) \times 100$	$10 = (6/4) \times 100$
Estonia	242462	127137	127137	127137	3	3	3	100	0,002
Total	242462	127137	127137	127137	3	3	3	100	0,002

Year: 2006

Situation on date: 31.12.2006

Animal species: Bovis

Disease^(a): Enzootic bovine leucosis

Region ^(b)	Total number of animals ^(c)	Number of animals ^(d) to be tested under the programme	Number of animals ^(d) tested	Number of animals tested individually ^(e)	Number of positive animals	Slaughtering		INDICATORS	
						Number of animals with positive result slaughtered or culled	Total number of animals slaughtered ^(f)	% coverage at animal level	% positive animals /Animal prevalence
1	2	3	4	5	6	7	8	$9 = (4/3) \times 100$	$10 = (6/4) \times 100$
Estonia	252717	133980	122092	122092	13	13	13	91	0,01
Total	252717	133980	122092	122092	13	13	13	91	0,01

Year: 2005

Situation on date: 31.12.2005

Animal species: Bovis

Disease^(a): Enzootic bovine leucosis

Region ^(b)	Total number of animals ^(c)	Number of animals ^(d) to be tested under the programme	Number of animals ^(d) tested	Number of animals tested individually ^(e)	Number of positive animals	Slaughtering		INDICATORS	
						Number of animals with positive result slaughtered or culled	Total number of animals slaughtered ^(f)	% coverage at animal level	% positive animals /Animal prevalence
1	2	3	4	5	6	7	8	$9 = (4/3) \times 100$	$10 = (6/4) \times 100$
Estonia	253223	132752	133980	133980	69	69	69	100,9	0,05
Total	253223	132752	133980	133980	69	69	69	100,9	0,05

Year:2004

Situation on date:31.12.2004

Region ^(b)	Total number of animals ^(c)	Number of animals ^(a) to be tested under the programme	Number of animals ^(a) tested	Number of animals tested individually ^(a)	Number of positive animals	Slaughtering		INDICATORS	
						Number of animals with positive result slaughtered or culled	Total number of animals slaughtered ^(d)	% coverage at animal level	% positive animals Animal prevalence
1	2	3	4	5	6	7	8	9=(4/3)x100	10=(6/4)x100
Estonia	243918	111000	100908	100908	5	5	5	91	0,005
Total	243918	111000	100908	100908	5	5	5	91	0,005

Year:2003

Situation on date:31.12.2003

Region ^(b)	Total number of animals ^(c)	Number of animals ^(a) to be tested under the programme	Number of animals ^(a) tested	Number of animals tested individually ^(a)	Number of positive animals	Slaughtering		INDICATORS	
						Number of animals with positive result slaughtered or culled	Total number of animals slaughtered ^(d)	% coverage at animal level	% positive animals Animal prevalence
1	2	3	4	5	6	7	8	9=(4/3)x100	10=(6/4)x100
Estonia	248160	111000	103146	103146	4	4	4	93	0,004
Total	248160	111000	103146	103146	4	4	4	93	0,004

Year:2002

Situation on date:31.12.2002

Region ^(b)	Total number of animals ^(c)	Number of animals ^(a) to be tested under the programme	Number of animals ^(a) tested	Number of animals tested individually ^(a)	Number of positive animals	Slaughtering		INDICATORS	
						Number of animals with positive result slaughtered or culled	Total number of animals slaughtered ^(d)	% coverage at animal level	% positive animals Animal prevalence
1	2	3	4	5	6	7	8	9=(4/3)x100	10=(6/4)x100
Estonia	254888	125000	110917	110917	14	14	14	89	0,013
Total	254888	125000	110917	110917	14	14	14	89	0,013

Year: 2001

Situation on date: 31.12.2001

Disease^(a): Enzootic bovine leucosis

Animal species: Bovis

Region ^(b)	Total number of animals ^(c)	Number of animals ^(d) to be tested under the programme	Number of animals ^(e) tested	Number of animals tested individually ^(f)	Number of positive animals	Slaughtering			INDICATORS	
						Number of animals with positive result slaughtered or culled	Total number of animals slaughtered ^(g)	% coverage at animal level	% positive animals Animal prevalence $10 \cdot (6.5) \cdot 100$	
1	2	3	4	5	6	7	8	9	(4.7) · 100	10 · (6.5) · 100
Estonia	259860	126000	116722	116722	16	16	16	93		0.013
Total	259860	126000	116722	116722	16	16	16	93		0.013

- (a) Disease and animal species if necessary.
- (b) Region as defined in the approved eradication programme of the Member State.
- (c) Total number of animals existing in the region including eligible herds and non-eligible herds for the programme.
- (d) Includes animals tested individually or under bulk level scheme.
- (e) Include only animals tested individually, do not include animals tested by bulk level samples (for instance: milk bulk tank tests).
- (f) Include all positive animal slaughtered and also the negative animals slaughtered under the programme.

6.2. Stratified data on surveillance and laboratory tests

6.2.1. Stratified data on surveillance and laboratory tests (one table per year and per disease/species)

Year: 2007

Disease^(a): EBL

Animal species/category: Bovis

Description of the used serological tests: Veterinary and Food Laboratory use ELISA AB- testkit (from milk samples). For conformation VFL use immunodiffusion test from blood sample
 Description of the used microbiological or virological tests: not use

Region ^(b)	Serological tests		Microbiological or virological tests		Other tests	
	Number of samples tested ^(e)	Number of positive samples ^(d)	Number of samples tested ^(e)	Number of positive samples ^(d)	Number of samples tested ^(e)	Number of positive samples ^(d)
Estonia	127137	3	0	0	0	0
Total	127137	3	0	0	0	0

(a) Disease and animal species if necessary.

(b) Region as defined in the approved eradication programme of the Member State.

(c) Number of samples tested.

(d) Number of positive samples.

Year: 2006

Disease^(a): Enzootic bovine leucosis

Animal species/category: Bovis

Description of the used serological tests: Veterinary and Food Laboratory use ELISA AB- testkit (from milk samples). For conformation VFL use immunodiffusion test from blood samples
 Description of the used microbiological or virological tests: not use

Region ^(c)	Serological tests		Microbiological or virological tests		Other tests	
	Number of samples tested ^(e)	Number of positive samples ^(d)	Number of samples tested ^(e)	Number of positive samples ^(d)	Number of samples tested ^(e)	Number of positive samples ^(d)
Estonia	122092	13	0	0	0	0
Total	122092	13	0	0	0	0

Year: 2005

Disease^(a): Enzootic bovine leucosis

Animal species/category: Bovis

Description of the used serological tests: Veterinary and Food Laboratory use ELISA AB- testkit (from milk samples). For conformation VFL use immunodiffusion test from blood samples
 Description of the used microbiological or virological tests: not use

Region ^(a)	Serological tests		Microbiological or virological tests		Other tests	
	Number of samples tested ^(d)	Number of positive samples ^(c)	Number of samples tested ^(d)	Number of positive samples ^(c)	Number of samples tested ^(d)	Number of positive samples ^(c)
Estonia	133980	69	0	0	0	0
Total	133980	69	0	0	0	0

Year:2004

Disease^(b): Enzootic bovine leucosis

Animal species/category^(b): Bovis

Description of the used serological tests: Veterinary and Food Laboratory use ELISA AB- testkit (from milk samples). For conformation VFL use immunodiffusion test from blood samples Description of the used microbiological or virological tests: not use Description of the other used tests: not use

Region ^(a)	Serological tests		Microbiological or virological tests		Other tests	
	Number of samples tested ^(d)	Number of positive samples ^(c)	Number of samples tested ^(d)	Number of positive samples ^(c)	Number of samples tested ^(d)	Number of positive samples ^(c)
Estonia	102250	5	0	0	0	0
Total	102250	5	0	0	0	0

Year:2003

Disease^(b): Enzootic bovine leucosis

Animal species/category^(b): Bovis

Description of the used serological tests: Veterinary and Food Laboratory use ELISA AB- testkit (from milk samples). For conformation VFL use immunodiffusion test from blood samples Description of the used microbiological or virological tests: not use Description of the other used tests: not use

Region ^(a)	Serological tests		Microbiological or virological tests		Other tests	
	Number of samples tested ^(d)	Number of positive samples ^(c)	Number of samples tested ^(d)	Number of positive samples ^(c)	Number of samples tested ^(d)	Number of positive samples ^(c)
Estonia	103608	4	0	0	0	0
Total	103608	4	0	0	0	0

Year:2002

Disease^(b): Enzootic bovine leucosis

Animal species/category^(b): Bovis

Description of the used serological tests: Veterinary and Food Laboratory use ELISA AB- testkit (from milk samples). For conformation VFL use immunodiffusion test from blood samples Description of the used microbiological or virological tests: not use Description of the other used tests: not use

Region ^(c)	Serological tests		Microbiological or virological tests		Other tests	
	Number of samples tested ^(d)	Number of positive samples ^(e)	Number of samples tested ^(d)	Number of positive samples ^(e)	Number of samples tested ^(d)	Number of positive samples ^(e)
Estonia	110917	14	0	0	0	0
Total	110917	14	0	0	0	0

Year:2001

Disease^(a): Enzootic bovine leucosis Animal species/category^(b): Bovis

Description of the used serological tests: Veterinary and Food Laboratory use ELISA AB- testkit (from milk samples). For conformation VFL use immunodiffusion test from blood samples Description of the used microbiological or virological tests: not use Description of the other used tests: not use

Region ^(c)	Serological tests		Microbiological or virological tests		Other tests	
	Number of samples tested ^(d)	Number of positive samples ^(e)	Number of samples tested ^(d)	Number of positive samples ^(e)	Number of samples tested ^(d)	Number of positive samples ^(e)
Estonia	116722	16	0	0	0	0
Total	116722	16	0	0	0	0

6.3. Data on infection (one table per year and per disease/species)

Year: 2007

Disease^(a): EBL

Animal species: Bovis

Region ^(b)	Number of herds infected ^(c)	Number of animals infected
Estonia	3	3
Total	3	3

(a) Disease and animal species if necessary.

(b) Region as defined in the eradication programme of the Member State.

(c) Herds or flocks or holdings as appropriate.

Year: 2006

Disease^(a): Enzootic bovine leucosis

Animal species: Bovis

Region ^(b)	Number of herds infected ^(c)	Number of animals infected
Estonia	8	13
Total	8	13

Year: 2005

Disease^(a): Enzootic bovine leucosis

Animal species: Bovis

Region ^(b)	Number of herds infected ^(c)	Number of animals infected
Estonia	8	69
Total	8	69

Year: 2004

Disease^(a): Enzootic bovine leucosis

Animal species: Bovis

Region ^(b)	Number of herds infected ^(c)	Number of animals infected
Estonia	2	5
Total	2	5

Year: 2003

Disease^(a): Enzootic bovine leucosis

Animal species: Bovis

Region ^(b)	Number of herds infected ^(c)	Number of animals infected
Estonia	1	4
Total	1	4

Year: 2002

Disease^(a): Enzootic bovine leucosis

Animal species: Bovis

Region ^(b)	Number of herds infected ^(c)	Number of animals infected
Estonia	5	14
Total	5	14

Year: 2001

Disease^(a): Enzootic bovine leucosis

Animal species: Bovis

Region ^(b)	Number of herds infected ^(c)	Number of animals infected
Estonia	8	16
Total	8	16

6.4. Data on the status of herds at the end of each year¹³

Year: 2007

Disease^(a): EBL

Animal species: Bovis

Region ^(a)	Status of herds and animals under the programme ^(d)																	
	Total number of herds and animals under the programme		Unknown ^(d)		Not free or not officially free from disease		Last check positive ^(e)		Last check negative ^(f)		Free or officially free from disease status suspended ^(g)		Free from disease ^(h)		Officially free from disease ⁽ⁱ⁾			
			Herds	Animals ^(j)	Herds	Animals ^(j)	Herds	Animals ^(j)	Herds	Animals ^(j)	Herds	Animals ^(j)	Herds	Animals ^(j)	Herds	Animals ^(j)	Herds	Animals ^(j)
Estonia	7224	242462	0	0	3	3	7221	242459	3	3	3	3	7221	242459	0	0	0	0
Total	7224	242462	0	0	3	3	7221	242459	3	3	3	3	7221	242459	0	0	0	0

(a) Disease and species if necessary

(b) Region as defined in the approved eradication programme of the Member State

(c) At the end of the year

(d) Unknown: No previous checking results available

(e) Not free and last check positive: Herd checked with at least one positive result in the latest check

(f) Not free and last check negative: Herd checked with negative results in the latest check but not being *Free* or *Officially Free*

(g) Suspended as defined in Community or national legislation for the respective disease at the end of the reporting period.

(h) Free herd as defined in Community or national legislation for the respective disease.

(i) Officially free herd as defined in Community or national legislation for the respective disease.

(j) Include animals under the programme in the herds with the referred status (left column).

Year: 2006

Disease^(a): Enzootic bovine leucosis

Animal species: Bovis

Region ^(a)	Status of herds and animals under the programme ^(c)								
	Total number of herds and animals under the programme		Unknown ^(d)		Not free or not officially free		Free or officially free suspended ^(g)	Free ^(h)	Officially free ⁽ⁱ⁾
			Herds	Animals ^(j)	Last check positive ^(e)	Last check negative ^(f)			

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Only data to provide for bovine tuberculosis, bovine brucellosis, ovine and caprine brucellosis (*B. melitensis*), enzootic bovine leucosis (EBL) and Aujeszky's disease.

	Herds		Animals ^(b)		Herds		Animals ^(b)		Herds		Animals ^(b)		Herds		Animals ^(b)	
	9267	252717	0	0	8	13	9259	252704	8	13	9259	252704	8	13	9259	252704
Estonia	9267	252717	0	0	8	13	9259	252704	8	13	9259	252704	8	13	9259	252704
Total	9267	252717	0	0	8	13	9259	252704	8	13	9259	252704	8	13	9259	252704

Year: 2005

Disease^(a): Enzootic bovine leucosis

Animal species: Bovis

Region ^(b)	Status of herds and animals under the programme ^(c)																							
	Total number of herds and animals under the programme				Unknown ^(d)				Not free or not officially free				Free or officially free suspended ^(e)				Free ^(b)				Officially free ^(f)			
	Herds	Animals ^(b)	Herds	Animals ^(b)	Herds	Animals ^(b)	Herds	Animals ^(b)	Herds	Animals ^(b)	Herds	Animals ^(b)	Herds	Animals ^(b)	Herds	Animals ^(b)	Herds	Animals ^(b)	Herds	Animals ^(b)	Herds	Animals ^(b)	Herds	Animals ^(b)
Estonia	6085	133980	0	0	8	69	6077	133917	8	69	6077	133917	8	69	6077	133917	8	69	6077	133917	6077	133917	6077	133917
Total	6085	133980	0	0	8	69	6077	133917	8	69	6077	133917	8	69	6077	133917	8	69	6077	133917	6077	133917	6077	133917

Year: 2004

Disease^(a): Enzootic bovine leucosis

Animal species: Bovis

Region ^(b)	Status of herds and animals under the programme ^(c)																							
	Total number of herds and animals under the programme				Unknown ^(d)				Not free or not officially free				Free or officially free suspended ^(e)				Free ^(b)				Officially free ^(f)			
	Herds	Animals ^(b)	Herds	Animals ^(b)	Herds	Animals ^(b)	Herds	Animals ^(b)	Herds	Animals ^(b)	Herds	Animals ^(b)	Herds	Animals ^(b)	Herds	Animals ^(b)	Herds	Animals ^(b)	Herds	Animals ^(b)	Herds	Animals ^(b)	Herds	Animals ^(b)
Estonia	5585	111000	0	0	3	5	5582	100903	3	5	5582	100903	3	5	5582	100903	3	5	5582	100903	5582	100903	5582	100903
Total	5585	111000	0	0	3	5	5582	100903	3	5	5582	100903	3	5	5582	100903	3	5	5582	100903	5582	100903	5582	100903

Year: 2002

Disease^(a): Enzootic bovine leucosis

Animal species: Bovis

Region ^(b)	Status of herds and animals under the programme ^(c)															
	Total number of herds and animals under the programme		Unknown ^(d)		Not free or not officially free		Free or officially free suspended ^(e)		Free ^(h)		Officially free ⁽ⁱ⁾					
			Herds	Animals ^(j)	Herds	Animals ^(j)	Herds	Animals ^(j)	Herds	Animals ^(j)	Herds	Animals ^(j)				
Estonia	5961	111000	0	0	1	4	5960	103142	1	4	5960	103142	5960	103142	10314	2
Total	5961	111000	0	0	1	4	5960	103142	1	4	5960	103142	5960	103142	10314	2

Year: 2002

Disease^(a): Enzootic bovine leucosis

Animal species: Bovis

Region ^(b)	Status of herds and animals under the programme ^(c)															
	Total number of herds and animals under the programme		Unknown ^(d)		Not free or not officially free		Free or officially free suspended ^(e)		Free ^(h)		Officially free ⁽ⁱ⁾					
			Herds	Animals ^(j)	Herds	Animals ^(j)	Herds	Animals ^(j)	Herds	Animals ^(j)	Herds	Animals ^(j)				
Estonia	6085	125000	0	0	5	14	6080	110917	5	710	6080	110207	6080	110207	110207	110207
Total	6085	125000	0	0	5	14	6080	110917	5	710	6080	110207	6080	110207	110207	110207

Year:2001

Disease^(a): Enzootic bovine leucosis

Animal species: Bovis

Region ^(b)	Status of herds and animals under the programme ^(c)											
	Total number of herds and animals under the programme		Unknown ^(d)		Not free or not officially free		Free or officially free suspended ^(e)		Free ^(b)		Officially free ^(f)	
	Herds	Animals ^(g)	Herds	Animals ^(g)	Herds	Animals ^(g)	Herds	Animals ^(g)	Herds	Animals ^(g)	Herds	Animals ^(g)
Estonia	6119	126000	0	0	8	16	6111	116706	8	399	6111	116323
Total	6119	126000	0	0	8	16	6111	116706	8	399	6111	116323

7.1. Targets related to testing (one table for each year of implementation)

7.1.1. Targets on diagnostic tests

Disease ^(a) : 2008		Animal species: Bovis			
Region ^(b)	Type of the test ^(c)	Target population ^(d)	Type of sample ^(e)	Objective ^(f)	Number of planned tests
Estonia	AB-Elisa	Dairy cattle	milk	surveillance	112535
	AB-Elisa	All bovine animals aged over 24 months, all bulls in artificial insemination centres	Blood sera	surveillance	23400
		Total			135835

(a) Disease and species if necessary

(b) Region as defined in the approved eradication programme of the Member State

(c) Description of the test (for instance SN-test, AB-Elisa, RBT, ...)

(d) Specification of the targeted species and the categories of targeted animals (for instance sex, age, breeding animal, slaughter animal, ...)

(e) Description of the sample (for instance blood, serum, milk, ...)

(f) Description of the objective (for instance qualification, surveillance, confirmation of suspected cases, monitoring of campaigns, seroconversion, control on deleted vaccines, testing of vaccine, control of vaccination, ...)

7.1.2. Targets on testing herds and animals¹⁴

7.1.2.1 Targets on the testing of herds^(a)

Disease ^(b) : EBL	Animal species: Bovis							TARGET INDICATORS		
	Total number of herds ^(c)	Total number of herds under the programme	Number of herds expected to be checked ^(e)	Number of expected positive herds ^(f)	Number of expected new positive herds ^(g)	Number of herds expected to be depopulated	% positive herds expected to be depopulated	Expected % herd coverage	% positive herds Expected period herd prevalence	% new positive herds Expected herd incidence
1	2	3	4	5	6	7	$8 = (7/5) \times 100$	$9 = (4/3) \times 100$	$10 = (5/4) \times 100$	$11 = (6/4) \times 100$
Estonia	7224	7224	7224	3	1	0	0	100	0,04	0,01
Total	7224	7224	7224	3	1	0	0	100	0,04	0,01

(a) Herds or flocks, or holdings as appropriate.

(b) Disease and animal species if necessary.

(c) Region as defined in the approved eradication programme of the Member State.

(d) Total number of herds existing in the region including eligible herds and non-eligible herds for the programme.

(e) Check means to perform a herd level test under the programme for the respective disease with the purpose of maintaining, upgrading, etc., the health status of the herd. In this column a herd must not be counted twice even if it has been checked more than once.

(f) Herds with at least one positive animal during the period independent of the number of times the herd has been checked.

(g) Herds which status in the previous period was *Unknown*, *Not free-negative*, *Free*, *Officially Free* or *Suspended* and have at least one positive animal in this period.

¹⁴ Data not to provide in case of rabies.

7.1.2.2. Targets on the testing of animals

Disease ^(a) : EBL	Animal species: Bovis										
	Region ^(b)	Total number of animals ^(c)	Number of animals ^(d) under the programme	Number of animals ^(d) expected to be tested	Number of animals to be tested individually ^(e)	Number of expected positive animals	Number of animals with positive result expected to be slaughtered or culled	Slaughtering		TARGET INDICATORS	
	1	2	3	4	5	6	7	Total number of animals expected to be slaughtered ^(f)	Expected % coverage at animal level	% positive animals (Expected animal prevalence)	
Estonia		242462	135835	135835	135835	1	1	1	100	0,0007	
Total		242462	135835	135835	135835	1	1	1	100	0,0007	

(a) Disease and animal species if necessary.

(b) Region as defined in the approved eradication programme of the Member State.

(c) Total number of animals existing in the region including eligible herds and non-eligible herds for the programme.

(d) Includes animals tested individually or under bulk level scheme.

(e) Include only animals tested individually, do not include animals tested by bulk level samples (for instance milk bulk tank tests).

(f) Include all positive animals slaughtered and also the negative animals slaughtered under the programme.

7.2. Targets on qualification of herds and animals¹⁵ (one table for each year of implementation)

Disease ^(a) : EBL	Animal species: Bovis													
	Total number of herds and animals under the programme			Targets on the status of herds and animals under the programme ^(c)						Expected free from disease ^(b)			Expected officially free from disease ^(b)	
	Herds	Animals ^(d)	Animals ^(d)	Expected not free or not officially free from disease		Expected free or officially free from disease status suspended ^(e)		Last check negative ^(d)		Last check positive ^(e)		Herds	Animals ^(d)	Herds
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Estonia	7224	242462	0	0	3	3	7221	242459	3	400	7221	242059	0	0
Total	7224	242462	0	0	3	3	7221	242459	3	400	7221	242059	0	0

(a) Disease and species if necessary

(b) Region as defined in the approved eradication programme of the Member State

(c) At the end of the year

(d) Unknown: No previous checking results available

(e) Not free and last check positive: Herd checked with at least one positive result in the latest check

(f) Not free and last check negative: Herd checked with negative results in the latest check but not being Free or Officially Free

(g) Suspended as defined for the respective disease in Community or national legislation where appropriate or according national legislation.

(h) Free herd as defined for the respective disease where appropriate in Community or national legislation where appropriate or according national legislation

(i) Officially free herd as defined for the respective disease where appropriate in Community or national legislation where appropriate or according national legislation

(j) Include animals under the programme in the herds with the referred status (left column)

8. Detailed analysis of the cost of the programme (one table per year of implementation)

<i>Costs related to</i>	<i>Specification</i>	<i>Number of units</i>	<i>Unitary cost in €</i>	<i>Total amount in €</i>	<i>Community funding requested (yes/no)</i>
<i>1. Testing</i>					
<i>1.1. Cost of the analysis</i>	<i>Test: ELISA AB-tetkit</i>	<i>135835</i>	<i>0,28</i>	<i>38034</i>	<i>Yes</i>
<i>1.2. Cost of sampling</i>	<i>Cost of milk sampling</i>	<i>112435</i>	<i>0,45</i>	<i>50596</i>	<i>No</i>
	<i>Cost of blood sampling</i>	<i>23400</i>	<i>0,96</i>	<i>22464</i>	<i>No</i>
<i>1.3. Other costs</i>	<i>Cost of means to blood sampling</i>	<i>23400</i>	<i>0,32</i>	<i>7488</i>	<i>No</i>
	<i>TOTAL</i>			<i>118582</i>	

Following additional information needs to be provided:

4.4. Measures implemented under the program

A short summary of the measures needs to be provided for each of the paragraphs.

4.4.1. Notification of the disease:

EBI, is notifiable according to the Minister of Agriculture Regulation No. 34 of 25 November 1999 "List of Notifiable Diseases and Diseases subject to Registration".

4.4.2. Target animals and animal population:

All bovine animals in a herd are subjected to laboratory investigation, aiming at retaining and/or restoring officially the enzootic bovine leucosis free health status as ruled by Directive 64/432/EEC. (Regulation by the Ministry of Agriculture No 17 §3 28 February 2007).

4.4.3. Identification of animals and registration of holdings:

All bovine animals in Estonia are covered by State Programme on Monitoring and Surveillance of Animal Infectious Diseases and therefore also by the programme. All bovine animals and holdings in Estonia are registered in the Central register of Agriculture Animals (The Minister of Agriculture Regulation No 88, §1, 18.12.2002).

4.4.4. Qualifications of animals and herds:

A herd is considered as EBL free, if:

- there is no evidence, either clinical or as a result of laboratory tests, of any case of enzootic bovine leucosis in the herd and no such has been confirmed in the previous two year; and all animals over 24 months of age have reacted negatively during the

- preceding 12 months to two tests carried out in accordance with Annex D Chapter II of Directive 64/432, at an interval of at least four months; or
- it meets the requirements of above and is situated in an officially enzootic-bovine-leucosis-free country or region.
- (Regulation by the Ministry of Agriculture No 17 §3, §4 28 February 2007.)

4.4.5. Rules on the movement of animals:

While dispatched, animals must be accompanied with the veterinary certificate, where the basis of their state of health should be verified, certifying that the certain contagious animal diseases transmissible by the relevant animal species has not been detected in the place of the animals origin. On the basis of the Rules on the contagious animal diseases, the trade of bovine animals shall be possible only from a herd that is officially free of EBL. Movements of the sick and injured animals to the slaughterhouse shall be carried out on the basis of a veterinary permission only.

(Regulation on requirements for controlling enzootic leucosis of bovine animals No 17 §6)

4.4.6. Tests used and sampling schemes:

All bovine animals in this herd aged over 24 months of age have reacted negatively during the preceding 12 months to two tests, at an interval of at least four months. In case of dairy cattle, cows shall be checked by a serological examination of milk samples, blood samples are collected from all other bovine animals. All bulls in artificial insemination centres are examined serologically.

(Regulation on requirements for controlling enzootic leucosis of bovine animals No 17 §7)

4.4.7. Vaccines used and vaccination schemes:

Vaccination of bovine animals is forbidden in Estonia.

(Regulation on requirements for controlling enzootic leucosis of bovine animals No 17 §5)

4.4.8. Information and assessment on bio-security measures management and infrastructure) in place in the holdings involved:

While dispatched, animals must be accompanied with the veterinary certificate, where the basis of their state of health should be verified, certifying that the certain contagious animal diseases transmissible by the relevant animal species has not been detected in the place of the animals origin. On the basis of the Rules on the contagious animal diseases, the trade of bovine animals and

animal products and/or products of animal origin shall be possible only from a herd that is officially free of EBL. Movements of the sick and injured animals to the slaughterhouse shall be carried out on the basis of a veterinary permission only.

(Regulation on requirements for controlling enzootic leucosis of bovine animals No 17 §18)

4.4.9. Measures in case of a positive result:

If EBL is confirmed in a herd by laboratory testing, the head of the local agency of the Veterinary and Food Board suspends the status of a leucosis-free herd. According to the control and surveillance program the blood of all bovine animals in a herd over the age of 12 months are subjected to laboratory investigation, aiming at retaining and/or restoring officially the enzootic bovine leucosis free health status as ruled by Directive 64/432/EEC. Bovine animals and the calves of positive cows that are infected with leucosis that react positively to a serological test will be slaughtered immediately under the supervision of the veterinary authorities.

Holdings infected or suspected of being infected with enzootic bovine leucosis are subjected under official restrictions with effective preventive methods against the spread of the disease. This includes strict prohibition of all movement and transportation of animals and persons other than official veterinarians and those concerned with the care of the animals.

It is prohibited to collect, for veterinary or medical purpose, the blood, endocrinological and other organs of bovine animals that are infected with leucosis and of bovine animals that react positively to a serological test. After detecting a tumour, the veterinarian conducting the inspection of meat shall take the necessary samples and send them to a laboratory for histological examination (Regulation by the Ministry of Agriculture No 17 §15 28 February 2007.)

4.4.10. Compensation scheme for owners of slaughtered and killed animals:

In Estonia has not measures and applicable legislation compensation for owners of slaughtered and killed animals

Regulation on requirements for controlling enzootic leucosis of bovine animals No 17

4.4.11. Control on the implementation of the programme and reporting:

The Veterinary and Food Board shall keep a register of the bovine animals and herds that are included in the enzootic leukosis control programme and other bovine animals and herds or that are carriers of leukosis virus or are suspected of leukosis and infected by the leukosis virus over bovine animals slaughtered at the request of the Veterinary and Food Board.

(Regulation on requirements for controlling enzootic leucosis of bovine animals No 17 §16)

6.4. Data on the status of herds at the end of each year

The data on the qualification of the herds are erroneous for the years 2001-2006. Herds can be either not officially free or officially free of EBL (according to the standards of Annex D to Directive 64/432/EC). A correction is necessary 6.4. Data on the status of herds at the end of each year¹

Year: 2007

Disease^(a): EBL

Animal species: Bovis

Region ^(b)	Status of herds and animals under the programme ^(c)																	
	Total number of herds and animals under the programme		Unknown ^(d)		Not free or not officially free from disease		Last check positive ^(e)		Last check negative ^(e)		Free or officially free from disease status suspended ^(f)		Free from disease ^(b)		Officially free from disease ^(d)			
	Herds	Animals ^(g)	Herds	Animals ^(g)	Herds	Animals ^(g)	Herds	Animals ^(g)	Herds	Animals ^(g)	Herds	Animals ^(g)	Herds	Animals ^(g)	Herds	Animals ^(g)		
Estonia	7224	242462	0	0	3	3	7221	242459	3	3	7221	242459	3	3	7221	242459	0	0
Total	7224	242462	0	0	3	3	7221	242459	3	3	7221	242459	3	3	7221	242459	0	0

Year: 2006

Disease^(a): Enzootic bovine leucosis

Animal species: Bovis

Region ^(b)	Status of herds and animals under the programme ^(c)																	
	Total number of herds and animals under the programme		Unknown ^(d)		Not free or not officially free		Last check positive ^(e)		Last check negative ^(e)		Free or officially free suspended ^(f)		Free ^(b)		Officially free ^(h)			
	Herds	Animals ^(g)	Herds	Animals ^(g)	Herds	Animals ^(g)	Herds	Animals ^(g)	Herds	Animals ^(g)	Herds	Animals ^(g)	Herds	Animals ^(g)	Herds	Animals ^(g)		
Estonia	9267	252717	0	0	8	13	9259	252704	8	13	8	13	9259	252704	0	0	0	0
Total	9267	252717	0	0	8	13	9259	252704	8	13	8	13	9259	252704	0	0	0	0

¹ Only data to provide for bovine tuberculosis, bovine brucellosis, ovine and caprine brucellosis (B. melitensis), enzootic bovine leucosis (EBL) and Aujeszky's disease.

Year:2005

Disease^(a): Enzootic bovine leucosis

Animal species: Bovis

Region ^(b)	Status of herds and animals under the programme ^(c)																	
	Total number of herds and animals under the programme		Unknown ^(d)		Not free or not officially free				Free or officially free suspended ^(e)		Free ^(h)		Officially free ⁽ⁱ⁾					
					Last check positive ^(c)		Last check negative ^(c)											
Herds	Animals ^(j)	Herds	Animals ^(j)	Herds	Animals ^(j)	Herds	Animals ^(j)	Herds	Animals ^(j)	Herds	Animals ^(j)	Herds	Animals ^(j)	Herds	Animals ^(j)	Herds	Animals ^(j)	
Estonia	6085	133980	0	0	8	69	6077	133917	8	69	6077	133917	0	0	0	0	0	0
Total	6085	133980	0	0	8	69	6077	133917	8	69	6077	133917	0	0	0	0	0	0

Year:2004

Disease^(a): Enzootic bovine leucosis

Animal species: Bovis

Region ^(b)	Status of herds and animals under the programme ^(c)																	
	Total number of herds and animals under the programme		Unknown ^(d)		Not free or not officially free				Free or officially free suspended ^(e)		Free ^(h)		Officially free ⁽ⁱ⁾					
					Last check positive ^(c)		Last check negative ^(c)											
Herds	Animals ^(j)	Herds	Animals ^(j)	Herds	Animals ^(j)	Herds	Animals ^(j)	Herds	Animals ^(j)	Herds	Animals ^(j)	Herds	Animals ^(j)	Herds	Animals ^(j)	Herds	Animals ^(j)	
Estonia	5585	111000	0	0	3	5	5582	100903	3	5	5582	100903	0	0	0	0	0	0
Total	5585	111000	0	0	3	5	5582	100903	3	5	5582	100903	0	0	0	0	0	0

Year:2003

Disease^(a): Enzootic bovine leucosis

Animal species: Bovis

Region ^(b)	Status of herds and animals under the programme ^(c)														
	Total number of herds and animals under the programme			Unknown ^(a)			Not free or not officially free			Free or officially free suspended ^(d)		Free ^(b)		Officially free ^(a)	
	Herds	Animals ⁽ⁱ⁾	Animals ⁽ⁱ⁾	Herds	Animals ⁽ⁱ⁾	Animals ⁽ⁱ⁾	Herds	Animals ⁽ⁱ⁾	Animals ⁽ⁱ⁾	Herds	Animals ⁽ⁱ⁾	Herds	Animals ⁽ⁱ⁾	Herds	Animals ⁽ⁱ⁾
Estonia	5961	111000	0	0	1	4	5960	103142	1	4	5960	103142	0	0	0
Total	5961	111000	0	0	1	4	5960	103142	1	4	5960	103142	0	0	0

Year:2002

Disease^(a): Enzootic bovine leucosis Animal species: Bovis

Region ^(b)	Status of herds and animals under the programme ^(c)														
	Total number of herds and animals under the programme			Unknown ^(a)			Not free or not officially free			Free or officially free suspended ^(d)		Free ^(b)		Officially free ^(a)	
	Herds	Animals ⁽ⁱ⁾	Animals ⁽ⁱ⁾	Herds	Animals ⁽ⁱ⁾	Animals ⁽ⁱ⁾	Herds	Animals ⁽ⁱ⁾	Animals ⁽ⁱ⁾	Herds	Animals ⁽ⁱ⁾	Herds	Animals ⁽ⁱ⁾	Herds	Animals ⁽ⁱ⁾
Estonia	6085	125000	0	0	5	14	6080	110917	5	710	6080	110207	0	0	0
Total	6085	125000	0	0	5	14	6080	110917	5	710	6080	110207	0	0	0

Year:2001

Disease^(a): Enzootic bovine leucosis Animal species: Bovis

Region ^(b)	Status of herds and animals under the programme ^(c)		
	Total number of	Unknown ^(a)	Free or officially free ^(b)

	herds and animals under the programme		Last check positive ^(a)		Last check negative ^(a)		Free suspended ^(a)					
	Herds	Animals ^(b)	Herds	Animals ^(b)	Herds	Animals ^(b)	Herds	Animals ^(b)	Herds	Animals ^(b)		
Estonia	6119	126000	0	0	6111	116706	8	399	6111	116323	0	0
Total	6119	126000	0	0	6111	116706	8	399	6111	116323	0	0