

## Chemical and Biochemical characterization of *Taenia hydatigena cysticerci* in goats

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### Abstract

The present study was undertaken to study the chemical, biochemical profiles of the cystic fluid of *Cysticercus tenuicollis* and to assess the pathological changes in the affected organ. Cysts were collected aseptically from the goat carcasses and were subjected to different chemical and biochemical test. Twenty four cyst among them were analyzed for different chemical and biochemical constituents present in their cystic fluid. Showing results as Calcium (12.0-260.0 mg/100ml), Sodium (130.5-424.3 ppm) and Potassium (12.50-52.50 ppm) and biochemicals like Aspartate aminotransferase (0.1310-23.00 U/L), Alanine aminotransferase (1.000-86.17 U/L), Lactate dehydrogenase (10.00- 108.0 U/L) and Alkaline phosphate (18.00-176.0 U/L).

**Keywords:** *Cysticercus tenuicollis*, Cystic fluid, Histopathology, Zoonosis, Biochemical parameter, Chemical parameter.