



Biopsy specimens are typically obtained by percutaneous needle biopsy, and more rarely, by “open” wedge biopsy. Ideally, a minimum of **3 biopsy cores** are taken and should be assessed to ensure they contain cortex/glomeruli. If tissue cores cannot be assessed immediately and placed in the appropriate fixative/preservative but need “short-term” transport for assessment/allocation (ie, from biopsy suite to pathology), we recommend keeping the tissue moist with a small amount of saline or placing on a saline soaked Telfa. **Do not** use either of the fixatives for this type of short-term transport and **do not** allow the tissue to dry out.

The 3 cores should be allocated as follows:

- **2 cores placed in 10% neutral buffered formalin**
 - One core for Light Microscopy (LM)
 - One core for Electron Microscopy (EM)
 - Formalin is the preferred fixative for the EM core but glutaraldehyde/Trumps fixative is also acceptable
- **1 core placed in Michel’s Transport/Zeus preservative**
 - Used for immunofluorescence (IF) staining
 - The IF specimen should be a minimum of 0.6 cm in length and contain approximately 5 or more glomeruli

Required Information

The following **is required** to be included with the specimen prior to shipping. Failure to provide this information will result in delayed processing.

1. The patient’s full first and last name **and** a second unique identifier **must** be present on each of the specimen containers.
 - a. The name on the containers must match the paperwork being sent with the specimens.
 - b. Second unique identifiers include: patient medical record, specimen/accession number or order number, or patient’s birth date.
2. Complete the “Renal Biopsy Patient Information” form or provide Electronic Health Record printouts which include the following information:
 - a. **MCL Client Account Number**
 - b. **The referring/contact nephrologist’s name and phone number**
 - c. **A copy of the patient’s medical history and current relevant lab results**

Shipping Information

1. Ship biopsies as ambient. **Do not** place on ice, dry ice, or freeze the formalin or Michel’s/Zeus specimens.
2. Include all required paperwork/information from above in the biohazard bag along with the specimen.
3. Ship specimen and paperwork to:

Shipping address: Mayo Clinic Laboratories
3050 Superior Drive NW
Attn: Pathology – SDSC Building
Rochester, MN 55905