

University of Delaware Comparative Pathology Laboratory, Newark DE

The UD Comparative Pathology Laboratory (<http://sites.udel.edu/canrcpl/>), located in the Delaware Biotechnology Institute in Newark, DE, is a full-service histology laboratory with an experienced full-time ASCP-certified histotechnician dedicated to histologic specimen preparation for animal disease diagnosis and research.

In support of specimen preparation, the laboratory has dedicated stations and equipment for:



Trimming- chemical hood

Paraffin embedding- *Leica EG1150H Embedding Center*

Tissue processing- *Leica ASP300 Tissue Processor*



Microtomy- *Leica RM 2255 Automated Microtome*

Automated slide staining- *Leica AutoStainer XL ST5010*



Laboratory clients are invited to use the Olympus BX40 microscope with **Nikon DS-Fi2 camera** and corresponding NIS Elements image analysis software for analysis. Additionally, the laboratory recently acquired advanced digital slide scanning equipment and analytic software for both brightfield (**Aperio AT2 slide scanner**) and fluorescent (**Leica Versa system**) virtual microscopic analysis, as well as for digital archival storage of specimens.

