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Abstract

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Summary

Enzyme linked protein-A has been used to develop an enzyme-linked immunosorbant assay (ELISA) to detect circulating IgG antibodies to *Mycobacterium tuberculosis*. The specific binding of protein-A to IgG fractions through Fc receptors, makes the test more specific for detection of total IgG antibodies. The ELISA system has been used for detection of circulating antibodies to *M. tuberculosis* H₃₇Ra in 22 patients with histologically proven intestinal tuberculosis and 88 healthy controls, in addition to 7 diseased controls. The ELISA has been found to be a sensitive test as it was positive in all 22 patients with intestinal tuberculosis. Its specificity was 85 % in Indian controls and 97 % in Norwegian controls. The test is easy to perform and may be recommended for the serological diagnosis of intestinal tuberculosis.

Reference

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