

# PharmacoDx

IDENTIFY THE RIGHT MEDICATION,  
AT THE RIGHT DOSE,  
FOR ALL PATIENTS



## What is Pharmacogenetics/Pharmacogenomics?

Pharmacogenetics or pharmacogenomics are two words that mean the same thing. They refer to the study of how changes in your genes affect how your body responds to medications. This PharmacoDx test looks for common changes in your genes. It can be used to help your doctor and pharmacist choose medications for you that are most likely to work and least likely to cause side effects.

## How can I get a copy of my PharmacoDx test report?

Your doctor's office may be able to give you a copy of your PharmacoDx report. If you can't get a copy from your doctor, you can get a copy from GeneDx. To get a copy from GeneDx, you will need to fill out a release of information form. You can get this form by calling 301-519-2100.

## How do I read my GeneDx PharmacoDx test report?

The PharmacoDx report includes the following sections:

**Result Summary:** This section is a summary of the test results. The results are grouped by medication type. Each row helps your doctor or pharmacist understand how your body may react to that drug.

**There are three categories your results can fall into:**

- ✔ If there are no concerns about a medication the drug can be prescribed as directed and the drug is given a green check mark.
- ⚠ If there is a concern that you may have side effects from a medication or that the medication may not work, the drug should be prescribed with caution. These drugs are given a yellow exclamation mark.
- ✘ Some medications are given a red X. For these medications there is a high risk of side effects or there is a possibility that the drug may not work well for you. These medications should be prescribed with extreme caution.

**Result Details:** This section tells you and your doctor how your body may respond to a medication. It will tell you if there is a chance you may experience side effects. It may also tell you if there is a chance the drug may not work. For some medications, this section will recommend using a different medication. Or it may suggest starting the medication at a different dosage than what is usually prescribed.

**You should not stop taking any medication prescribed by your doctor based upon these test results without first consulting with your doctor.**

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**Summary of Identified Genotypes:** The genes listed in this section are involved in the processing of certain medications. Normal metabolizers have proteins that break down medications at the normal, expected, rate. Rapid or ultrarapid metabolizers break down medications very quickly. Intermediate metabolizers break down medications slower than expected. Poor metabolizers break down medications very slowly.

**Genotypes Evaluated By This Analysis:** The PharmacoDx test looks at changes in your genes. Each item in this section represents a gene change. These changes were used to predict how you respond to certain medications.

## Who should I contact with further questions about my PharmacoDx test results?

It is best to talk to your doctor and/or pharmacist about your results. There are many other factors to consider in choosing medications. Your genes, other medications you may be taking, age, weight, and your family history, may all affect how your body responds to medication.



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