

# PPR Ab Chek kit (PPR Avidin-Biotin recombinant competitive ELISA (PPR ABrC-ELISA))

- **Problem Description:**

Peste des petits ruminants (PPR), otherwise called as 'Small Ruminant Plague' or 'Goat Plague', is a severe, highly infectious, and contagious transboundary viral disease of sheep and goats, caused by the PPR virus (PPRV). In India, at present, surveillance of PPR is carried out by serological ICAR-IVRI developed live attenuated PPRV antigen based indigenous PPRV H protein specific monoclonal antibody competitive ELISA (PPR c-ELISA). The variation in the results of sera for the detection of PPRV specific antibodies in sheep and goats by employing the nucleocapsid (N) protein or Haemagglutinin (H) protein specific recombinant antigen/antibody-based ELISA, have been observed/reported. To overcome this, ICAR-NIVEDI developed the PPR Surveillance ELISA kit (PPR Ab Chek Kit) by exploiting the polyclonal antibodies produced against expressed truncated recombinant nucleoprotein of PPRV as a competitive antibody for the detection of PPRV antibodies in the sera.:

- **Solution Description:**

Both indigenously developed and available ICAR-IVRI PPR c-ELISA kit and ICAR-NIVEDI PPR Ab Chek kit could be useful for screening small ruminants for PPR during the eradication and/or post-eradication stage of the disease in India with highest accuracy. Further, the sustainable source of safe recombinant antigens and/or antibodies-based diagnostics without the need for the live virus is always highly preferable for the detection of PPRV antibodies in the animals. The intended use is for identification of PPR virus antibodies in sheep and goats, by the detection of PPR virus nucleoprotein antibodies in the serum (Patent Filed- Application No. 202041047096)



## PPR Ab Chek Kit

