

## Fixation/Histopathology/Quantify Sclerosis

Kidney Services - Perfusion Fixation/Histopathology/Quantify Sclerosis

Expand

Perfusion-Fixation/Histopathology/Quantify Sclerosis Anesthetized mouse will be perfused with phosphate buffered saline (PBS) at 150-160 mmHg via a butterfly 23G needle inserted into left ventricle. One kidney can be harvested and the other kidney can be further perfused with 4% paraformaldehyde. Mouse kidney perfused with 4% paraformaldehyde will be embedded in parafine. Four-micrometer section can be processed and stained with hematoxylin-eosin (HE) or periodic acid Schiff (PAS). Glomerulosclerotic score can be calculated in PAS stained section. Mesangial matrix expansion occupying <25, 25-50, 50-75, or >75% of tuft is scored 1, 2, 3, and 4+, respectively, and no mesangial expansion was scored as 0.