

**ANALYSE PROTEINE OF *TOXOCARA* spp. LOCAL ISOLATES  
FROM DOGS AND CATS BY  
USING SDS-PAGE TECHNIQUE.**

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**ABSTRACT**

This research was the laboratory explorative having the descriptive character to know protein profile of *Toxocara canis* and *Toxocara cati* local isolates expressed of molecular weight form. The result of this research was referable for the research substance of the specificity of imunogenical protein *T. canis* and *T. cati* to be used for Toxocariasis early diagnosed by imunological study. The *excretory and secretory* (E-S) of *T. canis* and *T. cati* were obtained by the incubation at temperature 37° C with PBS 10% media. The E-S substances were compacted by centrifugation with 35.000 rpm at temperature 4°C for 20 minutes. The intestinal homogenate of *T. canis* and *T. cati* were crushed up to refinement and were centrifuged with 4000 rpm for 5 minutes, the E-S and intestine substances were analyzed a protein by using technique *Sodium of Dodecyl Sulphate Polyacrilamide of Gel Electrophoresis* (SDS-PAGE), this technique have a protein dissociation principec of according to molecular weight by using the polyacrilamide gel with electrophoresis.

By this technique, the proteine analysis of intestinal homogenate of *T. canis* showed there were 12 bands : 206,8; 140,3; 55,5; 51,0; 44,5; 42,0; 40,5; 37,5; 34,4; 21,5; 17,4; 10,0 kDa, and there were 22 bands of *T. cati* : 206,8; 140,3; 112,8; 84,1; 70,0; 62,7; 55,5; 50,4; 45,9; 43,2; 40,5; 38,3; 36,8; 35,1; 33,0; 31,3; 29,5; 25,2; 23,0; 21,5; 17,4; 10,0 kDa.

Therefor, the E-S isolates analysis showed there were 15 *T. canis* bands : 206,8; 107,3; 102,3; 93,4; 60,9; 46,8; 44,5; 40,5; 36,8; 35,1; 32,3; 30,2; 27,4; 23,0; 10,0 kDa, while *T. cati* there were 6 bands : 206,8; 40,5; 38,3; 36,8; 32,3; 10,0 kDa.

**Keyword : SDS-PAGE, *excretory-secretory*, intestine, *T. canis*, *T. cati***