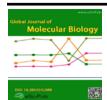
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Hematological parameters and sorological detection of canine hemoparasitoses with SNAP 4DX

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ABSTRACT

Introduction: The SNAP 4Dx is a rapid test device that uses *Correspondence to Author: ELISA (Enzyme-Linked Immunosorbent Assay) technology Teixeira C.L manufactured by the IDEXX Laboratory (Maine, USA) for rapid diagnosis of hemoparasitosis in dogs. SNAP® ELISA technology utilizes unique conjugate and substrate that amplifies the Clinical and Toxicology Analysis results. The bidirectional flow process evidences the antigen-antibody binding, providing high sensitivity and reliable results. Objective: evaluation of hematological parameters and serological detection of hemoparasitoses in dogs with Snap 4Dx. Methodology: A cross - sectional, descriptive and observational clinical research was carried out between September 2014 and October How to cite this article: 2014 at Pet Dream Veterinary Medical Clinic, located in the city of Recife / PE. The hemogram was performed using a manual technique using blood collected with EDTA. The detection of the F.J; Alves A.J; Souza Neto Júnior antigen of Dirofilaria immitis and the antibodies of Anaplasma J.C.Hematological parameters and phagocytophilum, Anaplasma platys, Borrelia burgdorferi, Ehrlichia canis and Ehrlichia ewingii, was performed with SNAP 4DX Plus device. Results and Discussion: 62 dogs of different moparasitoses with SNAP 4DX. races were used, without specifying age or sex, attended at the Global Journal of Molecular Biolo-Clinic. The blood samples were collected by venipuncture cephalic or jugular, according to the size of the animal. The samples were packed in eppendorf microtubes containing EDTA as anticoagulant. The differential count was performed through blood smearing, stained in panopticus, observed with a 100X immersion objective. The rapid test for serological diagnosis showed the following result: Ehrlichia canis (32.25%), Anaplasma platys (6.45%), Dirofilaria immitis (6.45%). Discussion: The results found in the present study suggest that the 4DxPlus Kit was efficient for the diagnosis of hemoparasitoses, which cause diseases in small animals. Conclusion: hematological changes were varied, but thrombocytopenia was the main alteration. The animal with thrombocytopenia may present it silently or start to have symptoms such as: bleeding on the skin; nose bleeds; fever; cough; lethargy; urinary bleeding.

Keywords: Anaplasma platys; Ehrlichia cani; ELISA; Hemoparasitose; SNAP 4DX

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