

## COMPARATIVE DIAGNOSTIC TESTING OF BRUCELLOSIS IN LITHUANIA

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**Summary.** The blood sera from cattle, sheep, goats and hares were taken for the comparative diagnostic studies of brucellosis in Lithuania. The reaction of agglutination (Agg), complement fixation (CFT) and enzyme linked immunoferrment assay (ELISA) were used. The comparative analysis of 2 330 samples was performed, which were 1 262 blood sera samples from cattle, 749 from sheep, 102 from goats and 217 from wildlife. The different diagnostic methods showed that only 12 sera samples from cattle and 1 sample from wildlife were different. Although, by Agg test 11 samples and by CFT 5 samples were positive, however, the ELISA test was negative in all samples. ELISA test, by use International standart serum (BgVV, Germany), showed low OD of 12 cattle sera, however, OD of 1 hare serum sample was high. Further, the hare serum sample was positive to *Brucella abortus*.

**Keywords:** brucellosis, animals, diagnostics, serological reaction, comparable testing.