



EUROPEAN COMMISSION
HEALTH & CONSUMERS DIRECTORATE-GENERAL
Unit 04 - Veterinary Control Programmes

SANCO/10379/2009

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

Monitoring and eradication programme of TSE, BSE and scrapie

Approved* for 2010 by Commission Decision 2009/883/EC

The Netherlands

* in accordance with Council Decision 2009/470/EC

Standard requirements for the submission of national programmes of eradication and monitoring of TSEs¹ as referred to in Article 1(c)

1. Identification of the programme

Member State: Netherlands
Disease(s)²: TSE
Year of implementation: 2010
Reference of this document:
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Date sent to the Commission:

2. Description of the programme

- Monitoring BSE/TSE in accordance with annex III of Regulation 999/2001/EC: including for bovine animals all healthy slaughtered animals over 30 months, fallen stock over 24 months, emergency slaughter over 24 months (animals killed for emergency reasons outside the slaughterhouse under supervision of a practitioner and animals slaughtered at an emergency/sanitary slaughterhouse for sanitary reasons) and for ovine and caprine animals a random sample in accordance with annex III of Regulation 999/2001/EC of healthy slaughtered animals over 18 months and fallen stock over 18 months;
- Discriminatory testing in accordance with annex X of Regulation 999/2001/EC;
- Genotyping of positive and randomly selected animals in accordance with annex III of Regulation 999/2001/EC;
- Eradication of BSE in affected bovine herds in accordance with annex VII of Regulation 999/2001/EC;
- Eradication of TSE in affected ovine and caprine herds in accordance with annex VII of Regulation 999/2001/EC. The killing and destruction of ovine and caprine animals with the exception of genetically resistant animals as set out in annex VII point 2.(b) (ii);
- Breeding programme for resistance to TSE in sheep as established in Annex VII of Regulation 999/2001/EC.

¹ Bovine Spongiform Encephalopathy (BSE), Scrapie and Chronic Waste Disease (CWD).

² One document per disease is used unless all measures of the programme on the target population are used for the control and eradication of different diseases.

3. Description of the epidemiological situation of the disease

Both BSE in bovines and TSE's in small ruminants are endemic in the Netherlands.

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:

Ministry of Agriculture, Nature and Food Quality
Department of Food Quality and Animal Health

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

The programmes are applicable to the entire country.

4.3. System in place for the registration of holdings:

Bovine, ovine and caprine animals:

System in accordance with 92/102/EC article 3, paragraph 1, (a) until 7 July 2005. After this date a system in accordance with 21/2004/EC, article 7, paragraph 1.

4.4. System in place for the identification of animals:

Bovine animals:

System in accordance with 1760/2000/EC, article 4. Mandatory identification however is foreseen within three working days (paragraph 2).

Ovine and caprine animals:

System in accordance with 92/102/EC, article 5, paragraph 3 until 7 July 2005. After this date a system for the identification of new born lambs in accordance with 21/2004/EC, article 4, paragraph 2, (a) and (b).

4.5. Measures in place as regards the notification of the disease:

Notification of both BSE in bovine animals and TSE's in small ruminants is mandatory for veterinarians and owners in accordance with article 15 of the Dutch Animal Health and Welfare Act.

4.6. Monitoring

4.6.1. Monitoring in Bovine Animals

	Estimated Number of tests
Animals referred to in Annex III, Chapter A, Part I, points 2.1, 3 and 4 of Regulation (EC) No 999/2001 of the European Parliament and of the Council	45.000
Animals referred to in Annex III, Chapter A, Part I, point 2.2 of Regulation (EC) No 999/2001	320.000
Others (specify)	0

4.6.2. Monitoring in Ovine animals

	Estimated Number of tests
Ovine animals referred to in Annex III, Chapter A, Part II, point 2 of Regulation (EC) No 999/2001	10.000
Ovine animals referred to in Annex III, Chapter A, Part II, point 3 of Regulation (EC) No 999/2001	10.000
Ovine animals referred to in Annex III, Chapter A, Part II, point 5 of Regulation (EC) No 999/2001	750
Ovine animals referred to in Annex VII, Chapter A, point 3.4(d) of Regulation (EC) No 999/2001	500
Ovine animals referred to in Annex VII, Chapter A, point 5(b)(ii) of Regulation (EC) No 999/2001	50
Others (specify other animal species referred to in Annex III, Chapter A, Part III of Regulation (EC) No 999/2001	0

4.6.3. Monitoring in Caprine animals

	Estimated Number of tests
Caprine animals referred to in Annex III, Chapter A, Part II, point 2 of Regulation (EC) No 999/2001	200
Caprine animals referred to in Annex III, Chapter A, Part II, point 3 of Regulation (EC) No 999/2001	500
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, point 3.3(c) of Regulation (EC) No 999/2001	0
Caprine animals referred to in Annex VII, Chapter A, point 5(b)(ii) of Regulation (EC) No 999/2001	0
Others (specify)	0

4.6.4. 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	20

4.6.5. Genotyping of positive and randomly selected animals

	Estimated number of tests
Animals referred to in Annex III, Chapter A, Part II, point 8.1 of Regulation (EC) No 999/2001	20
Animals referred to in Annex III, Chapter A, Part II, point 8.2 of Regulation (EC) No 999/2001	600

4.7. Eradication

4.7.1. Measures following confirmation of a BSE case:

4.7.1.1. Description:

- Negative test-results will be reported on the day of testing by e-mail to The Food and Consumer Product Safety Authority (VWA) in the region where the samples were collected. A positive test result (by the rapid BSE-test) will be reported to the Chief Veterinary Officer and the director of the VWA
- Confirmation of samples of animals diagnosed positive by the rapid BSE-test will be done by histopathology and immunohistochemistry on the obex half that was fixed in formalin. The Central Veterinary Institute (CVI-Lelystad), will perform these confirmatory tests. In case of severe sample autolysis, when histology is not feasible, samples will be diagnosed by another EC-evaluated and accredited rapid BSE-testing method.
- When a rapid test turns out positive, the animal is declared 'suspect'. In case the sample originates from a slaughtered animal, the carcass and all other parts of the animal stay under restriction, or they are treated as SRM. Furthermore the farm of origin is placed under official supervision with the consequence no animal or animal product may enter or leave the farm.
- When a confirmation turns out positive, the director of CVI-Lelystad will inform the Chief Veterinary Officer and the director of the VWA. When still remaining, the carcass and other parts of the animal are treated as SRM. Furthermore, measurements will be taken in accordance with those described for BSE-cases in the BSE-protocol (tracing and testing of family group, birth cohort, if applicable feed cohort).

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:	20

4.7.2. Measures following confirmation of a Scrapie case:

4.7.2.1. Description:

Identification of risk animals in accordance with annex VII, point 1 (b). Genotyping of all sheep with unknown genotypes. Killing and destruction of all TSE-sensitive animals. Sampling for rapid testing in accordance with Annex III, part II, point 4. The affected holding will stay under supervision for a period as set out in Annex VII point 6.

4.7.2.2. Summary table

	Estimated number
Animals to be killed under the requirements of Annex VII, Chapter A, point 2.3 of Regulation (EC) No 999/2001:	300
Animals to be genotyped under the requirements of Annex VII, Chapter A, point 2.3 of Regulation (EC) No 999/2001:	400

4.7.3. Breeding programme for resistance to TSEs in sheep

4.7.3.1. General description³:

The Netherlands will carry out the "Scrapiecontrol programme in the sheep industry in the Netherlands" already approved by the Commission in 1998 and 2001 (accelerated programme).

4.7.3.2. Summary table

	Estimated number
Ewes to be genotyped under the framework of a breeding programme referred to in Article 6a of Regulation (EC) No 999/2001	5.000
Rams to be genotyped under the framework of a breeding programme referred to in Article 6a of Regulation (EC) No 999/2001	5.000

5.

Costs

5.1. Detailed analysis of the costs:

Bovine animals

Monitoring costs are based on a protocol that includes the execution of rapid tests on bovine animals at five days a week during 52 weeks per year by private laboratories (tests performed on “emergency slaughter” and “normal slaughter” - samples). The average unitary costs include:

Specification unitary costs BSE-testing:	Costs per unit
Testkit	€ 3,79
Materials	€ 0,54
Handling & Logistics	€ 3,88
TOTAL costs per unit	€ 8,21

Bovine, ovine, caprine animals

Monitoring costs are based on a protocol that includes:

- the rapid tests on bovine animals at five days a week during 52 weeks per year by CVI-Lelystad (tests performed on “fallen stock”- samples);
 - the rapid tests on ovine and caprine at five days a week during 52 weeks per year by CVI-Lelystad (all tests).
- The unitary costs include:

Specification unitary costs TSE-testing:	Costs per unit
Testkit	€ 5,00
Materials	€ 6,50
Handling & Logistics	€ 13,50
TOTAL costs per unit	€ 25,00

Genotype tests

Genotyping costs are based on a protocol that includes genotype testing at five days a week during 52 weeks per year by CVI-Lelystad and GID Deventer.

5.2. Summary of the costs

	Costs related to	Specification	Number of units	Unitary cost in EUR	Total amount in EUR	Community funding requested (yes/no)
1.	BSE testing ⁴					
1.1.	Rapid tests	Test:	320.000	€ 8,21	€ 2.627.200	Yes
		Test: Prionics-Check Western test	45.000	€ 25	€ 1.125.000	Yes
2.	Scrapie testing ⁵					
2.1.	Rapid tests	Test: Prionics-Check Western Small Ruminant test	22.000	€ 25,00	€ 550.000,00	Yes
3.	Discriminatory testing ⁶					
3.1.	Primary molecular tests	Test: VLA differentiating immunoblot	20	€ 100,00	€ 2.000,00	Yes

⁴ As referred to in point 4.6.1.

⁵ As referred to in points 4.6.2 and 4.6.3.

⁶ As referred to in point 4.6.4.

4. Genotyping						
4.1.	Determination of genotype of animals in the framework of the monitoring and eradication measures laid down by Regulation (EC) No 999/2001 ⁷	Method: RT-PCR/Tagman	1.020	€ 9,30	€ 9,486	Yes
4.2.	Determination of genotype of animals in the framework of a breeding programme ⁸	Method: Pyrosequencing	10.000	€ 28,94	€ 289,385	Yes
5. Compulsory Slaughter						
5.1.	Compensation for bovine animals to be killed/slaughtered under the requirements of Annex VII, Chapter A, point 2.1 of Regulation (EC) No 999/2001		10	€ 1.200	€ 12.000	Yes
5.2.	Compensation for ovine and caprine animals to be killed/slaughtered under the requirements of Annex VII, Chapter A, point 2.3 of Regulation (EC) No 999/2001		300	€ 114	€ 34.112	Yes
TOTAL					€ 4.649.183,17	Yes

7 As referred to in points 4.6.5 and 4.7.2.2.

8 As referred to in point 4.7.3.2.

2008 TSE MONITORING

Member state: **Nederland**

Exchange rate (1)

Measures eligible for co-financing

Real Costs	BSE	SHEEP	GOAT	CERVID	DISCRIM. TESTS	TOTAL
Number of test	481.869	20.684	660	154	12	503.379
Real unit cost	5,00 €	25,00 €	25,00 €	34,13 €	125,00 €	N.A.
Total cost	2.409.345,00 €					2.409.345,00 €
Eligible costs	BSE	SHEEP	GOAT	CERVID	DISCRIM. TESTS	TOTAL in €
Number of tests within eligible age limit (2)	481.520	20.594	659	154	12	
Unit cost up to ceiling (3)	5,00 €	25,00 €	25,00 €	34,13 €	125,00 €	N.A.
Total cost	2.407.600,00 €	514.850,00 €	16.475,00 €	5.256,02 €	1.500,00 €	2.945.681,02 €

Maximum amount set in Decision 2007/782/EC of 30 November 2007

3.150.000,00

Amount requested

2.945.681,02

(1) Exchange rate set by the European Central Bank prior to the first day of the month in which the application is submitted

(2) Age limit -

Bovines: Regulation 999/2001 Annex III Chapter A Part I Points 2 & 3

Sheep & Goats: Regulation 999/2001 Annex III Chapter A Part II points 2 to 5

(3) Ceilings per carried-out test:

Bovines: 5 €

Ovine and Caprines: 30 €

cervids: 50 €

molecular discriminatory: 175 €

2008 BSE ERADICATION

Member state: Nederland

Exchange rate (1)

Measures eligible for co-financing (1)

Compensation over 1000 € per animal	500,00 €
Number of animals concerned	3
Number of animals concerned compensated <90 days	3
Number of animals concerned compensated between 91-120 days	
Number of animals concerned compensated between 121-150 days	
Number of animals concerned compensated between 151-180 days	
Number of animals concerned compensated between 181-210 days	
Number of animals concerned compensated between >211 days	
Subtotal	1.500,00 €
Compensation under 1000 € per animal	50%
Total amount of compensation paid at 100%	3.361,18 €
Number of animals concerned	5,00 €
Amount of compensation paid <90 days	2.861,18 €
Amount of compensation paid between 91-120 days	
Amount of compensation paid between 121-150 days	500,00 €
Amount of compensation paid between 151-180 days	
Amount of compensation paid between 181-210 days	
Amount of compensation paid between >211 days	
Subtotal	1.680,59 €
Total for culling measures	3.180,59 €
Maximum amount set in Decision 2007/782/EC of 30 November 2007	50.000,00 €
Amount requested	3.180,59 €

(1) Exchange rate set by the European Central Bank prior to the first day of the month in which the application is submitted

2008 SCRAPIE ERADICATION

Member state: **Nederland**

Exchange rate (1)

Measures eligible for co-financing (1)

1. Culling	
Compensation over 200 € per animal	100,00 €
Number of animals concerned	0
Number of animals concerned compensated <90 days	
Number of animals concerned compensated between 91-120 days	
Number of animals concerned compensated between 121-150 days	
Number of animals concerned compensated between 151-180 days	
Number of animals concerned compensated between 181-210 days	
Number of animals concerned compensated between >211 days	
<i>Subtotal</i>	0,00 €
Compensation under 200 € per animal	50%
Total amount of compensation paid at 100%	34794,34
Number of animals concerned	306
Amount of compensation paid <90 days	32488,34
Amount of compensation paid between 91-120 days	2000
Amount of compensation paid between 121-150 days	
Amount of compensation paid between 151-180 days	
Amount of compensation paid between 181-210 days	
Amount of compensation paid between >211 days	
<i>Subtotal</i>	17.397,17 €
(1) Total for culling measures	17.397,17 €
2. Genotyping	
Total real costs	154120,8
Number of tests	5961
Real unit Cost at 100%	25,85 €
Real unit Cost at 50%	12,93 €
Eligible unit cost up to ceiling (2)	10,00 €
(2) Total eligible for genotyping	59.610,00 €
TOTAL ELIGIBLE (1) + (2)	77.007,17 €
Maximum amount set in Decision 2007/782/EC of 30 November 2007	258.000,00 €
Amount requested	77.007,17 €

(1) Exchange rate set by the European Central Bank prior to the first day of the month in which the application is submitted

(2) 50% with a maximum of

10 €