

# ABSTRACT FORM FOR SGEI

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Title : (CAPITAL LETTERS): IMMUNO-CHEMICAL  
CHARACTERIZATION OF AMOEBIC ANTIGEN USING  
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## Abstract :

Review of the few studies published concerning purification of amoebic proteins reveals a complexity of antigen. There has been considerable interest in the purification and characterization of individual components of the amoebic antigen. The present study was designed to purify and characterize the antigenic proteins and evaluate their immunogenicity. To isolate the most antigenic and specific protein which could be used in the ELISA test for serodiagnosis of Amoebic Liver Abscess (ALA), the sonicate of axenic culture of E. histolytica was fractionated by Sephadex G-200 Column chromatography. Five major fractions varying in their Molecular weight were obtained. Their homogeneity was checked by polyacrylamide gel electrophoresis. The immunogenicity of various fractions was determined by micro enzyme-linked-immunosorbent assay (ELISA) technique using pooled sera from ALA patients as antibody source. Fraction-I was found to be most antigenic and revealed single band on gel-electrophoresis.