

THE PREVALENCE OF *LEPTOSPIRA* SEROVARS AMONG CATTLE IN LITHUANIA

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Summary. The aim of this investigation was to define consistent pattern of distribution of leptospira serogroups in cattle and to establish geographical distribution of *Leptospira* in Lithuania. Laboratory investigations were carried out by micro-agglutination test. The results showed that antibodies against *Leptospira* Grippotyphosa (32.46 %), *Leptospira* Hebdomadis (25.42 %) ser. Kabura and *Leptospira* Sejroe (18.98 %) ser. Poland were the most prevalent in cattle blood sera. Highest serological diversity of different leptospira serogroups were observed at the Central and Northern counties of the republic. Only one serogroup – *Leptospira* Grippotyphosa was found at the Klaipėda county. *Leptospira* Tarrasovi was found only at Panevėžys county and were did not detected at any other county. In Lithuania about 7% of all tested cattle had antibody titers against Leptospira. This level was observed yearly independent of the number of tested animals.

Key words: cattle, *Leptospira*, serogroup, leptospirosis, Lithuania, micro-agglutination.