

Sample Collection in Canada

LifeLabs Genetics is proud to offer equal access to genetic testing across Canada.

Ontario, Saskatchewan, and British Columbia

Find the closest LifeLabs collection centre at <http://locations.lifelabs.com>

Book an appointment online at www.lifelabs.com or by calling either

1-877-849-3637 (ON) or 1-888-333-0222 (SK) or 1-800-431-7206 (BC)

Quebec

Please contact Biron at 1-800-463-7674

Veuillez communiquer avec le numéro ci-haut

If you do not have access to a Biron collection centre, please contact us for other arrangements

Other Provinces and Territories

Please contact us to be directed to the closest Innomar collection centre

Accepted Sample Types

- Sample size: 2-8mL
- For newborns and small children, 2ml is sufficient
- Please note: when ordering more than one panel, please contact us for confirmation of the required volume of blood to be submitted.

EDTA tube

- Sample size: 10mL
- Clear - no blood contamination
- Maternal Sample: 1mL EDTA blood or 1ug purified DNA for maternal contamination analyses

Amniotic fluid

- Sample size: 5µg (10µg in case of NGS panels)
- We accept purified DNA with a ratio of absorbance at 260 and 280nm (A260/280) in the range from 1.6 - 2.1.

Purified DNA

- Sample size: 50µL of EDTA blood per circle (circles must be completely saturated)
- 10-20 filled in circles, depending on the type of analysis ordered
- Please note: when ordering more than one panel, please contact us for confirmation of the required number of filtercards to be submitted.

Filtercard

- Sample size: 10 villi
- Cleaned in RPMI media with fetal calf serum (FCS)

- Maternal Sample: 1mL EDTA blood or 1ug purified DNA for maternal contamination analyses

Chorionic villi

- Sample size: 2 x T25 flasks of amniocyte or chorionic villi cultures near confluence and sterile
- Cultures must be topped off with sterile medium immediately prior to shipping.

- Maternal Sample: 1mL EDTA blood or 1ug purified DNA for maternal contamination analyses

Cultures

- Sample size: 20mg
- Fresh frozen tissue shipped on dry ice
- Paraffin embedded tissue (ex: FFPE) - 25-50mg of tissue or 5-10 micron sections (thick) in a sterile tube

Somatic Genomics

- 5-10µm with marked area of enriched tumor or tissue paraffin block for macrodissection (min. 50mg of tissue)
- Fixation type accepted: 10% Formalin or 4% Paraformaldehyde or Frozen tissue from OCT-Cell blocks

Tissue sample

- Sample size: 1 x Oragene OG-510 collection tube
- Please pay careful attention to collection instructions, especially those related to eating, drinking, smoking, or chewing gum before giving your saliva sample.

Saliva

- Sample size: 3-5mL
- Please note: when ordering more than one panel, please contact us for confirmation of the required volume of blood to be submitted.

Cord blood

All frozen or prenatal samples should be sent directly to our sequencing partner, Centogene. Please contact us at Ask.Genetics@LifeLabs.com for more information.





Sample Transport

Filtercards, EDTA blood, cord blood & saliva

Samples can be sent via regular mail at room temperature. Liquid blood is stable for up to 4 days during transport.

Amniotic fluid

Minimum 10mL samples placed into a sterile conical tube. These should be shipped overnight at room temperature. Care must be given that the sample does not freeze.

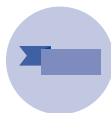
Chorionic villi

These specimens need to be shipped in a minimum of 35mL of RPMI transport medium with fetal calf serum at room temperature. The samples must be shipped in a manner to ensure the sample does not freeze (not below +4°C), especially during winter months.

Tissue samples

Fixed and paraffin embedded tissues should be shipped in sterile tubes at room temperature. Please do not send tissue fixed in Bouin's or gluteraldehyde.

Fresh-frozen tissue and frozen tissue from OCT-Cell blocks should be shipped on dry ice.



Sample Labeling and Documentation

Sample material must be labeled with the following information:

- Full name of patient
- Date of birth

The following documents should be included with the sample:

- A fully completed requisition form
- Requisition must specify the test being ordered, the ordering physician, and where to send the results
- Clinical information must be submitted. This enables our clinical team to generate a complete and accurate report. Any previous test results or family history will facilitate and improve the quality of information contained in the final report.
- Signed consent from the patient and/or legal guardian
- Contact information must be submitted on the requisition



Prenatal Testing

All prenatal testing should be shipped directly to Centogene. Please contact us for more information.

A maternal sample (1mL EDTA blood or 1ug purified DNA) is also required for maternal contamination analyses.



Storage and Archiving of Samples

All test material is stored for a minimum of 20 years, as long as the appropriate consent is received. The patient agrees to this archiving by signing the consent form. The patient may withdraw their consent at any time, at which point the sample will be destroyed.



Sample Rejection

All samples that are received without proper identification and where it is not possible to correctly identify the specimen have to be rejected. The referring physician will be notified and a new sample will need to be collected.