It is recommended that for gross evaluation of the percutaneous renal biopsies, the clinician utilize the aid of a dissecting microscope to ensure the procurement of renal tissue that contains cortex.

Once the biopsy cores (1 or 2) are obtained, the standard approach is to first procure tissue for EM from each core by removing 1 mm cubes from the ends and placing them in Karnovsky’s fixative. The first core can then be cut in half by cross-sectioning and the larger piece placed in formalin (light microscopy [LM]); the smaller portion in Michel’s holding media (for immunofluorescence [IF]). If a second core is obtained, the ends should be taken for EM and the specimen again divided almost in half with the larger tissue core now kept for IF and the smaller for LM. See Figure at left. These solutions, if unavailable, can be requested from PSS Client Services.

A form for providing particular clinical information, “Clinical information form” along with an “HP-IP Pathology Specialty Services Request Form” should also be submitted.

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Professor of Pathology and Surgery
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We are available for providing advice regarding specimen preparation or other clinical issues at all times.

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