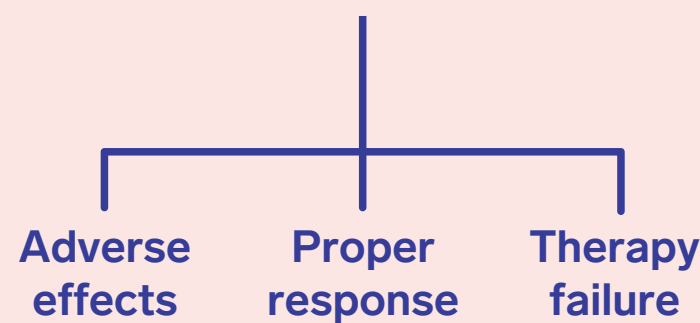


# Pharmacogenetics

A simple test that helps your doctor find the right medication at the right dose for you based on your unique DNA





The effect of a medication can be different from one person to another. Part of this can be explained by your unique DNA

# What is pharmacogenetics?

People react differently to medications and finding the right medication and the right dose can be time-consuming and frustrating. While some feel better after taking a particular medication, others experience intolerable side effects, and a few feel no effect at all. Part of this can be explained by what makes us unique, our DNA.

The pharmacogenetics test offered by Biron helps to determine which medication might work better for you based on your unique DNA.

No need for blood, a simple saliva sample contains enough DNA for us to perform this test.

### Did you know?

→ Finding the right medication for mental illnesses often takes many tries. For example, only 1/3 of patients with major depression will be in remission after their first treatment.

→ 98% of the world's population has at least one genetic variation that may affect their response to medications.<sup>2</sup>

<sup>1</sup> Trivedi MH et al. Evaluation of outcomes with citalopram for depression using measurement-based care in STAR\*D: implications for clinical practice. *Am J Psychiatry*. 2006;163:28–40.

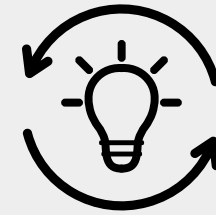
<sup>2</sup> Dunnenberger et coll. « Preemptive Clinical Pharmacogenetics Implementation: Current Programs in Five US Medical Centers», *Annual Review of Pharmacology and Toxicology*, 2015, 55:89-106.

# How does this genetic test help me?

Each individual can benefit differently from Biron's pharmacogenetic test

Biron's pharmacogenetic test provides your doctor with information found in your DNA that can guide the choice of medications instead of relying only on a traditional trial-and-error approach.

This test does not diagnose or predict your likelihood of developing a disease. Instead, the test helps your healthcare provider find the right medication and the right dose based on your unique DNA so that you can get better faster and more safely.



## What is a genetic test?

A genetic test analyzes your DNA and looks for differences that can occur from one person to another, called variants. The pharmacogenetic test offered by Biron looks at over one hundred variants known to influence how people respond to medications used in psychiatry and pain management.

With Biron's pharmacogenetic test, your doctor will know which medications are affected by your genetics. While it seldom guarantees 100% treatment success, the valuable information obtained from this test can help you avoid unwanted side effects and ineffective treatments.

## Advantages of a pharmacogenetic test



Reduces the risk of unwanted side effects and ineffective treatments



Identifies medications that are genetically compatible based on your pharmacogenetic report



Informs your doctor of recommended dose adjustments or medications to avoid based on peer-reviewed guidelines



Your results won't change over time and can be used to guide future treatments

# Is my genetic information shared with anyone else?

The results of the Biron pharmacogenetics test are confidential. It is against the law in Canada for anyone to force you to take any genetic test or to disclose your results to employers, insurance companies or other service providers.<sup>3</sup>

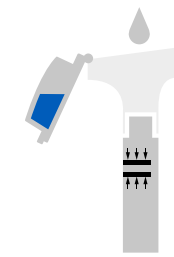
The Canadian Labor Code and the Canadian Human Rights Act have been amended to support this law. Exceptions are provided only upon your consent for researchers and your health care practitioners.

<sup>3</sup> Genetic Non-Discrimination Act, SC 2017, c 3



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## + How is my DNA collected for the Biron pharmacogenetics test?



You only need to provide a saliva sample into a special tube that is shipped by mail to the laboratory in a prepaid envelope.

Your doctor will have the result within 7 days of sample reception.

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## + What medications will the Biron pharmacogenetic test report on?

Biron currently checks for more than 130 different medications. The list of drugs is reviewed periodically to ensure consistency with the current state of pharmacogenomic research.

Visit [biron.com/meds](http://biron.com/meds) to see if your medication is covered by Biron's pharmacogenetic test.

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## + How much does the test cost?

The Biron pharmacogenetic test costs **\$399.00**. This may be covered by your insurance company.

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## + Medical conditions covered : Psychiatry, pain management.

# About Biron

Biron is a Canadian company with over 1200 employees that has been providing doctors with accurate test results since 1952. Along with genetic testing, Biron conducts blood tests, urine tests, COVID tests, diagnostic imaging (mammograms, X Rays, CT scans, ultrasound etc.) and other medical diagnostic services.

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To learn more about pharmacogenetic testing :

[biron.com/pgx](https://biron.com/pgx)  
1-866-923-9222 #8723

## How do I get the test?

Talk to your doctor to see if this test is appropriate for you.

Your doctor does not benefit from you taking this test other than by helping you to possibly get better more quickly and with less side effects.