Detection of immunogen proteins of segment and hydrafuid fluid in cattle with Hydatidosis
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Summary
Hydatidosis is a widespread disease, which has huge economic and health impacts. The disease is one of the zoonoses caused by Metacotyle of Echinococcus granulosus. This larva during developing in the intermediate host activates immune system and produce antibody. This study was conducted on 30 samples of liver and lung of infected cows by hydatidosis. The aim of this project was to detect hydrafuid fluid (HF) and tegument's antigens. The hydrafuid fluid and teguments were isolated in sterile condition. Samples were prepared to obtain polyepitope profile and fractions using SDS-PAGE. Then western blotting test was conducted to detect the antigenic characteristics of proteins. Three fractions were observed in HF polypeptide profile. The results were shown that the molecular weight of these fractions was 36, 50 and 64-98 KDa. The 36 and 64-98 fractions were obviously dominant in western blotting test. The molecular weight of fractions of tegument was 22, 36 and 64-98. The 64-98 fraction from tegument showed antigenic activity in western blotting.

Keywords: Hydatidosis, hydrafuid fluid, tegument, cattle

Mentioned:
Siluton Echinococcus granulosus, Hydatidosis, Cattle, Antigen, Antibody.

Complimentary:
EH: Echinococcus granulosus, Cattle, Antigen, Antibody.

References:

For the full version of the document, please refer to the original source.
COVERING A NEW POTENT ANTIGEN FROM ECHINOCoccus GRANULOSUS ASSOCIATED WITH MUCOSAL AND TEGUMENT

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