



Why Capstone Genetics?

Founded in 2015, Capstone Diagnostics is a leader in healthcare technology and laboratory services with a focus on developing new technologies.

Our scientific research team has decades of expertise in the field of diagnostic testing. Capstone Diagnostics provides healthcare professionals with accurate and timely results, as well as customized testing services.

Capstone Diagnostics uses the latest in high thru-put QPCR technology to analyze patient samples, generate easy to read reports and provide you with clinically significant data based on the most recent medical innovations.

In addition, a Capstone Diagnostics team member is always available for an in-depth consultation.

What is Pharmacogenetics, (PGx) Testing?

Pharmacogenetics is the relationship between a patient's unique genetic makeup and their response to certain medications. Genetic mutations can cause either higher or lower rates of metabolism for known drugs.

**ADR is the 4th
leading cause
of death
in the United States.**



According to the FDA, each year, approximately
4.5 million Americans
 visit their doctors or the emergency room due to
Adverse Drug Reactions (ADR).

Why are the results important?

Testing will specify how quickly your body metabolizes, or filters, any given drug. Some patients are rapid metabolizers, flushing medication so quickly from their system that their body does not benefit from the medication. Poor metabolizers, on the other hand, can be harmed because the normal dose of medicine is too much for their body to metabolize. This test provides a physician vital information that is needed when prescribing medication. This means the right drug for the right patient at the right dose, ultimately optimizing the patients drug therapy outcome.

What type of sample is required to perform this test?

A sterile swab is used to gather a simple and painless sample of DNA from the inside of your cheek.

How much does this procedure cost?

PGx Testing is a routine clinical laboratory test. Medicare, Medicaid, as well as most insurance companies cover this type of test. Depending on your individual insurance policy, a co-pay or deductible could apply.



Personalized Medicine Panel Comprehensive Panel

CYP2C19, CYP2D6, CYP2C9, F2 Gene, F5 Gene, VKORC1, MTHFR, SLC01B1, CYP3A4, CYP3A5, APOE, CYP1A2, CYP2B6, COMT

Cardiology & Thrombophilia Panel

CYP2C19, CYP2D6, CYP2C9, F2 Gene, F5 Gene, VKORC1, MTHFR, SLC01B1, CYP3A4, CYP3A5

Pain Panel

CYP2C19, CYP2D6, CYP2C9, CYP3A4, CYP3A5, CYP1A2, CYP2B6, COMT

Psychiatry Panel

CYP2C19, CYP2D6, CYP2C9, CYP3A4, CYP3A5, CYP1A2, COMT

Pain/Psychiatry Panel

CYP2C19, CYP2C9, CYP2D6, CYP3A4, CYP3A5, CYP1A2, CYP2B6, COMT