

VITREOUS / AQUEOUS FLUID SPECIMEN COLLECTION GUIDELINES



Please notify Michigan Medicine Laboratories (MLabs) Client Services prior to sending a vitreous fluid specimen. Vitreous shipping kits are available from MLabs and will be required in advance of the procedure. MLabs Client Services can be reached at **800.862.7284** or **734.936.2598** (local).

The recommended testing of Vitreous or Aqueous Fluid for evaluation of primary intraocular lymphomas and vitreoretinal lymphoma are the B Cell Clonality (IGH & IGK Gene Rearrangement) and MYD88 (L265P) Mutation assays available from MLabs Molecular Diagnostics Laboratory.

Resources Needed for this Protocol

- MLabs Client Services phone number (**800.862.7284** or **734.936.2598**)
- Shipment or courier method
- MLabs Molecular Diagnostics Vitreous Shipping kit
- Items included in vitreous shipping kit:
 - Test requisition form
 - Clinical History form
 - Patient specimen label
 - Refrigerated specimen bag and absorbent pad
 - Foil bubble wrap pouch
 - Cold pack (refrigerate at 4°C for at least 24 hours prior to shipping)
 - MLabs Exempt Human Specimens transport bag and return service label
- Syringe or EVA cartridge for specimen collection
- Refrigerator

Specimen Collection and Handling

Specimens should be shipped or transported within 24 hours of collection for optimal results but will be accepted regardless of the time from collection to receipt.

Submit as many of the following specimens as possible (listed in order of preference). If performing vitreous washes, it is preferred that the first wash dilution is submitted to ensure optimal results. There is no minimum specimen volume requirement for fluids.

1. Vitreous Fluid, undiluted: collect in 3 mL syringe (no minimum volume requirement).
2. Vitreous Fluid, wash dilution(s): collect in 3 mL syringe(s) (no minimum volume requirement).
3. Vitreous Fluid, vitreous fluid in the cassette or bag (directly from the vitrectomy machine) (no minimum volume requirement).
4. Aqueous Fluid: collect in 1 mL syringe (no minimum volume requirement).

SYRINGE

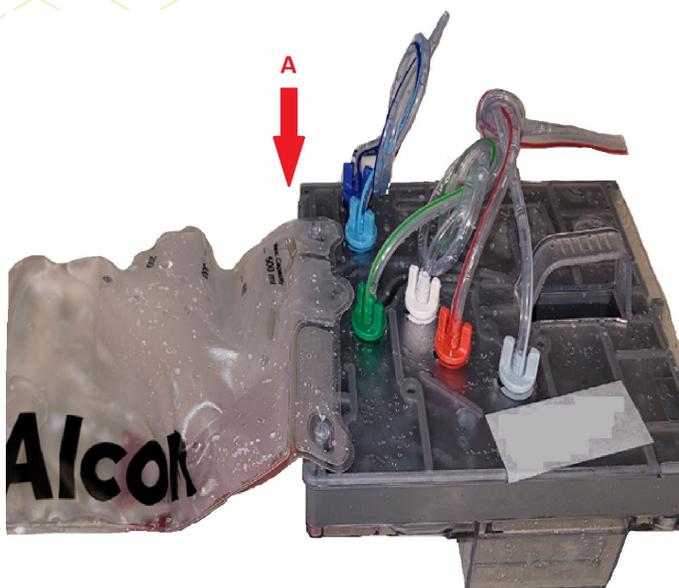
1. Carefully remove the needle and securely cap the syringe.
2. Label the syringe with the patient's first and last names, a second unique identifier such as date of birth or medical record number, laterality, and specimen source (vitreous fluid, vitreous wash, aqueous fluid).

VITREOUS / AQUEOUS FLUID SPECIMEN COLLECTION GUIDELINES

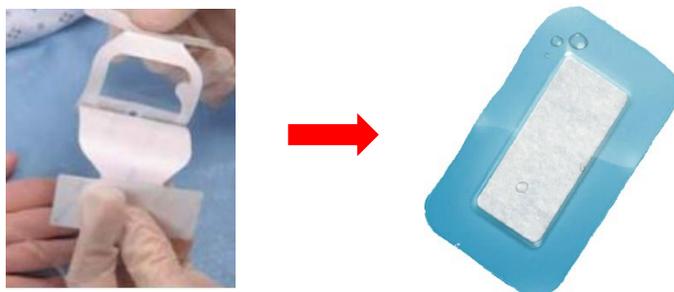
3. Refrigerate the cold pack supplied with the kit at 4°C for at least 24 hours before packaging the specimen. If you must transport the specimen with wet ice, double bag the wet ice separately from the bagged specimen.

CASSETTE

1. Disconnect the EVA cartridge from the vitreous cassette/collection bag [A]:



2. Seal all tubing to prevent leakage.
4. Label the cassette/collection bag with the patient's first and last names, a second unique identifier such as date of birth or medical record number, laterality, and specimen source (vitreous fluid).
5. If Tegaderm Transparent Film Dressing is available, gently peel the adhesive covering from the dressing and place the dressing on the cassette/collection bag to prevent leakage. Be sure not to obscure the patient label.



6. Refrigerate the cold pack supplied with the kit at 4°C for at least 24 hours before packaging the specimen. If you must transport the specimen with wet ice, double bag the wet ice separately from the bagged specimen.

VITREOUS / AQUEOUS FLUID SPECIMEN COLLECTION GUIDELINES



Required Information

Please complete all documentation and labeling with indelible ink to preserve documentation during the shipping and handling process. Printed labels are preferred to handwritten labels. Include the following documentation to accompany the specimens:

- Completed [Molecular Diagnostics Requisition](#) form to include:
 - Client and Ward codes unique to your institution
 - Patient first and last name and date of birth
 - Patient medical record number (MRN) if available
 - Billing instruction (client, patient, patient insurance). If patient insurance billing is selected, attach complete patient and insurance demographics.
 - Collection date
 - Laterality and specimen source (vitreous fluid, vitreous wash, aqueous fluid)
- Copy of the pathology report (even if preliminary).
- Copy of a recent, relevant clinical note.
- A copy of the most recent CBC and other relevant laboratory test results.
- Completed [Clinical History Form](#) if applicable.
- Notify MLabs of arriving specimen by calling MLabs Client Services at **800.862.7284** or **734.936.2598** (local) prior to sending the specimen.

Packaging and Shipping

1. All specimen containers must be labeled with the following required information. Printed labels are preferred to handwritten labels.
 - a. Patient's first and last name.
 - b. A second patient identifier such as date of birth or medical record number.
 - c. Laterality and specimen source.
2. Package specimens for transport to MLabs in the supplied vitreous shipping kit box for tracking.
3. Place the capped syringe or cassette/collection bag specimen in a refrigerated specimen bag with an absorbent sheet and seal. Place the specimen bag and cold pack in the foil bubble wrap pouch. Place into the transport box along with the completed requisition and clinical history documentation.
4. Please be careful not to contaminate the outside of the transport bags, paperwork, or box when handling. Refrigerate until ready to ship. Specimens should always be kept refrigerated at 4°C.
5. Place transport box inside the MLabs Exempt Human Specimens transport bag and seal. The MLabs transport bag should be used for UPS, FedEx, and couriered specimens. Call 800.742.5877 to schedule a UPS pick up.
6. Specimens can be sent via express mail or courier service to:

Michigan Medicine Laboratories (MLabs)
N-LNC Specimen Processing
2800 Plymouth Rd, Bldg 35
Ann Arbor, MI 48109-2800

VITREOUS / AQUEOUS FLUID SPECIMEN COLLECTION GUIDELINES



PLEASE BE ADVISED: The client is responsible for following all applicable U.S. Department of Transportation (DOT), International Air Transport Association (IATA), and International Civil Aviation Administration (ICAO) shipping guidelines for safety and compliance. Training and certification are available from Michigan Medicine via the links below and is required every two years to remain compliant.

- Create a '[Friend Account](#)' at University of Michigan
- [REGULATIONS FOR SHIPPING BIOLOGICS - INFECTIOUS SUBSTANCES CATEGORY B](#)
- [REQUIREMENTS FOR SHIPPING NON-DANGEROUS GOODS WITH DRY ICE](#)
- Contact MLabs Client Services if you have questions.

NOTE: Remaining specimen may be used as quality controls for specimen type validations, or other research purpose for improving diagnostic medicine or other medical advancements.

Questions

Call MLabs Client Services at **800.862.7284** or you may visit **mlabs.umich.edu**.