

SPREAD AND SPECIFIC HUMORAL IMMUNITY OF BROILER VIRUS DISEASES

Rasa Aukštikalnienė, Ona Kublickienė, Antanas Vyšniauskas

Summary. Antibodies against Newcastle, Gumboro, infectious bronchitis, encephalomyelitis, reovirus infections, chicken infectious anemia diseases were found in the blood sera of vaccinated broiler breeders and broilers in 82.47 to 96.66% of the cases by ELISA method. The antibody titres vary according to the age of the broilers and the vaccination scheme. Antibody titres particularly increase after the vaccination of broiler breeders with inactivated vaccines. The effectiveness of vaccination was over 80 %, however some birds did not acquire immunity and individual cases of virus diseases were registered in the bird flocks indoor investigation. Possible incidence of virus diseases increases in cases of mixed infections.

Keywords: Newcastle, Gumboro, infectious bronchitis, encephalomyelitis, reovirus infections, chicken infectious anemia diseases, ELISA method, antibody titres.