

METHOD FOR PREPARING POSITIVE SERUM AGAINST LOW-PATHOGENIC AVIAN  
INFLUENZA VIRUS AND USE THEREOF

ABSTRACT

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The present disclosure provides a method for preparing positive serum against low-pathogenic avian influenza virus and its applications, belonging to the technical field of veterinary biological products. The method involves sequentially immunizing an animal with a live virus and an inactivated vaccine to obtain positive serum exhibiting high hemagglutination inhibition (HI) titers and neutralizing antibody titers. The preparation method is not limited to a single subtype of low-pathogenic avian influenza virus. The resulting positive serum demonstrates excellent specificity and sensitivity, making it suitable for applications such as indirect immunofluorescence, Western blot, and immunohistochemistry. It can also be utilized for exogenous virus testing in live poultry viral vaccines, isolation and identification of clinical viruses, differential detection of live vector vaccines, clinical surveillance and epidemiological studies of avian influenza viruses, as well as evaluation of immune efficacy for related vaccines.

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FIG. 1