

REQUISITION – Familial Hypercholesterolemia Investigation



**Hamilton Regional
Laboratory Medicine
Program**

Juravinski Hospital

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Patient Information

*Name (print):

Surname, First Name

*DOB (DD/MM/YYYY):

*Sex: M F Other

*Health Card No.:

**Mandatory Information. Specimen cannot be processed without this data.*

Note: Specimen collection is NOT completed at this lab. Please proceed to any community lab for blood draw.

Reports To:

*Ordering Physician: _____

Clinic/Hospital: _____

*Phone: _____ Fax: _____

Email: _____

Physician Signature: _____

Additional Copies To:

*Name: _____

Clinic/Hospital: _____

*Phone: _____

Fax: _____

Email: _____

Please see the HRLMP Laboratory Test Information Guide (LTIG) for complete sample requirements and information about test panel:

<https://ltig.hrlmp.ca/>

SPECIMEN INFORMATION

Ship at room temperature. Refrigerate at 4°C if overnight or longer storage is unavoidable. Avoid freezing and exposure to excess heat.

Date drawn (DD/MM/YYYY): _____ Location of collection: _____

Peripheral blood in EDTA (4.0 mL)

DNA (minimum 1 microgram). Source: _____

TEST REQUESTED

Please note: failure to submit laboratory test results or complete information may result in testing delays.

Familial Hypercholesterolemia (FH) Panel - 8 genes: (LDLR, APOB, PCSK9, LDLRAP1, ABCG8, ABCG5, APOE, LIPA)

Known familial variant (provide details below)

Relationship to proband (parent, sibling, etc.): _____

Copy of report (or specimen ID if testing completed at HRLMP) **or** gene, variant, reference genome transcript number (NM#): _____

Is there an active pregnancy with a partner carrier involved? Yes No

ELIGIBILITY CRITERIA FOR FH PANEL TESTING

Individual must meet **one or more** of the following:

1. **Confirmed FH disease-causing pathogenic/likely pathogenic variant in a close blood relative**¹

2. **High LDL-cholesterol level of ≥ 8.5 mmol/L at any age**

3. **Untreated elevated LDL-cholesterol level (not due to secondary causes)**²

Specify: _____ mmol/L

Untreated LDL-cholesterol level ≥ 5.0 mmol/L for age 40 years and over

Untreated LDL-cholesterol level ≥ 4.5 mmol/L for age 18 to 39 years

Untreated LDL-cholesterol level ≥ 3.5 mmol/L for age under 18 years

AND at least one of the following:

Tendon xanthomas and/or corneal arcus in proband

First-degree relative (FDR) with high LDL-cholesterol level (not due to secondary causes)

Proband or FDR with early onset ASCVD (men under 55 years; women under 65 years)

Limited family history information (e.g., adopted)

4. **Clinical judgement:** Criteria above not met, but suspicion remains. *Describe:*

¹Close relative typically refers to first- or second-degree blood relative but may include a more distant relative in combination with additional family history or suspicion.

²If baseline/untreated LDL-cholesterol is unknown, an imputed level can be derived using the CardioRiskCalculator™ Imputed LDL-C Calculator