

## THE COSTS ON INVESTIGATION OF BOVINE VIRAL DISEASES IN LITHUANIA IN 2000-2004

Jonas Milius<sup>1</sup>, Kazimieras Lukauskas<sup>2</sup>, Vytas Tamošiūnas<sup>3</sup>

<sup>1</sup>*Nacionalinė veterinarijos laboratorija, Kairiūkščio g. 10, LT-08409 Vilnius;*

*tel. (8~5) 278 0470; el. paštas: jmilius@nvl.lt*

<sup>2</sup>*Lietuvos veterinarijos akademija, Tilžės g. 18, LT-47181 Kaunas;*

*tel. (8~5) 240 4361; el. paštas: klukauskas@vet.lt*

<sup>3</sup>*Vilniaus universiteto Imunologijos institutas, Molėtų pl. 29, LT-08409 Vilnius;*

*tel. (8~5) 246 9231; el. paštas: vat@imi.lt*

**Summary.** The aim of this study was to analyse the costs of bovine viral disease diagnosis and control measures in Lithuania during the period of 2000-2004. The diagnostic tests were performed at the National Veterinary Laboratory and regional veterinary laboratories. It comprised human resources (salary), costs for laboratory diagnostical tests (laboratory premises - preparative work and exploitation – dishes, reagents, diagnostic kits) and costs for the prophylaxis, i.e. vaccination. Analysing the costs spent on separate bovine viral diseases, such as infectious rhinotracheitis, rabies, enzootic leucosis, viral diarrhoea and spongiform encephalopathy we found out that the highest amount (9744071 LT) was spent to diagnose bovine spongiform encephalopathy. For the aim of prophylaxis in 2000-2004 the highest costs were used for bovine rabies vaccination (657200 LT). For elimination of the disease the most funds were spent on bovine leucosis (2827853 LT). The lowest amounts of funds were spent for diagnosis and control of bovine infectious rhinotracheitis (132832 LT) and bovine viral diarrhoea. However, the latter two were analysed to a smaller extent in comparison with bovine spongiform encephalopathy (90 667 tests) or bovine enzootic leucosis (2 827 853 tests). During the period of investigation only 14 894 cases of bovine viral diarrhoea and 15 268 cases of infectious rhinotracheitis were performed.

**Keywords:** costs, diagnosis, prophylaxis, bovine viral diarrhoea, enzootic leucosis, rabies, infectious rhinotracheitis.