



## MEDICLINIC PRECISE OFFERS LEADING-EDGE GENETIC SERVICES

**MEDICLINIC PRECISE IS HERE TO OFFER YOUR PATIENT A SAFE AND GUIDED JOURNEY INTO UNDERSTANDING HOW GENETICS AND GENOMICS CAN GUIDE CURRENT TREATMENTS OR IDENTIFY FUTURE HEALTH RISKS FOR THEM OR THEIR FAMILY.**

Our diverse team of experts provide counselling and guidance to ensure that patients are always informed and can participate in their treatment decisions.

Our unique service offering utilises next-generation sequencing and microarray technologies, among others, provided by partner laboratories. We also use robust,

validated bioinformatics applications for data processing and analysis, and clinical expertise to evaluate the genetic information in patients' DNA.

We work with medical practitioners to understand the complexities of patients' genetic reports, which assists in making informed care decisions.

Mediclinic Precise offers a variety of leading-edge genetic and genomic offerings. For more information, scan the QR code.



### **CONTACT US TODAY**

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T 0861 444 558

Mediclinic Precise is available to support your practice and patients.

# MEDICLINIC PRECISE OFFERS PHARMACOGENETIC (PGX) TESTING

Every individual's genetic makeup is unique, as is their response to medication treatment. The body's response to medicines depends on multiple factors such as age, weight, organ function, and variations in genetic makeup. The effect of an altered metabolism rate depends on whether a drug is active, or in the prodrug state that requires activation through metabolism.

The PGx test can predict drug responses for patients while increasing adherence to medications and treatment outcomes. It can be ordered at any stage of the patient's treatment journey, though it is best to have the test done at the point of diagnosis to ensure that the correct drug is administered

from the start. The test should also be utilised in instances where patients have experienced persistent side effects or present a decreased response to their medication.

The recommendations made in the report are based on publicly accessible, expertly curated international guidelines. These guidelines may give specific, actionable advice on how a medication should be prescribed to a patient based on their gene-drug relationship. Results only include actionable variants that have been validated to the highest level of evidence (CPIC Level 1 & 2 – for more information, visit <https://cpicpgx.org/>).

## WHY CHOOSE THE MEDICLINIC PRECISE PGX TEST?

- The test offers **clinically actionable recommendations** for dose adjustments or considering alternative drugs for patients with an altered metabolism status.
- The test is safe, **non-invasive**, and requires only a **saliva sample**.
- The recommendations are based on **peer-reviewed evidence**, and are curated by a consortium of experts and published in a pharmacogenomics knowledge base.
- **Post-test consultation** with the ordering clinician is available with a genetic specialist.

## WHICH PATIENTS WILL BENEFIT FROM THE TEST?

- Patients receiving treatment in the following areas: **Psychiatry, Cardiovascular, Gastroenterology, acute/chronic pain management, infectious disease, neurological conditions, oncology** and others.
- Patients who are about to undergo surgery and will be prescribed analgesics during recovery.
- Patients commencing drug treatment for a chronic condition.
- Patients who have not responded to treatment or experienced significant side effects with any of the drugs covered by the report. Visit our website to access the full list of **over 200 medications covered** by our test.

## REQUEST THE MEDICLINIC PRECISE PGX TEST TODAY.

Contact Mediclinic Precise to request the pharmacogenetics test for your patients. Requisition and consent forms are available on our website. For more information, send an email to [pgx.info@mediclinic.co.za](mailto:pgx.info@mediclinic.co.za)



Scan the QR code to visit our website.

The Mediclinic Precise PGx test is offered to patients via their healthcare provider to ensure that patients receive the most accurate clinical information regarding their treatment regimens in a responsible manner.