





If more than one core is obtained, handle each according to this protocol.

If a very small amount of tissue is obtained, allocate in regard to the clinical setting. Ordinarily, it is preferable to fix the tissue for EM and IF, since some LM information can also be obtained from the tissue studied in EM.

IF is most important in the diagnosis of anti-GBM disease and IgA nephropathies.

EM of a single glomerulus will usually permit a diagnosis in patients with immune complex disease. EM is necessary for diagnosis of Alport's/thin basement membranes.

3. Put the tissue into appropriate fixative: (guidelines for optimal division of tissue on bottom of page)
  - a). 2% glutaraldehyde for EM.
  - b). 2% paraformaldehyde (PF) for LM.
  - c). Michel's solution for IF.
4. Label vials. Tighten securely using appropriately color coded specimen tops. Pack to avoid breakage. Enclose data and clinical summary.

When you have the available tissue proceed to divide the tissue for processing. The optimal biopsy will have at least 20 glomeruli, Take an end piece off each end containing at least 1 glomerulus and put in 2% glutaraldehyde for a total of 4 glomeruli, if the biopsy has at least 2 good cores, for EM. Next cut a piece for IF that has at least 4 to 6 glomeruli from one of the cores and put in Michels'. That should leave you at least 10 glomeruli for Light Microscopy so place in 4% paraformaldehyde.

***For additional information or assistance , please contact VPLS : 1-800-551-5227***