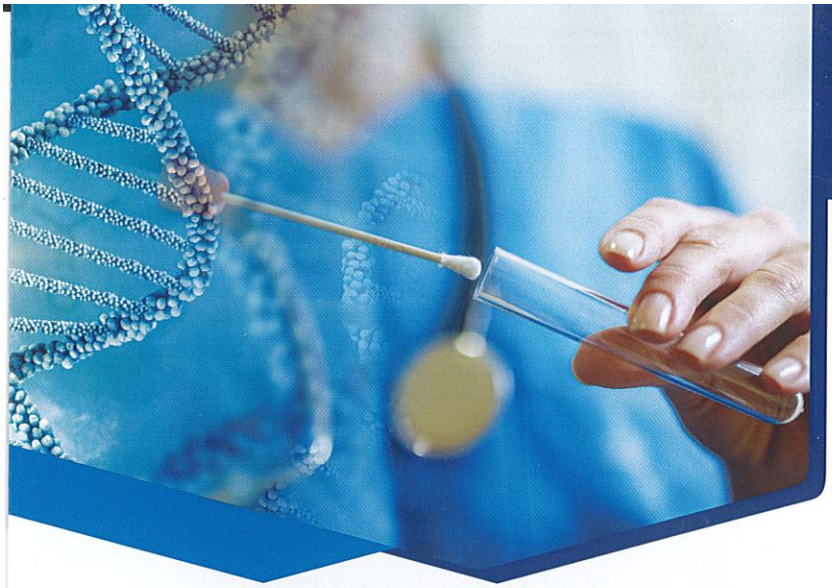


MIRA Genetix

EXPLORE THE FUTURE OF HEALTHCARE WITH PHARMACOGENOMICS TESTING (PGX).

***At MIRA Genetix**, we believe in revolutionizing healthcare through cutting-edge technology and personalized solutions. Our Pharmacogenetics Testing Brochure is your gateway to understanding how genetics can optimize medication therapy, ensuring better health outcomes for you and your loved ones.*

Why Choose MIRA Genetix for Pharmacogenetics Testing?

- MIRA Genetix is at the forefront of technology adoption, consistently updating it's sequencing platforms to ensure the highest level of accuracy and reliability in test results.
- MIRA Genetix offers one of the most extensive arrays of pharmacogenetics testing panels in the market, covering a broad spectrum of genes relevant to drug metabolism and response.
- MIRA Genetix provides comprehensive interpretation support, with expert genetic counselors and pharmacists available to assist clinicians in understanding and applying test results to patient care effectively.

PGX testing is ordered

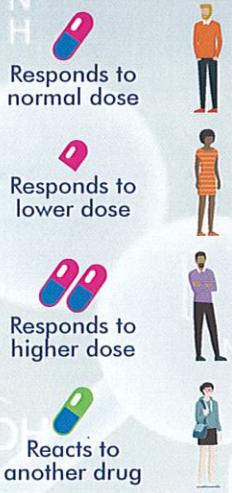
Collect specimen swabs

Send it back to MIRA lab

Run pharmacogenetic testing

Analyze data and generate report

WHAT IS PHARMACOGENETICS TESTING?



Pharmacogenetics testing analyzes how your unique genetic makeup affects your body's response to medications. By identifying genetic variations, healthcare providers can personalize treatment plans, ensuring safer and more effective medication choices tailored to your individual needs.

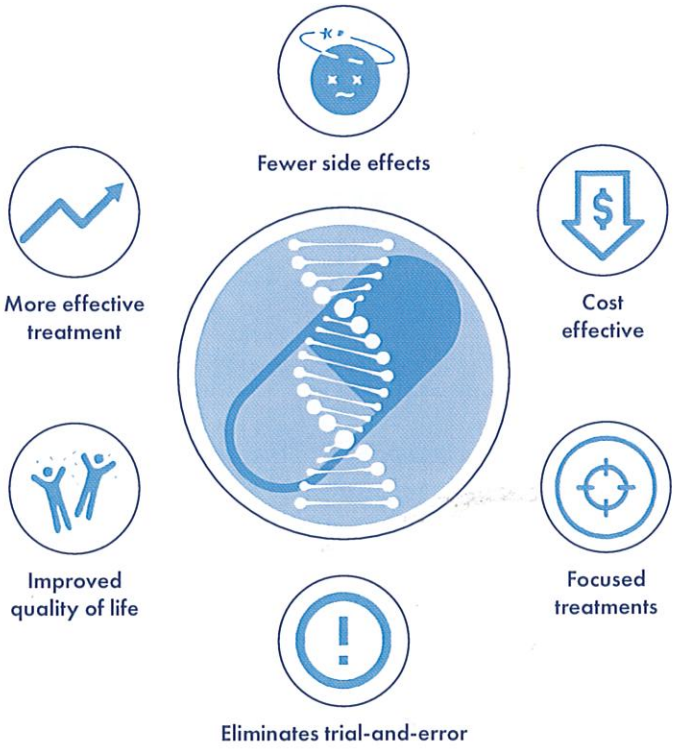
MIRA Genetix

THE BENEFITS OF PHARMACOGENOMIC TESTING:

- **Precision Medicine:** Say goodbye to trial-and-error prescribing. Pharmacogenetics testing enables healthcare providers to prescribe medications with greater precision, minimizing adverse reactions and maximizing therapeutic benefits.
- **Enhanced Safety:** By understanding your genetic predispositions, healthcare providers can avoid medications that may pose a higher risk of adverse reactions, reducing the likelihood of harmful side effects.
- **Optimized Treatment:** With personalized medication plans, you can experience improved treatment outcomes, faster recovery times, and better symptom management, leading to a higher quality of life.

WHO CAN BENEFIT FROM PHARMACOGENETICS TESTING?

- **Patients with Chronic Conditions:** Individuals managing chronic conditions such as depression, anxiety, cardiovascular diseases, or chronic pain.
- **Patients on Multiple Medications:** If you are taking multiple medications simultaneously, pharmacogenetics testing can help identify potential drug interactions and optimize your medication regimen to minimize risks and enhance efficacy.
- **Individuals with Treatment Resistance:** For patients who have not responded well to conventional treatments or experience adverse reactions, pharmacogenetics testing offers insights into alternative medication options that may be more compatible.



THE GENE LIST WE ARE TARGETING:

Cardiovascular Genes:

APOE, COMT,
CYP2C19, CYP2C9,
CYP1A2, CYP2D6
CYP3A4/3A5
F2, F5
MTHFR, SLCO1B1
VKORC1, CYP4F2
BCHE

Neurology Genes:

COMT, CYP1A2,
CYP2B6, CYP2C19, CYP2C9,
CYP2D6, CYP3A4/3A5
MTHFR, SLCO1B1, VKORC1

Pain Management Genes:

CYP2C19, CYP2D6,
CYP1A2, CYP2B6,
CYP2C9, VKORC1
CYP3A4/3A5,
Factor II, Factor V
MTHFR, OPRM1, COMT

SPECIMEN REQUIREMENTS:

- 2 Buccal swabs.
- Turnaround time: 1–2 weeks.

Comprehensive Gene Panel: (INCLUDES ALL 3 CATEGORIES)

- ❑ APOLIPOPROTEIN
- ❑ CYP1A2
- ❑ CYP2C19
- ❑ CYP2D6
- ❑ F2
- ❑ MTHFR
- ❑ VKORC1
- ❑ BCHE
- ❑ COMT
- ❑ CYP2B6
- ❑ CYP2C9
- ❑ CYP3A4/3A5
- ❑ F5
- ❑ SLCOB1
- ❑ OPRM1
- ❑ CYP4F2

DRUG GUIDE FOR PGX:

These lists of drugs are color-coded to reflect whether a genetic predisposition indicates that there may be issues with regard to drug response or adverse effects.

Normal

A drug in **GREEN FONT** indicates that no genetic issues of clinical relevance were found for this drug among the genes tested.

Increased Risk

A drug in **YELLOW FONT** indicates that genetic issues of clinical relevance were found for this drug. Extra caution should be observed when considering this drug for this patient.

Extreme Risk

A drug in **RED FONT** indicates that serious genetic issues of clinical relevance were found for this drug and extreme caution or avoidance of this drug should be observed when considering this drug for this patient.

- Safety Alerts:
  The guide may include safety alerts or warnings for medications that pose a higher risk of adverse reactions or reduced efficacy in individuals with specific genetic variants.
- Evidence-Based Recommendations:
  The information in the pharmacogenetic drug guide is based on current evidence and guidelines from reputable sources, such as the Clinical Pharmacogenetics Implementation Consortium (CPIC) and the Pharmacogenomics Knowledgebase (PharmGKB).
- Patient Counseling Tips:
  The guide may include tips and strategies for counseling patients about pharmacogenetic testing results and their implications for medication therapy.
- Drug Interactions:
  Information on potential drug-drug interactions is included, highlighting medications that may interact with each other based on their metabolic pathways and genetic considerations.
- Dosing recommendations are provided
  based on an individual's metabolic phenotype and genetic variants. The guide offers guidance on optimal dosage adjustments for medications affected by genetic factors.

Unlock the Power of Personalized Medicine Today!

Take control of your health journey with pharmacogenetics testing from MIRA Genetix. Schedule your consultation and discover how personalized medicine can transform your life.

ABOUT PHARMCOGENETICS

Pharmacogenetics, the science of how genes affect responses to many commonly prescribed medicines, allows your Physician to make personalized medication treatment decisions for you.

PGX OFFERS LIST:

- Turnaround time 1–2 weeks. Expedited 24 hour service available.
- Wide range of gene panels
- Better and safer medications the first time
- High level of accuracy and reliability in results
- Our detailed report offers guidance on optimal dosage adjustments for medications affected by genetic factors.

MIRA Genetix

MIRA GENETIX IS A COLA / CLIA CERTIFIED FULL-SERVICE LABORATORY THAT'S BEEN IN BUSINESS FOR 30+ YEARS.

COLA Accredited Laboratory

CLIA Clinical Laboratory Improvement Amendments

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