

BLOOD TESTS OF COWS AND COW FOETUSES INFECTED WITH BOVINE LEUKOSIS VIRUS

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Summary. The aim of the investigation was to determine cases of infection with bovine leukosis virus (BLV) of cow 3-9 month-old foetuses and the changes in the amount of leukocytes in their blood depending on the state of the cow health with regard to bovine leukosis. 42 cows and 45 foetuses were haematologically examined, AGID was done for 38 cows and 144 foetuses, ELISA was done for 22 cows and foetuses.

The results of the investigation revealed that from 0,69 % (AGID test) to 4,5 % (ELISA test) of cow foetuses may have antibodies against BLV. The haematological state of their mothers had no tangible influence on the amount of leukocytes and lymphocytes in foetuses. Nevertheless, it should be noted that the amount of lymphocytes in cow foetuses is rather high: from 78,3 % in haematologically sound cow foetuses to 84,5 % in haematologically ill foetuses with regard to bovine leukosis. The assumption that the vertical way of convergence of leukosis is not the major one is proved.