

# How To Order Genetic Testing From Lifelabs Genetics:

LifeLabs offers over 2,000 genetic tests, including molecular diagnostics, biochemical and metabolic testing either in-house at our laboratory in Toronto or through our partner, Centogene, in Germany. LifeLabs is dedicated to providing excellent service and making molecular testing for rare diseases easily accessible to Canadians. Our team of certified genetic counsellors is available to support clinicians throughout the genetic testing process.

1. Use the search tool located on [www.lifelabsgenetics.com](http://www.lifelabsgenetics.com) to find the gene and test type you are interested in ordering.
2. Before you search for a test, select your province:
3. Search for the suspected condition by entering the gene, disease panel or by specific keywords. Determine whether single gene, reflex genetic testing or a genetic panel is most appropriate. Dementia panel testing is used as an example.

**Search for a TEST**

In order to ensure we provide you with the correct information, please select your region:

I am from Ontario  I am outside Ontario

**CONTINUE**

**Search for a TEST**

Please use the tool below to search for a test:

**Search**

We have identified your location as **Ontario**.

**Panels (3)**

**Alzheimer dementia and dementia panel (APOE, APP, PRNP, PSEN1, PSEN2, SORL1, TREM2)**

Dementia panel (APOE, APP, CHMP2B, CSF1R, FUS, GRN, MAPT, PRNP, PSEN1, PSEN2, SORL1, TARDBP, TREM2, UBE3A, VCP)

Frontotemporal dementia panel (CHCHD10, CHMP2B, CSF1R, DCTN1, FUS, GRN, ITM2B, MAPT, PRNP, PSEN1, PSEN2, SIGMAR1, TARDBP, TREM2, TU)...

Disease Category	Dementias
Condition	Dementia panel
Gene(s)	APOE, APP, CHMP2B, CSF1R, FUS, GRN, MAPT, PRNP, PSEN1, PSEN2, SORL1, TARDBP, TREM2, UBE3A, VCP
<b>Test Code</b>	<b>CN518</b>

4. Make a note of the "test code" as this will be required on page 2 of the requisition. Please refer to the "tips" section below to help you navigate completing the Test Methodology section:
5. Test requisitions can be found at [www.lifelabsgenetics.com](http://www.lifelabsgenetics.com). Fill out pages 1 and 2 and please ensure that the consent is signed by the patient and healthcare provider at the bottom of page 1.
6. Please ensure Billing Status is filled out on page 2. For information regarding "Provincial Funding" please contact LifeLabs Genetics.

**Tips**

1-844-363-4357 · Ask.Genetics@LifeLabs.com | Appointment booking ON 1-877-849-3637 | BC 1-855-412-4495

**GENETIC TESTING REQUISITION**

Schillingallee 68 · 18057 Rostock Ger

<b>Patient Name:</b> _____		<b>Patient DOB (MM/DD/ YYYY):</b> _____	
<p><b>Testing Instructions:</b></p> <p>Please use the online catalogue to find test code &amp; names:</p> <p><a href="http://www.lifelabsgenetics.com/hereditary-conditions">www.lifelabsgenetics.com/hereditary-conditions</a></p>	<p><b>Test Code(s):</b> _____</p> <p><b>Test Name(s):</b> _____</p> <p><b>Test methodology</b></p> <p><input type="checkbox"/> FULL ANALYSIS (includes sequencing AND deletion/duplication analysis if available AND repeat expansion if available)</p> <p><input type="checkbox"/> Sequencing <span style="float: right;"><input type="checkbox"/> Familial Mutation (Familial Report attached Y/N )</span></p> <p><input type="checkbox"/> Deletion/Duplication analysis <span style="float: right;">Gene: _____ Mutation (HGVS): _____</span></p> <p><input type="checkbox"/> Repeat Expansion</p> <p><input type="checkbox"/> Other - please specify: _____</p> <p><b>Special Instructions (reflex order):</b> _____</p>		

- It is recommended to select "FULL ANALYSIS" to include ALL methodologies available for a given test. For example, with the Dementia panel test, methodologies for analysis include: full sequencing, dosage analysis (del/dup) AND repeat expansion. Clinicians also have the option to "reflex" testing where if a mutation is not found in the first methodology, analysis proceeds to the next methodology. Under special instructions if a clinician specified: "reflex 1. Sequencing, 2. Dosage, 3. Repeat Expansion", and a genetic cause was found in sequencing, there would be no charge for dosage or repeat expansion.
- There are some exceptions, where it is best to begin with deletion/duplication analysis. Individuals at LifeLabs Genetics can help you with this or this information can also be found at Genetic Test Registry by searching for the suspected condition.
- Panel vs Reflex vs Single Gene Testing  
It is important to conduct a complete risk assessment (including family history analysis) before choosing a multi-gene panel. Patients may require only a single-gene test for less cost. When multiple genetic etiologies are in the differential diagnosis, a panel may save time and money.

Genetic panels are recommended when there is more than one gene associated with a condition. If a panel is unavailable, multiple genes can be selected for analysis. With reflex testing, it is best to start with the gene with the highest diagnostic yield, usually beginning with sequencing and then reflexing to deletion/duplication analysis. To determine which gene has the highest diagnostic yield and whether to begin with sequencing or deletion/duplication analysis, consult the LifeLabs genetics staff who will be happy to assist.