

## **Description of Equipment Need**

The New Jersey Department of Agriculture (NJDA), Animal Health Diagnostic Laboratory (AHDL) provides Histopathology services in the form of microscopic examination of biopsy and necropsy tissue specimens. These specimens are received from practicing Veterinarians, private food and companion animal owners, regulatory agencies, law enforcement agencies, racetracks, wildlife, zoos, and nonprofit animal facilities throughout New Jersey.

The AHDL is looking for a digital slide scanner to improve and enhance the current slide/case reporting process. This enhancement will enable the AHDL to view a digital version of prepared biopsy and necropsy tissue slides. In turn, the AHDL will be able to utilize this platform of digital slide viewing for all specimen/case reviewing that occurs at the AHDL. This would include all routine biopsy, necropsy, legal cases, disease detection cases, marine, zoo and all wildlife cases. An added intention with this purchase is that the AHDL would then have the capability to consult with other specialists in Pathology by using the virtual sharing capabilities of case teleconsultation. This feature would shorten the time necessary for case teleconsultation and report turnaround. Also, the digital slide scanner would provide an additional platform of digital software for educational purposes and outreach opportunities.

## **Equipment Specifications:**

Digital Slide Scanner, 100V AC-240 V AC/50-60 Hz

Automated slide loading with continuous scanning capabilities.

100+ slide capability.

Ability to autofocus during scanning.

Multiple options for Objective types (Minimum 4x up to 100x).

Brightfield and Fluorescent scanning options with selectable color filters for fluorescence.

Programmable delay of start and finish times for scanning.

Ability to real time edit scanned slides while scanner is actively running.

Ability to remotely connect for real time monitoring.

Ability to export data via USB.

Remote alarm connection capability for power failure or machine malfunction.

Motorized objective changer.

Automated preliminary slide previewing during scanning.

Digital Slide Management Software and Database for viewing and storage of scanned slides.

Barcode scanning for case retrieval.

Teleconsultation capabilities in real time.

Multiuser licenses for software (3-5 users)

10+tb capacity of storage.

Yearly Service Contract for Preventative Maintenance and Service Repairs.

Ability to add storage as needed.

A High-resolution Monitor for real time slide review while scanning.

All accessories (Mouse, Keyboard; Etc.) included for ease of usage.

