

INVESTIGATIONS OF BOVINE LEUCOSIS AND INFECTIOUS BOVINE RHINOTRACHEITIS VIRUSES IN BLOOD SERUM OF FETAL CALVES

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Summary. Some part of productive cows in Lithuania is contaminated with bovine leucosis and infectious bovine rhinotracheitis viruses. In order to estimate the possibilities of vertical transmission of these viruses, the fetal calf serum was examined. It was determined that the bovine leucosis virus (0,68 %) and the infectious bovine rhinotracheitis virus (0,64 %) penetrate into the fetal calves; the placenta is an excellent protector from viral infection. Virus contamination of fetal calves has no correlation with their mothers' infection.

Keywords: virus, antibody, fetus, fetal calf serum.