

FEATURES EPIZOOTIC INFECTIOUS PROCESS FUZOBAKTERIOSIS PIGS IN UKRAINE.

OM Zhovnir, MS Yushchenko, applicants *

O.I.Horbatyuk, Doctor of Veterinary Science

VP Ryzhenko Doctor of Veterinary Sciences, Professor,

Corresponding Member. NAAS

Institute of Veterinary Medicine NAAS

Nekrobakteriosis, fuzobakteriosis, associations of microbes, vaccine.

Aim of researches. - To examine the main problems fuzobakteriozu pigs in Ukraine, to develop tools specific protection of animals make their approbation.

Material and methods research. In experiments used isolated from patients with swine pathogens *F.necrophorum* and *S.choleraesuis*, culture media made by its own recipes laboratory animals: white mice weighing 16,0-18,0 g guinea pigs weighing 300,0-500,0 g , rabbits weighing 2.0-2.5 kg, pigs of different age groups (piglets from 10 days of age 2 months, piglets of 2-4 months. pigs aged 4-6 months. Blank sows and gestating different periods , boars), only about 10 thousand. heads. Most experiments performed in PCB "Prydonetske" Kuibyshev district of Zaporozhye region and at other farms.

For bacteriological studies selected pathological material (the affected ear, tongue ulcers affected, pieces of liver, lung and kidney); culture media enriched with 15% swine serum; isolated bacterial cultures; made us samples of the vaccine "Nekrosalm" and "Nekrokolisalm" checked for sterility, harmlessness and immunogenicity in vitro; blood samples and serum from vaccinated and control piglets. In experiments used epizootological clinical, haematological, biochemical and immunological research methods. For specific animal protection developed two experimental models of vaccines: Vaccine "Nekrosalm" (Necrosalm) associated concentrated inactivated nekrobakteriozu against salmonellosis and animals (Ukraine Patent 18335 A IPC 7A61K 39/00. 15.01.2007 Bull. № 1). It is a mixture

of antigens vidseleksionovanyh inactivated strains of epizootic relevant microorganisms in optimal proportions, adaptogens and immunomodulating agents of natural origin. The vaccine was first custom PCB "Prydonetske" Zaporozhye region. Vaccinations covered stock of healthy and sick animals. The use of vaccines paved the way for the recovery of households ers of mixed infections fuzobakteriozu and salmonellosis;

vaccine "Nekrokolisalm" (Necrocolisalm) - associated inactivated against centered nekrobakteriozu (fuzobakteriozu), colibacillosis and Sal-monelozu animals (patent Ukraine 18 332 A IPC 7A61K 39/00 15.11.2006 Bull. № 11). The vaccine is highly specific performance, while ensuring the formation of immunity against diseases for-3.

These vaccines can be used weak and sick animal-us for therapeutic purposes. Permission to use the vaccine obtained in due course only after receiving positive results of the study vaccine in the laboratory

The paper presents the results of their research fuzobakteriosis (nekrobakterisis) pigs in Ukraine, for development and testing of specific animal welfare associated inactivated vaccines "Nekrosalm" and "Nekrokolisalm" application which provides both prevention of disease 2-3.

