

# Is your medication working?

Let your DNA help you find the right treatment.



## Pharmacogenomic Tests

Guiding treatment for ADHD, mental health disorders, pain, and cardiovascular conditions

# How does this test help me?

The **Biron** pharmacogenomic test analyses the DNA in your saliva to see how your body could react to different medications. It helps you understand three things:

1

Your body's ability to eliminate different medications, to ensure that doses are neither too high nor too low.

2

Which medication might be more or less effective at treating your symptoms.

3

If you are predisposed for particular medication side effects.



# People react differently to medications.

For some, finding medications that work with few or no side effects can be time-consuming and frustrating. Taking a pharmacogenomic test tells you if your DNA could make you react differently than others to certain medications.


Your DNA holds clues that can tell you if it is better to take certain medications at lower or higher doses, and if some medications are more or less likely to be effective or cause side effects.

The **Biron Pharmacogenomic (PGx)** test helps your provider make better medication choices and find the right treatment.


**98 % of people have at least one genetic variation impacting their response to medication.<sup>1</sup>**

Here are examples of recommendations you can obtain from your pharmacogenomic report.

**Laura**

 **Lisdexamfetamine  
(Vyvanse®)**


 **ADHD**

 **Medication  
is not effective.**

**Alex**

 **Citalopram  
(Celexa®)**

 **Depression**

 **Medication is  
causing nausea.**


Explanation:

**Alex** is more susceptible than others to experiencing nausea when taking citalopram. Switching to another antidepressant that is not associated with an increased risk of nausea could greatly reduce unwanted side effects.

**Laura** breaks down (metabolizes) lisdexamfetamine faster than the general population. To obtain adequate effectiveness from lisdexamfetamine, a higher dose than normal may be required.

**Hugo**

 **Tramadol  
(Tramacet®)**


 **Chronic back pain**

 **Inadequate pain  
management.**

**Valérie**

**Atorvastatine  
(Lipitor®)**

**High LDL  
cholesterol**

 **Muscle pain  
and stiffness.**

Explanation:

**Valérie** breaks down (metabolizes) atorvastatin slower than the general population making the standard dose likely too high for her. To reduce the risk of muscle symptoms, she can switch to a lower dose than normal or take an alternative statin medication.

**Hugo** does not activate tramadol effectively, which will not result in any pain relief. Choosing another medication that does not require activation will likely be more effective at pain management.

# Your pharmacogenomic test results



## **Over 200 medications covered**

Guides the use of the most widely prescribed medications for ADHD, mental health conditions, pain management and cardiovascular conditions.



## **Long-term utility**

Your test results are stable over time, offering a lasting resource to guide your medication choices well into the future



## **Scientifically supported**

Every recommendation is grounded in peer-reviewed scientific research, giving you confidence in the reliability and validity of your test results.

14 potentially life-saving medication recommendations will be included in your report if a relevant genetic variant is identified.

Discover the full list  
of medications covered  
by the **Biron**  
pharmacogenomic  
test by visiting  
[biron.com/meds](https://biron.com/meds)



# How does it work?

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1



Order your  
test online

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2



Collect  
your saliva sample  
and mail it back  
in the pre-paid  
return envelope

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3



Results provided  
within  
10 working days

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Consultation with a pharmacist  
included to help you understand  
your results

Order your test on  
[biron.com/pgxtest](https://biron.com/pgxtest)

## Your privacy is our core commitment

Your personal information is used only for its intended purpose: to offer you personalised insights to help find the medications best suited for you. We stand firm in our promise not to disclose your personal details to any third party without your authorization.

In Canada, it is against the law for anyone to force you to take a genetic test or to disclose your results to employers, insurance companies or any other service provider.



# Elevating care with pharmacogenomics (PGx)

**Biron** is at the forefront of personalised medicine, harnessing the power of pharmacogenomics (PGx) to enhance patient care.

## The test helps to



Reduce the risk of side effects<sup>2</sup>



Increase the likelihood of treatment success<sup>3</sup>

Your journey to personalised healthcare begins here



[biron.com/pgxtest](https://biron.com/pgxtest)

1 855-943-6379

Talk to your doctor to find out if PGx testing is right for you.

1. Dunnenberger et al. Annu Rev Pharmacol Toxicol. 2015 55:89-106.

2. Swen et al. 2023. Lancet 401(10374):347-356.

3. Brown et al. 2020. Pharmacogenomics 21(8):559-569.

## About Biron Health Group



Founded in 1952, **Biron** is renowned for its expertise in six areas of healthcare:

- Medical laboratory
- Sleep care
- Medical imaging
- Health at work
- Genetics
- Pathology

**Biron** a proud Canadian company based in Quebec, brings together the strengths of nearly 1,000 skilled, conscientious, and caring professionals. Today, this dedicated team is developing the services you'll need tomorrow to live a healthy life.