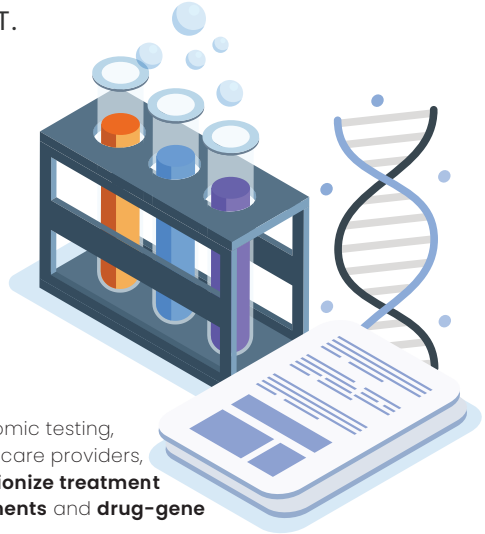




PHARMACOGENOMIC TESTING

RIGHT DRUG. RIGHT DOSE. RIGHT PATIENT.

Unlock the power of **genetic testing** to prescribe the safest and most effective medications. **Pharmacogenomics** helps optimize treatment, prevent adverse drug reactions, and enhance patient outcomes through **personalized medicine**.



About Elite Clinical Laboratory

At Elite Clinical Laboratory, we specialize in pharmacogenomic testing, offering **advanced genomic medicine** solutions for healthcare providers, physicians, and clinical laboratories. Our goal is to **revolutionize treatment** by using genetic insights to guide **patient-specific treatments** and **drug-gene interactions**.

Why Pharmacogenomics Testing Matters?

Prevents Adverse Drug Reactions



Reduces the risk of ineffective or harmful medications.

Optimizes Drug Selection



Helps physicians tailor medications to individual genetic profiles.

Enhances Treatment Efficiency



Reduces trial-and-error prescribing, leading to better patient outcomes.

Cost-Effective Healthcare



Decreases unnecessary hospitalizations and treatment failures.

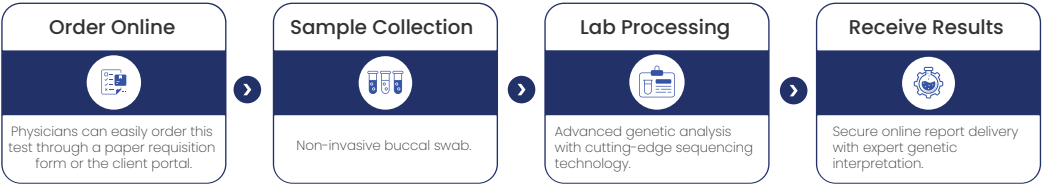


Gene | Drug Classes Affected

Our comprehensive pharmacogenomic testing panel analyzes 44 key genes to assess how genetic variants influence medication response. This ensures precision medicine by optimizing drug selection and minimizing side effects.

Gene	Drug Classes Affected
CYP2D6	Antidepressants, Pain Medications, Beta-Blockers
CYP2C19	Proton Pump Inhibitors, Antiplatelets, Antidepressants
CYP2C9	NSAIDs, Warfarin
VKORC1	Warfarin
SLCO1B1	Statins
CYP3A4/CYP3A5	Immunosuppressants, Calcium Channel Blockers
TPMT & NUDT15	Thiopurine Drugs (e.g., for leukemia, IBD)
OPRM1	Opioid Response
COMT	Pain Sensitivity & Psychiatric Medications

How the Test Works



Gene Panel

ACE, AGTR1, APOB, APOE, ATM, CACNA1C, CACNAIS, CFTR, COMT, CYP1A2, CYP2A13, CYP2B6, CYP2C8, CYP2C9, CYP2C19, CYP2D6, CYP2F1, CYP2J2, CYP2R1, CYP3A4, CYP3A5, CYP3A7, CYP3A43, CYP4F2, DPYD, F2, F5, GRIK4, HCP5, HTR2A, HTR2C, IFNL3, ITGB7, LDLR, MTHFR, NUDT15, OPRM1, RYR1, SLC28A3, SLCO1B1, TPMT, UGT1A1, UGT1A9, VKORC1

Turnaround Time



5-7 Business Days
Quick, accurate, and actionable insights to aid clinical decision-making.

Key Benefits

- Personalized Medication Selection

➤ Prevention of Adverse Drug Reactions (ADRs)
- Optimized Drug Dosage

➤ Faster & More Effective Treatment Plans
- One-Time, Lifetime Testing

Who Should Consider This Test?

- ✓ Patients on multiple medications (polypharmacy).

✓ Individuals with a history of adverse drug reactions.

✓ Patients with conditions requiring long-term medication (psychiatric disorders, cardiovascular diseases, pain management, oncology).

✓ Anyone seeking personalized medicine for safer and more effective treatment.

