

Did you know?



of the population have DNA variations that affect how they respond to medications²



1 in 4 people will experience an adverse drug reaction³

These reactions can range from a mild headache to severe immune responses leading to hospitalization

Only 1 in 3 people with depression will receive adequate symptom relief from their first antidepressant medication⁴



Suffers from chronic pain.

The treatment of chronic pain is complex and influenced by many factors, including your genetic makeup⁵

How do I order TreatGx^{plus}?

Ordering is quick and easy:

- Order kit at www.lifelabsgenetics.com
- Kit is mailed to your home
- Have your physician sign the requisition
- Use the soft sponge included in the kit to collect your DNA by gently rubbing the surfaces inside your mouth (gums and cheeks)
- Return kit in the Canada Post prepaid mailer

LifeLabs Genetics will extract your DNA and identify genetic variants that can affect how you respond to medications. You can access your test results through your online account and discuss them with your doctor.

TreatGx^{plus} may be eligible as a medical expense under the Income Tax Act. Call your insurance provider regarding reimbursement options for this test.

Learn more about TreatGx^{plus} by visiting www.LifeLabsGenetics.com

Have questions? Contact us at:
Ask.Genetics@LifeLabs.com
1-844-363-4357

References

1. Relling MV, Evans WE. Pharmacogenomics in the clinic. *Nature* 2015;526(7573):343-50.
2. Dawes M, Aloise MN, et al. Introducing pharmacogenetic testing with clinical decision support into primary care: a feasibility study. *CMAJ Open* 2016;4(3):E528-34.
3. Gandhi TK, Weingart SN, et al. Adverse drug events in ambulatory care. *New England Journal of Medicine* 2003;348(16):1556-64.
4. Warden D, Rush AJ, et al. The STAR*D Project results: a comprehensive review of findings. *Current psychiatry reports* 2007;9(6):449-59.
5. Smith DM, Weitzel KW, et al. Clinical application of pharmacogenetics in pain management. *Per Med* 2018;15(2):117-26.



Designed and tested in Canada

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TreatG^{plus}

Make your medication part of the solution and **not the problem**

Prescriptions based on your DNA

LifeLabs
GENETICS™

GenXys
Health Care Systems

What is personalized medicine?

Traditional healthcare methods treat all people with similar conditions in the same way; a 'one size fits all' approach. You are unique, and personalized medicine tailors your treatment to your needs.

How do your genes influence your health?

You are made up of genes (DNA), which carry important information that determine characteristics including your health. The unique variations in your genes may cause you to respond differently to a specific medication compared to someone else.

Pharmacogenetic testing

A pharmacogenetic test identifies genetic differences in your DNA that are associated with drug response. Knowing your pharmacogenetic results, a doctor can tailor a prescription to address your needs. Incorporating genetic factors into the prescribing process can help improve the effectiveness of medications and reduce adverse side effects¹.

What is TreatGx^{plus}?

TreatGx^{plus} is a pharmacogenetic test. Our unique online tool combines your pharmacogenetic results with your personal health information providing safe, effective and personalized options to discuss with your healthcare provider.

TreatGx^{plus} focuses on four types of interactions:



Drug - Gene

Do you have a genetic variation that may prevent you from experiencing pain relief from pain medication?



Drug - Condition

Is the hypertension medication you have been prescribed causing your ankles to swell?



Drug - Drug

Are you at risk of side effects while taking your new medication with your current medication?



Drug - Biophysical

How does your weight affect your starting dose of your new medication?

Benefits of knowing your pharmacogenetic profile with TreatGx^{plus}:

Increased medication efficacy

Feel better faster by taking the right medication at the right dose, and eliminate the need for additional visits to your doctor.

Decreased adverse drug reactions

Minimize the likelihood of side effects which can range from mild to severe, including hospitalization.

Increased adherence

By decreasing adverse drug reactions and increasing your medications' efficacy, you are more likely to follow your medication plan - feel better faster.

Who can benefit from this test?

This test is highly beneficial, especially if you:

- Have multiple chronic conditions and/or are on multiple medications
- Have had previous trials of medications which were not tolerated or ineffective
- Suffer from liver and/or kidney impairment
- Are a caregiver that is concerned about safe and effective medications for your loved one
- Are interested in personalized medicine

Optimize your medication journey

Option 1



Option 2



Start the conversation with your doctor

Order TreatGx^{plus} online and visit your doctor to get your requisition signed.

Some topics to explore with your doctor include:

- Whether any side effects may be the result of a medication/dose that can be tailored
- How your medical history could also impact the medications you are prescribed

We are here to support your doctor with any questions they have about pharmacogenetic testing & TreatGx^{plus}, please encourage them to contact LifeLabs Genetics at 1-844-363-4357