

COMPARISON OF IDENTIFICATION AVIAN INFLUENZA VIRUS WITH EXPIRED RAPID TEST KIT AND HI TEST

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ABSTRACT

Avian influenza is a viral disease in poultry that is caused by type A influenza virus. Avian influenza causes high morbidity and mortality rate possibility of serious complication in poultry. The aim of this research was to find the comparison of sensitivity rate between rapid test kit and HI test for avian influenza virus. This research used swab trachea and cloaca of chicken as many as 15 samples. The Sample has collected to this study was taken several phases, that are: 1. Isolation virus ; 2. Haemmaglutination test (HA test); 3. Identification and Titration test of antigen used Haemmaglutination Inhibition test (HI test); 4. Screening of antigen used expired rapid test kit. Based on Mc Nemar methods, the result of the study on expired rapid test kit had a difference of sensitivity rate with HI test. Based on kappa value, result of expired rapid test kit on 2008 showed that Less than chance agreement with HI test, whereas expired rapid test kit on 2009 showed that slight agreement with HI test. Conclusion of this study is expired rapid test kit on 2008 can not be used and sensitivity rate expired rapid test kit on 2009 is 28,571%.

Key Word : Avian Influenza, Rapid Test Kit, Haemmaglutination Inhibition Test