



Stephen D. Anesi, MD, FACS
Partner and Co-President

Peter Y. Chang, MD, FACS
Partner and Co-President

Peter L. Lou, MD
Associate

Dear Colleagues:

If you are interested in sending specimen to Dr. Lyle's Laboratory at MERSI for O.C.T. processing for immunochemistry study, please do the following way (1 or 2):

1. Immerse specimen in Michel's medium for no more than 5 days. Keep it in 4 °C. The specimen can then be sent to us via express mail service in the Michel 's medium. We can then embed it in Tissue-Tek O.C.T. compound for the cryostat sectioning.
2. Alternatively, the specimen can be snap frozen with Liquid Nitrogen immediately when the tissue be cut and embed this frozen specimen in Tissue-Tek Compound (O.C.T.), always keep it in -80°C and then send it to us in **sufficient** dry ice by overnight mailing.
3. Please be sure to provide us enough size of specimen (at least 3x6 mm) with patient's brief clinical information.
4. You may get (O.C.T.) from:
"Richard-Allan Scientific"
Name-Frozen section medium
Cat. 6502
Tel:800-522-7270
5. Send to attn.: Dr. Tongzhen Zhao (to address above)
Before you send out specimen, please contact Dr. Zhao to notify her and to be sure that she will be here. Our lab is closed Saturday and Sunday. Please do not send on Friday.

If you have any questions please contact our Director of Corporate Development and Strategy Mirela Boyarin at (781) 901-9105 or mboyarin@mersi.com.

Massachusetts Eye Research and Surgery Institution

Appointments: (781) 891-6377 | **Toll Free:** (866) 353-6377 | **Fax:** (781) 647-1430

1440 Main Street, Suite 201, Waltham, MA 02451

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Diagnostic Services Available.

1. Routine Histopathology: In addition to the standard Haematoxylin and Eosin (H&E), Periodic acid-Schiff (PAS), and Giemsa staining, we use plastic embedding which is cut with glass knife to achieve very thin (0.1-0.2 micron) section of the ocular tissue.

2. Immunopathology

a. Immunofluorescence: This can be done for both conjunctival and scleral specimens. Staining is done for IgA, IgG, IgD, IgM, IgE, C3, C4, albumin (negative control), fibrinogen (positive control), and type IV collagen (positive control) to ensure high sensitivity and specificity in tissue diagnosis. In addition, immunofluorescent staining for anti-HSV and anti-VZV antibodies can be performed when a herpetic cause of conjunctivitis or scleritis is suspected.

b. Immunoperoxidase: This is only done on conjunctival specimen if the immunofluorescence result is equivocal.

Instructions for Specimen Submission: Please follow one of these procedures for tissue submission.

Procedure 1

The tissue can be fixed in O.C.T. and sent immediately in sufficient dry ice by overnight mailing. This is the ideal mode of submission and gives the best results.

Procedure 2

Alternatively, Immerse specimen in Michel's medium. The specimen can then be sent to us via express mail service in the Michel's medium. We can then embed it in Tissue-Tek O.C.T. compound for cryostat sectioning.

[Print form](#) to complete and mail with specimen.

Physicians interested in sending ocular tissue samples for diagnostic analysis should contact Dr. Zhao at 781-891-6377 for details on required patient information and packaging requirements.

If you live in the States of California, Florida, Maryland, New York, Pennsylvania, Rhode Island, or Washington D.C., please call Scott Evans at 617-620-8033 before submitting specimens.

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If your patient has the following insurance, please contact MERSI directly before sending specimen samples:

- Ambetter from CeliCare
- BMC
- Celtic Care
- Commonwealth Care Alliance
- Empire NY
- Free Care – HSN/Partial HSN
- FCHP
- GHI
- Golden Rule
- Kaiser Permanente
- Minuteman Health
- Optum Care
- Oxford Liberty
- International Insurance Plans
- Any form of Medicaid

For questions regarding insurance, please contact:

Ferida Tadic – MERSI Director of Operations: 781-891-6377

Ione Villafane – MERSI Supervisor of Billing and Surgical Scheduling: 781-891-6377

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MERSI IMMUNOPATHOLOGY LAB
1440 Main Street, Suite 201
Waltham, MA 02451
(Phone) 781-891-6377 (Fax) (781) 647-1430

TEST REQUISITION FORM

PATIENT INFORMATION

PHYSICIAN INFORMATION

Patient Name:		Physician Name:
Patient ID#:		Institution:
DOB:	SEX:	Address:
Insurance Company Name:		
Insurance ID:		
Subscriber Name:	DOB:	
Self Pay: Circle One – Y N		
Credit Card Name:		
Credit Card Number:		
Credit Card Exp Date:		
Lab Accession #:		

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Collection Date:	Time:	Phone:	FAX:
Specimen Type:			
Clinical History:		Physician Signature:	
		Physician Name (printed):	
Diagnosis:		Date Signed:	
TESTS REQUESTED			
Tests <ul style="list-style-type: none"><input type="checkbox"/> H&E<input type="checkbox"/> PAS<input type="checkbox"/> Giemsa<input type="checkbox"/> Immunofluorescence<input type="checkbox"/> Immunoperoxidase<input type="checkbox"/> Indirect Immunofluorescence		Comments	
SPECIMEN DELIVERY ADDRESS		CLINICAL LAB USE ONLY	
Send samples OVERNIGHT on cold packs to: MERSI IMMUNOPATHOLOGY LAB ATT: Dr. Tongzhen Zhao 1440 Main Street, Suite 201 Waltham, MA 02451 <small>Call lab @ 78.1-891-6377 prior to sending (ask for Dr. Zhao) See instructions for fixing tissue attached</small> Ship samples only Monday through Thursday		Date received:	Time:
		Specimen Type:	
		Report Date:	
		Sample Condition:	
		Comments:	
CLIA # 22D2017227			

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Michel's Transport Medium

Michel's transport medium (pronounced mee-SHELL) is used to transport specimens (such as renal biopsies and lymph nodes) for immunofluorescence studies. It is not a fixative and is not suitable for any other use (particularly, it is not suitable for transporting living cells for flow cytometry). It should be stored refrigerated (not frozen) until use. Specimens may be kept in it at room temperature until they can be delivered to the reference laboratory. Zeus Medium, a commercial product, is probably similar.

Michel's Transport Medium can either be ordered or made. Instructions for both are below:

Order Information

Poly Scientific R&D Corp

www.polyRnD.com

70 Cleveland Ave.

Bay Shore, NY 11706

1-800-645-5825 or 631-586-0400

Catalog #S2168

Instructions for making Michel's Transport

Medium 1.0M potassium citrate buffer pH 7.0:

Dissolve 21.0g citric acid monohydrate

9 or 19.2g citric acid anhydrous

In 30 mL of hot deionized or distilled water. Cool.

Adjust pH to 7.0 with 1 M potassium hydroxide (about 35

mL) Dilute 1 00 mL with more water.

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