Evaluation of Entamoeba histolytica Antigen and Antibody Point-of-Care Tests for the Rapid Diagnosis of Amebiasis

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Abstract

The bedside diagnosis of amebiasis could improve patient care. In Bangladesh and Vietnam, a novel and simple-to-use Entamoeba histolytica rapid antigen test had 97% sensitivity and 100% specificity compared to the results of a standard enzyme-linked immunosorbent assay antigen detection method, and a rapid antibody test had 89 to 100% sensitivity and 89 to 95% specificity

Reference

5. Gandhi, B. M., M. Irshad, T. C. Chawla, and B. N. Tandon. 1987. Enzyme linked protein A: an ELISA for detection of amoebic antibody. Trans. R. Soc. Trop. Med. Hyg. 81:183–185