Pathology Digital Imaging Core Facility
UW Pathology / NWBioSpecimen

Contact Us
nwbios@uw.edu

Services include brightfield histologic whole-slide scanning and image hosting, pathologist consultation, and quantitative image analysis.

**Whole Slide Scanning and Image Hosting**

- Scan resolution of 0.5µm/pixel (20x objective) or 0.25µm/pixel (40x objective)
- Web access to your high quality digital slide images stored on our server with full database backup
- Access digital slides on computer and iPad for capturing publication quality snapshots or quantifying image features
- Collaborate with co-investigators by sharing scanned slides, annotations, and analysis data securely

*Diagnostic quality brightfield images are generated with an Aperio ScanScope CS digital slide scanner.*

**Quantitative Image Analysis Services**

Quantify histologic features and immunohistochemical staining within tissue objects, cells, or other areas

**Tissue Classification**

- Membranous
- Nuclear

**Cell Quantification**

- Cytoplasmic
- Microvessel Density

**Tissue Microarray Analysis**

Combine tissue classification and area/cell quantification to automate TMA quantification.

- Quantification methods yield continuous variable data suitable for statistical analysis
- Final dataset and report returned to investigators
- Support for creating figures for grants/publications and presenting complex data in organized infographics

*More details available in PMID 22515559.

*We typically use the metric OD*%Positive Pixels (PMID: 22515559)