

PEER-REVIEW

OF MONOGRAPH OF V. S. RUSALEYEV, O. V. PRUNTOVA, D. A. LOZOVY
“*ACTINOBACILLUS PLEUROPNEUMONIAE* IN PIGS”. – VLADIMIR:
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Actinobacillus pleuropneumonia infection is a wide spread contagious disease characterized by septico-toxemia, hemorrhagic, fibrinous-hemorrhagic and fibrinous-necrotic pneumonia as well as serofibrinous pleurisy, pericarditis and arthritis. The disease is caused by *Actinobacillus pleuropneumoniae* bacterium. The infection-associated economic losses comprise costs due to animal mortality and emergency slaughter, animal production loss and expenditures for the implementation of the disease prevention and eradication measures. The EU members annually spend billion euros on the disease prevention and control.

Actinobacillus pleuropneumonia infection was first reported on pig farms in Great Britain, USA, Switzerland and Argentina in 1957–1964, and the disease agent was isolated in 1963. In Russia *Actinobacillus pleuropneumonia* was first isolated by M. A. Sidorov and D. I. Skorodumov in 1977.

Nevertheless, so far, there have been no publications summarizing domestic and foreign researchers' achievements in porcine actinobacillus and *Actinobacillus pleuropneumonia* studies made over the recent years.

The monograph being reviewed highlights the actinobacillus biological properties, illustrates *Actinobacillus pleuropneumonia* pathogenesis, clinical signs and post-mortem lesions in pigs, demonstrates current tools used for actinobacillus research, methods for the disease diagnosis, and tips for its treatment and specific prevention.

The monograph critical contribution is to demonstrate results of the research performed by the FGBI “ARRIAH” experts being among the first Russian researchers who recovered the disease agent isolates, examined their properties, designed test-kits for detection of *A. pleuropneumoniae* antigens and antibodies and developed vaccine products for *Actinobacillus pleuropneumonia* infection prevention.

The monograph is intended for veterinary practitioners, researchers, laboratory officers and other experts engaged in handling the porcine bacterial infection agents as well as for higher school academicians and students.

The monograph is presented at high scientific and methodical level and it is of indisputable scientific and practical interest.