



Our Specialized Center

CLINICAL IMMUNOLOGY

PURELAB⁺

OVERVIEW

Our Center of Clinical Immunology at PureLab is specialized in providing comprehensive diagnostic services for patients with suspected autoimmune diseases, allergy conditions, and primary immunodeficiency.

With a team of highly skilled professionals and state-of-the-art facilities, the laboratory is committed to delivering accurate and timely results to aid in the diagnosis and management of patients.

Accredited by the College of American Pathologists (CAP) and ISO 15189, the laboratory adheres to stringent quality standards to ensure the highest level of service.

In addition, the Immunology Laboratory is dedicated to the academic development of clinical fellows, medical residents, students, and medical technologists. Moreover, the lab also participates in a variety of other academic activities.

OUR SERVICES



Autoimmune Disease Testing

Connective Tissue Disease/Rheumatic Disease Serology

- Antinuclear Antibody (ANA) Screen by both solid-phase and Indirect Immunofluorescence assays
- Double-stranded DNA (ds-DNA) antibody
- Extractable Nuclear Antigen Antibody (ENA) Screen
- Extended Extractable Nuclear Antigens profile (16 antigens)
- ANCA/Vasculitis Panel: Myeloperoxidase (MPO) and Proteinase 3 (PR3)

Gastrointestinal and Hepatic Diseases Serology

- Gastric Parietal Cells (GPC) Antibody
- Anti-mitochondrial Antibody (AMA)
- Smooth Muscle Antibody (SMA)
- Liver Kidney Microsomal Antibody (LKM)

Celiac Disease Panel

- Tissue Transglutaminase (TTG) IgA and IgG
- Deamidated Gliadin Peptide Antibodies (IgA and IgG)
- Endomysium IgA Antibody (EMA)

Antiphospholipid Syndrome Antibodies

- Cardiolipin IgG and IgM Antibodies
- B2 Glycoprotein 1 IgG and IgM Antibodies

Type 1 Diabetes Autoantibodies

- Glutamic Acid Decarboxylase 65 (GAD 65) Antibody
- Insulin Autoantibody (IAA)
- Islets Antigen-2 (IA-2) Antibody



Allergen-specific IgE Testing

The laboratory provides extensive testing for hundreds of specific allergens. This includes the measurement of allergen-specific immunoglobulin E (IgE) antibodies, helping to identify and diagnose allergies accurately. The results aid in developing personalized treatment plans and allergen avoidance strategies.



Primary Immunodeficiency Testing

The laboratory offers the Neutrophil Oxidative Burst Test using the Flow Cytometry to evaluate neutrophil function. This test assists in the diagnosis of primary immunodeficiency disorders, particularly those affecting neutrophil function.

OUR EXPERTS

Our Clinical Immunology Laboratory at PureLab boasts a team of distinguished experts who possess exceptional qualifications and extensive experience in the field of immunology. The key professionals leading the laboratory are:

- **Dr. Gehad ElGhazali**
MD, PhD - Consultant Physician, Service Lead Immunologist, Certified by the American Board of Histocompatibility and Immunogenetics, the American Board of Medical Laboratory Immunology, and the Swedish Board of Clinical Immunology
- **Dr. Ayeda Al Mahri**
MSc, PhD (Transplant Immunology), Senior Clinical Scientist



“We are a team of distinguished and always-dependable experts with exceptional qualifications and extensive experience in the field of immunology.”

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