



TSE SURVEILLANCE IN ESTONIA

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National Centre for Laboratory Research and Risk Assessment (LABRIS)

- Animal health
- Risk Assessment
- Feed and Food Safety

Accreditation in compliance with EVS-EN ISO/IEC 17025
National Reference Laboratory (30 authorized areas according to the EU/2017/625)

Central Laboratory in Tartu, 2 regional laboratories in Tallinn and Kuressaare, sample collection in Rakvere.

LABRIS is National Reference Laboratory for animal health, including TSEs
•Surveillance and monitoring of BSE and Scrapie since 2001

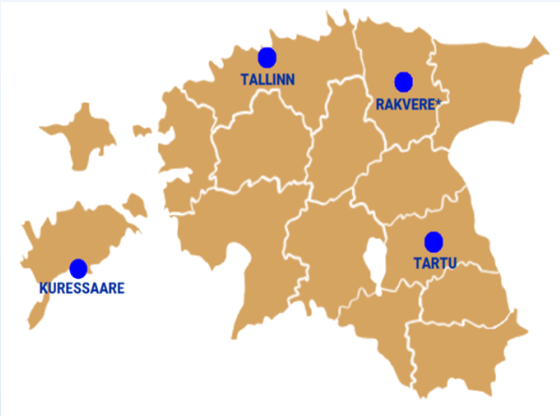
Diagnostic methods used at LABRIS
Department of Virology–serology - IDEXX HerdCheck BSE-Scrapie Ag Test (EIA)
Department of Bacteriology–pathology - histopathology and immunohistochemistry

Estonian University of Life Sciences, Department of Animal Genetics and Breeding - Genotyping

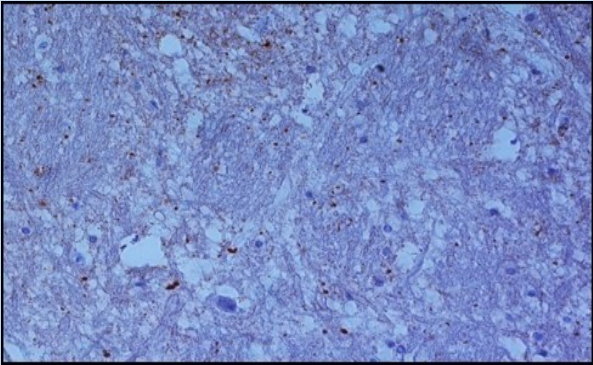
TSE surveillance in Estonia, number of samples per year

	Bovine	Ovine	Caprine	Wilde cervids*	Mink	Totally
2001	886	3	1	0	0	890
2002	1735	18	3	0	0	01756
2003	1935	10	0	0	0	1945
2004	29102	404	9	0	0	29515
2005	31109	1253	12	0	0	32379
2006	33748	2403	61	0	0	36212
2007	35316	2918	55	29	0	38318
2008	33613	745	11	7	0	34376
2009	32815	654	6	1	0	33476
2010	28926	718	9	0	0	29653
2011	18081	850	10	0	14	18941
2012	11071	572	10	0	31	11653
2013	4736	246	2	0	30	4984
2014	4225	181	14	0	30	4420
2015	3633	227	18	0	25	3878
2016	3573	300	22	1	14	3896
2017	3385	380	57	0	0	3822
2018	3604	253	11	230	0	4086
2019	3666	325	35	471	0	4497
2020	3709	235	6	1457	0	5401
2021	3311	184	6	33	0	3534
2022	3012	136	2	4	0	3154
2023	3025	106	5	6	2	3142

* Roe deer (*Capriolus capriolus*), red deer (*Cervus helapus*), european elk (*Alces alces*), cervids from zoo



Two Nor98 cases in Estonian sheep herds in 2010 and 2011.
Both positive sample were dedected by passive surveillance programm.
Tests used for diagnosis Bio-Rad TeSeE and IDEXX HerdCheck - positive for Scrapie
For confirmatory testing was made IHC and results were confirmed by VLA - Atypical scrapie (Nor98)



Obex, MA b F89 VMRD

