

VITREOUS / AQUEOUS FLUID SPECIMEN COLLECTION GUIDELINES



Please notify Michigan Medicine Laboratories (MLabs) Client Services prior to sending a vitreous fluid specimen. Vitreous shipping materials 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.

Specimen Collection and Handling

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.

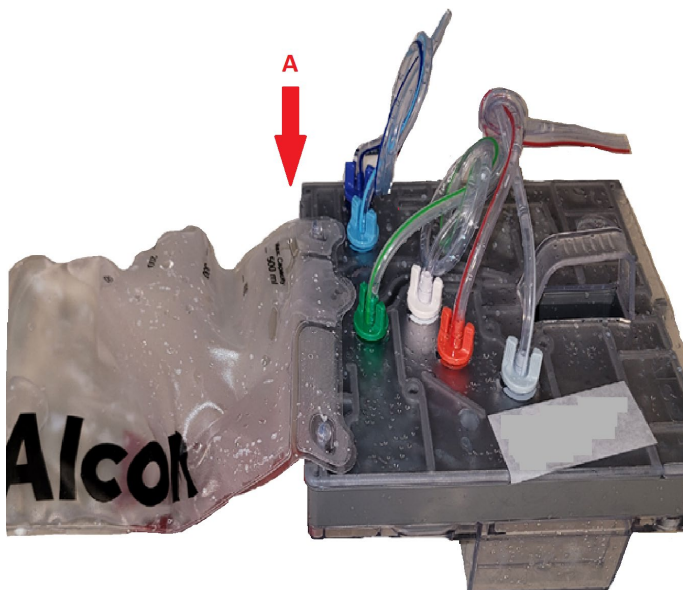
1. Vitreous Fluid, undiluted: 3 mL syringe
2. Vitreous Fluid, wash dilution(s): 3 mL syringe(s)
3. Vitreous Fluid, vitreous fluid in the cassette or bag (directly from the vitrectomy machine)
4. Aqueous Fluid: 1 mL syringe

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).

CASSETTE

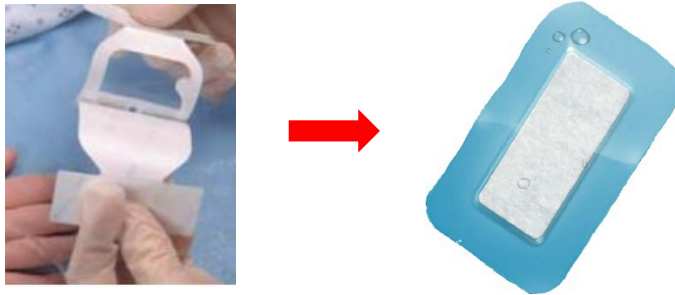
1. Disconnect the EVA cartridge from the vitreous cassette/collection bag [A]:



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2. Seal all tubing to prevent leakage.
3. 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).
4. 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.



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 and patient insurance information and demographics (or attached face sheet)
 - Collection date
 - Laterality and specimen source (vitreous fluid, vitreous wash, aqueous fluid)
- Completed [Clinical History Form](#).

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. Please be careful not to contaminate the outside of the transport bags, paperwork, or box when handling. Refrigerate until ready to ship. The specimen should be kept refrigerated using either a cold pack (recommended) or with wet ice prior to and during transport to MLabs; **do not freeze**. Freeze the cold pack 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.

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3. Place the capped syringe or cassette/collection bag specimen in a refrigerated specimen bag with an absorbent sheet and seal. Secure the specimen bag in bubble wrap. Place frozen cold pack into a transport box along with the wrapped specimen bag, the completed requisition, and clinical history documentation.
4. If shipping by **UPS**, place closed box inside UPS Laboratory Pak shipping bag and seal according to instructions. Call 800.742.5877 to schedule pick up. If shipping by **FedEx**, place closed box inside FedEx Clinical Pak shipping bag and seal according to instructions. If transporting by **courier**, place closed box inside courier shipping bag and seal according to instructions. Specimens should be shipped or transported to arrive Monday – Friday by 5:00 PM, excluding Michigan Medicine holidays. Do not send specimens outside of these timeframes unless prior arrangements are made through MLabs Client Services.
5. 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

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 specimens could 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.