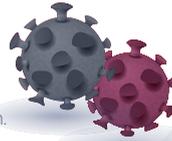


Primary Immunodeficiency Disorders

Advanced Genetic Testing for Precise Diagnosis

Primary Immunodeficiency (PID) disorders are a group of rare, inherited conditions that significantly weaken the immune system. This vulnerability makes individuals prone to recurrent infections, autoimmune disorders, and even certain types of cancer. Our partnered labs provides state-of-the-art genetic testing to identify mutations associated with immune deficiency disorders, facilitating early diagnosis, targeted therapies, and improved treatment outcomes.



About Our Partnered Labs

Our partnered labs is a leading provider of advanced genetic testing, specializing in the diagnosis of complex and rare diseases. Our cutting-edge laboratory employs the latest sequencing technology to detect genetic mutations linked to Primary Immunodeficiency (PI) disorders, assisting physicians in making accurate diagnoses and formulating personalized treatment plans.

With a commitment to innovation, accuracy, and rapid turnaround times, our partnered labs equips patients and healthcare providers with precise genetic insights. Our mission is to enhance lives through early detection and tailored healthcare solutions.

Why Choose Our Test?



Comprehensive Panel:

Our testing encompasses a wide range of genes associated with primary immunodeficiency (PID), ensuring a thorough examination for even the rarest mutations.



Precision Diagnosis:

Using advanced genetic sequencing, we can detect specific genetic mutations linked to immune system dysfunction, providing an accurate and reliable diagnosis.



Fast Turnaround Time:

Obtain your results within 7-10 days, facilitating prompt intervention and minimizing the risk of complications from undiagnosed immune conditions.



Personalized Care:

Genetic insights enable physicians to customize treatment plans, ensuring the most effective interventions tailored to each patient's unique needs.

Relevant Genes Analyzed

Our Primary Immunodeficiency Genetic Testing Panel examines 47 key genes, each associated with various immunodeficiency syndromes and related disorders. This includes the detection of mutations that can lead to:

RAG1 / RAG2

Severe Combined Immunodeficiency (SCID), a life-threatening condition characterized by a compromised immune response.

BTK

X-linked Agammaglobulinemia (XLA), resulting in severe recurrent infections. Hamartoma Tumor Syndrome & Immune Dysregulation, which affects immune regulation and increases susceptibility to tumors.

STAT1

Chronic Mucocutaneous Candidiasis, which leads to recurrent fungal infections of the skin, nails, and mucous membranes.

CYBB

Chronic Granulomatous Disease (CGD), a disorder that impairs the body's ability to fight certain bacterial and fungal infections.

PTEN

Hamartoma Tumor Syndrome & Immune Dysregulation, affecting immune regulation and increasing susceptibility to tumors.

How the Test Works

Our genetic testing process is straightforward and non-invasive:



Turnaround Time



7-10 business days

If required, we offer expedited processing for urgent cases. Please inquire for details.

Who Should Be Tested?

- ✓ Consider testing if you or your family members are experiencing frequent or severe infections that are difficult to manage.
- ✓ A family history of primary immunodeficiency or genetic disorders, particularly those affecting the immune system.
- ✓ Autoimmune conditions linked to immune dysfunction.
- ✓ Growth delays, unexplained fevers, or other unusual health issues that could indicate an underlying immune deficiency.

Clinical Utility & Next Steps

Genetic testing is a crucial tool in managing primary immunodeficiency syndromes. By identifying mutations early, physicians can prescribe the most effective treatments and avoid unnecessary delays in care. Early intervention is vital for reducing the frequency of recurrent infections, improving immune function, and enhancing overall quality of life.

Take action today: Discuss genetic testing with your healthcare provider to explore the potential benefits for you or your loved ones.

