

Lab Use Only

Res Lab #: _____

Date Rec'd: _____

Time Rec'd: _____

Initials: _____

**National Inherited Bleeding Disorder
Genotyping Laboratory**Department of Pathology and Molecular Medicine
Queen's University, Kingston, Ontario**von Willebrand Disease Genotype Testing Requisition****Patient Name:** _____
(Surname, First Name)**Sex:** Male ☐ Female ☐**DOB:** ____/____/____
YY MM DD**Unique Identifier:** _____
eg. Health card #, Hospital #**CBDR#:** _____**Date of specimen collection:** ____/____/____ **Phlebotomist:** _____
YY MM DD**Referring Clinic:** _____ **Report to:** _____ **Fax #:** _____**Von Willebrand Disease:** ☐ **Type 2** _____ ☐ **Type 3** ☐ **Type 1C**
(subtype if known)**Testing: VWF:Ag** _____ IU/mL☐ **VWF:RCo** ☐ **VWF:GPIbM** ☐ **Other** _____ **Value** _____ IU/mL
(Indicate test performed)**Factor VIII:C** _____ IU/mL**Multimers** _____**Desmopressin trial** _____**Pregnant?** Yes ☐ No ☐Have samples from this family been sent to this lab before? Yes ☐ No ☐

If Yes, specify _____

Relationship to this patient _____

Sample Requirements:6 cc whole blood
EDTA (lavender top) or
ACD (yellow top) or
DNA**Ship to:****Attn: Gina Jones/Samira Kheitan**
Department of Pathology and Molecular Medicine
Queen's University, Richardson Laboratory, Room 201
88 Stuart St., Kingston, Ontario K7L 3N6
Tel: 613-533-3187 FAX: 343-344-2733
Email: NIBDGL@queensu.ca

National Inherited Bleeding Disorder Genotyping Lab Sample Collection Instructions

Requisitions:

1. Samples must be accompanied by a completed requisition form.
2. Submitted patients must have a documented rationale for testing:
 - For affected hemophilia A or B patients, a clotting factor activity level must be provided.
 - For VWD patients, VWF:Ag, VWF activity (specify test used), FVIII:C, and multimer information must be provided.
 - For carrier testing, a documented family history or a coagulation factor level must be provided.
 - For carrier testing, information on the family variant if available must be provided.
 - For prenatal testing, information on the family variant if available must be provided.
3. Incomplete requisition forms will result in delayed sample testing.

Sample Collection and Shipment:

1. Samples acceptable for testing:
 - Venous whole blood (minimum 6 cc) collected into EDTA (lavender top) or ACD (yellow top) evacuated tubes.
 - Expired tubes should not be used.
 - If blood is being drawn from an intravenous line for laboratory testing, two times the dead-space volume should be discarded.
 - When drawing blood specimens for several examinations during a single venipuncture, the "order of draw" shall be: (1) blood culture; (2) coagulation specimens; (3) serum tube with or without clot activator or gel; (4) heparin; (5) EDTA; (6) glycolytic inhibitor.
 - For prenatal samples, the referring clinic is responsible for extracting DNA from cultured amniotic fluid and performing maternal cell contamination (MCC) studies.
 - DNA (minimum of 15 µg at 150 ng/µL); for some cases smaller samples are acceptable.
 - Patient ID must be verified and samples labelled using two unique identifiers.
 - Samples shall be collected using routine practices/standard precautions.
 - Materials for sample collection shall be safely disposed of according to institutional protocols.
2. Ship packages on a Monday, Tuesday, Wednesday, Thursday as follows:
 - Shipping conditions: DNA (ambient temperature), unfrozen whole blood (cold packs), frozen whole blood (dry ice). Please note: Whole blood specimens collected in EDTA tubes are considered viable for up to 5 days when stored and shipped on cold packs. If shipment is delayed beyond 5 days from the time of collection, the specimen should be frozen and shipped on dry ice. Unfrozen blood samples are preferred and should be shipped on cold packs whenever possible.
 - Place the samples in sealable plastic bags with absorbent material.
 - Include completed requisition and consent form.
 - Ship overnight. Contact courier for complete shipping instructions.
3. Attach the following labels to the outside of the box/package:
 - Dry ice label (if applicable).
 - Return address label (including the contact name and telephone number).
4. Ship to:

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Results:

- Turnaround time is approximately 3 months from the time of sample submission but may be longer for rare genes or for carrier testing if familial variant is unknown.
- If the family-specific variant is known, urgent reporting can be completed within several weeks. Please indicate this on the requisition form.
- For prenatal testing, maternal cell contamination studies are the responsibility of the referring clinic.
- Results will be faxed only to the referring clinician or designate listed on the requisition.
- Results will also be entered into the Canadian Bleeding Disorders Registry (CBDR) when possible.