

Tissue Microdissection

Services

Expand

Potential applications of laser dissection include the selective microdissection of islet cells for gene expression studies, harvesting and analysis of specific glomerular cells in diabetic nephropathy, and harvesting endothelial cells from diseased microvasculature. This Core has available a PixCell II laser capture microdissection device (Arcturus Engineering) and a PALM microdissection scope. These workstations perform laser capture microdissection simply, quickly and precisely. They are capable of locating single cells or large groups of cells and, using a simple aim-and-shoot method to extract them for subsequent molecular analysis (DNA, RNA, or protein).