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2.4 Cytochemical localization of acid phosphatase in yeasts; Protocol 2.3 Cytochemical localization of acid phosphatase in yeasts; 2.5 Detection of anionic sites; Protocol 2.4 Detection of anionic sites; 2.6 Detection of glycoconjugates by the periodic acid-thiocarbohydrazide-silver proteinate technique (PATAg); Protocol 2.5 Detection of glycoconjugates by the periodic acid-thiocarbohydrazide-silver proteinate technique (PATAg)
2.7 Enzyme-gold approach for the detection of polysaccharides in the cell wall
Protocol 2.6 Enzyme-gold approach for the detection of polysaccharides in the cell wall; 2.8 Detection of glycoconjugates by the lectin-gold technique; Protocol 2.7 Detection of glycoconjugates by the lectin-gold technique; 2.9 Immunogold detection of antigens on ultrathin sections of acrylic resin; Protocol 2.8 Immunogold detection of antigens on ultrathin sections of acrylic resin; 2.10 Cryofixation and freeze substitution for ultrastructural analysis and immunodetection
Protocol 2.9 Cryofixation and freeze substitution for ultrastructural analysis and immunodetection
2.11 Overview; 2.12 References; 3 Evaluation of Molecular Responses and Antifungal Activity of Phagocytes to Opportunistic Fungi; 3.1 Introduction; 3.2 Preparation of conidia and hyphae of opportunistic fungi; Protocol 3.1 Preparation of conidia and hyphae of opportunistic fungi; Protocol 3.2 Preparation of hyphal fragments; 3.3 Isolation of human monocytes from whole blood; Protocol 3.3 Isolation of human MNCs from whole blood; 3.4 Analysis of human MNC function in response to fungal infection
Protocol 3.4 XTT microassay

Sommario/riassunto

Medical Mycology: Cellular and Molecular techniques is a clear and concise overview of the subject that details the techniques essential for ongoing research in the area. Drawing together contributions from both scientists and clinicians working in the field, the text will provide a valuable perspective on the applicability of specific techniques to patient care. A wide range of molecular, immunological and cytological techniques are discussed throughout, with the inclusion of protocol section in each chapter designed to provide both a background a up-to-date account of the applicatio
