

ACTIVITY IMMUNOGENIC RABIES VACCINE ASSESSMENT METHOD IN VIEW OF IMMUNOSUPPRESSIVE STATES IN ANIMALS.

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Immunogenic activity, method NIH, inactivated rabies vaccine, rabies antibody, immunosuppression.

The article represents results of a study of the formation dynamics of specific antibodies rabies in white mice with induced immunosuppression after inoculation of rabies vaccine. Found that the most negative impact on the animals took place against a background of doksorubitsyn immunosuppression where antibodies are practically not formed. In assessing the immunogenic activity of rabies vaccines with regard to immunosuppressive state in animals was found to be immunogenic activit of rabies vaccineis 0,9 IU/dose, and the study of the classical method – 1,4 IU/dose. The aim was to conduct determination immunogenic activity rabies vaccines that would account immunosuppressive state in animals.

Materials and methods. Rabies vaccine. For the production experiment to determine the immunogenicity of rabies vaccines used reference rabies vaccine, inactivated, which is the industry standard model immunogenicity of rabies vaccine, calibrated on the 4th international standard. Research was inactivated rabies series of commercial vaccines (2 series).

Rabies virus. International reference strain CVS, deposited in DNKIBSHM. Infectious titer MLD₅₀ 7,0-7,8 lg / cm³.

Animals, induction immunosuppression immunization. For the experiment used outbred white mice chotyrotyzhnevoho age, weight 12-14 g Animals On A analogues were divided into 6 groups (40 mice each) .Tvarynam first group was administered once Endoksan, 200 mg / kg; the second group - Endoksan, once, at a dose of 100 mg / kg; the third group - Endoksan, twice, at intervals of 1 day, 50 mg / kg; fourth group - Doxorubicin, three times at a dose of 3 mg / kg; five groups - Doxorubicin, three times at a dose of 2 mg / kg body weight. The sixth group was the control. On the 5th day of the experiment all animals immunized with rabies vaccine. At 7, 14, 21 and 28 days after immunization was performed and blood sampling were determined in serum levels of specific antibodies to rabies virus by TF-ELISA.

Diagnostic kit Platelia Rabies Kit II for the determination of rabies antibodies production BIO RAD (USA)