



## RENAL BIOPSIES

**Synonym(s):** Kidney

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<b>Lab Section Category</b>	<b>Histopathology</b> Click here to find out more about the <b>write-up</b> ( <a href="/clinical-departments-centers/pathology/pathology-handbook/lab-discipline-special-instructions/pages/histopathology.aspx">/clinical-departments-centers/pathology/pathology-handbook/lab-discipline-special-instructions/pages/histopathology.aspx</a> ).
<b>Description</b>	<ol style="list-style-type: none"> <li>1. Label containers and complete Histo CPOE order.</li> <li>2. Renal biopsies are subjected to examination by light microscopy, electron microscopy and immunofluorescence. After the biopsy is done, samples must be divided carefully using a sharp blade to avoid crush artefact. A dissecting microscope is helpful in identifying tissue with glomeruli. The pieces of tissue are to be placed as quickly as possible into suitable containers with appropriate fixatives as indicated:           <ol style="list-style-type: none"> <li>(a) Light microscopy – modified Bouin's fluid (Dubossey fixative)</li> <li>(b) Electron microscopy – 2.5% glutaraldehyde in cacodylate buffer (the time for which the tissue is placed into fixative must be recorded)</li> <li>(c) Immunofluorescence – Fresh tissue is required. Specimen is wrapped in aluminum foil, placed in a cryotube and delivered to the lab on ice. Contact the laboratory (Tel: 6321 4008) for further information, if necessary.</li> </ol> </li> </ol>

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