DEVELOPMENT STUDY OF NUMBER AND SCHIZONT SIZE 
ON Eimeria tenella PRIMARY AND 
REINFECTED CHICKEN

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ABSTRACT

This research aim is to know the influence of E.tenella on the difference of production number and schizont size among E.tenella primary and reinfected chicken. The experimental animal is 70 males of CP 707 Charoen Pokphand at three weeks old. Then, they were divided into two groups. Group 1 was infected with E.tenella at five weeks old and group 2 was infected two times by E.tenella that is at three and five weeks old. Each group was consisted 35 chickens. At fifth weeks after infection, five chickens of each group sacrificed every two days from day 0 until day 6 after infection. The caecum of sacrificed chicken was performed histological examination through production number and schizont size calculation. The result showed that was significantly difference in production number and schizont size between E.tenella primary and reinfected chicken (p<0.01).

Key words : E.tenella, schizont, primary infection, reinfected chicken