Abstract

In the present study the evaluation of sporulated oocyst antigens for diagnosis of Eimeria tenella and Eimeria necatrix infection by ELISA was determined, where the present work support the limitation of using ELISA in non specific diagnosis of coccidiosis. Antibody responses to Eimeria tenella and Eimeria necatrix were studied. The histopathological lesions of both Eimeria tenella and Eimeria necatrix were studied in different intervals pcs: infection. , this changes described as presence of ghosts of large schizonts containing basophilic banana shaped merozoites infiltrating the lamina propria of the mid-intestine of Eimeria necatrix infected chicks, as well as appearance of schizonts in the caeca of Eimeria tenella infected chicks. Destruction of crypts of intestine with extensive inflammatory exudates, haemorrhages and mononuclear cell infiltration were observed.

Keywords

oocyst, Eimeria, diagnosis, ELISA, chicks,