

## Will This Drug Work

### *For Me?*

**Personalized Medicine** is the tailoring of medical treatment to the individual characteristics of each patient. This approach relies on scientific breakthroughs in our understanding of how a person's unique genetic profile affects their response to certain medications.



**Advances in personalized medicine is having an exciting impact on patient care as it provides your physician with tools to predict which medical treatments will be safe and effective for you, and which ones will not be.**

## What Is Pharmacogenomics?

Pharmacogenomics uses information about a person's genetic makeup to choose medications and medication doses that are likely to work best for that particular person. Until recently, drugs have been developed with the idea that each drug works generally the same in everybody. However, genomic research has changed the one size fits all approach.

**Depending on your genetic makeup, some drugs may work more or less effectively for you than they do in other people. Likewise, some drugs may produce more or fewer side effects in you than in someone else.**



Information about your genetic makeup can assist your doctor in prescribing medicines that are most likely to work for you and avoid the trial-and-error approach of giving you various medications that are not likely to work for you until finding the right one.

This test may also help your physician make critical adjustments to the dosages of certain medications, as well as avoid prescribing combinations of medications that may cause you to experience an adverse drug reaction.



Gene Street Laboratories provides advanced and comprehensive pharmacogenomic testing to **individualize treatment for you to ensure that your medications will be safe and effective.**

**Our Comprehensive Pharmacogenomics Genetic Test includes the following genes:**

ABC1, ABCG2, ANKK1, APOE, C11orf65, COMT, CYP1A2, CYP2B6, CYP2C8, CYP2C9, CYP2C19, CYP2D6, CYP3A4, CYP3A5, CYP4F2, DPYD, DRD2, F2, F5, GRIK4, HTR2A, HTR2C, ITGB3, MTHFR, NUDT15, OPRM1, SLCO1B1, TPMT, UGT2B15, VKORC1

### How Does The Test Work?

If you choose to be tested, a buccal or cheek swab or a blood sample is collected and sent to our lab for testing. Once we receive the sample, we will test your DNA to determine your body's response to medications. Results are sent to your physician within 2 weeks.

### Where Can I Get This Done?

Talk to your doctor for further information or call us at 832-478-9955. Visit us online at [www.genestreet.com](http://www.genestreet.com)

### How Much Does The Test Cost?

The cost of the test is covered by many insurance companies. Please contact us at 832-478-9955 for coverage you may have and what your out-of-pocket costs may be. We offer financial assistance for those who qualify and also offer flexible payment plans.

### What Do The Results Tell You?

Results from your Pharmacogenomics testing will provide information on how quickly your body metabolizes or filters a given drug. Some people are rapid metabolizers. They clear drugs



quickly from their system and may not experience any benefit from taking a normal or one size fits all dose.

A person who is a slow metabolizer is the opposite and takes a longer than normal time to clear a drug. In a person who is a slow metabolizer a normal dose of medication can build up to potentially dangerous levels.

**Understanding how you metabolize medications that you are prescribed allows you and your doctor to customize your treatment and determine the safest, most effective dose for you.**



For more information and patient advocacy groups, please visit us at [www.genestreet.com](http://www.genestreet.com)

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*For Better Health Outcomes*