INVITATION FOR BIDS
OFFICE OF PROCUREMENT & CONTRACTS

1. **INSTRUCTIONS FOR BIDDERS**

   a. Sealed bids will be received in the Office of Procurement & Contracts, Mississippi State University, for the purchase of the items listed herein.

   b. All bids must be received in the Office of Procurement & Contracts on or before the bid opening time and date listed herein. Delivery of bids must be during normal working hours, 8:00 a.m. to 5:00 p.m. CST, except on weekends and holidays when no delivery is possible.

   c. Bidders shall submit their bids either electronically or in a sealed envelope. To submit electronically, follow the instructions below. Bids CANNOT be emailed.
      i. Sealed bids should include the bid number on the face of the envelope as well as the bidders' name and address. Bids should be sent to: 245 Barr Avenue, 610 McArthur Hall, Mississippi State, MS 39762.
      ii. At this time we only accept non-ITS bids electronically. For electronic submission of bids, go to: portal.magic.ms.gov.
      and use the RFX number on the next page as your reference number.

   d. All questions regarding this bid should be directed to the Office of Procurement & Contracts at 662-325-2550.

2. **TERMS AND CONDITIONS**

   a. All bids should be bid "FOB Destination"

   b. Bidders must comply with all rules, regulations, and statutes relating to purchasing in the State of Mississippi, in addition to the requirements on this form. General Bid Terms and Conditions can be found here:
   https://www.procurement.msstate.edu/procurement/bids/Bid_General_Terms_May_2019_V2.pdf

   c. Any contract resulting from this Invitation for Bid shall be in substantial compliance with Mississippi State University's Standard Contract Addendum:
   https://www.procurement.msstate.edu/contracts/standardaddendum.pdf

Bid Number/RFX Number: 25-02/RFX #3160007072
Opening Date: January 14, 2025 at 2:00 p.m.
Description: Whole Slide Scanner

Vendor Name: _____

Vendor Address: _____

Telephone Number: _____

Days the Offer is Firm: _____

Authorized Signature: _____

Name: _____

Title: _____

Item	Quantity	Description	Unit Price	Total Price
1	1	Whole Slide Scanner		

Whole Slide Scanner including Scanner Administration Manager software and ESlide Manager Software with optional service contract

General Specifications:
High performance, brightfield whole slide scanner that includes continuous loading with 450 slide capacity across 15 racks, priority rack scanning, automated image quality check and a scan speed of ~32 seconds at 40x scanning magnification for a 15 mm x 15 mm area. Will include server software and eslide image management software.

Additional optional item: 4 years of service contract for slide imager and ESM Hub support. Payment to be made at the beginning of each contract year.

Detailed Minimum Specifications:

Slides accepted for scanning: glass slides with coverslips affixed with mounting media
- 1-inch x 3-inch (2.54 cm x 7.62 cm) glass slides. Measurements comply with ISO 8037/1.
- Minimum slide size: 25 mm (wide) x 75 mm (long)
- Maximum slide size: 26 mm (wide) x 76 mm (long)
- Thickness: Optimized for range of 0.9 mm to 1.1 mm, excluding coverslip
- Maximum tissue thickness (including mounting media) optimized for 3-5 µm.

Label area
- 25 mm x 25 mm. Handwritten/printed non-transparent, matte (paper-like reflecting) sticker.
- Maximum label thickness 200 microns
- Minimum label size 12 mm x 25 mm
- Minimum of 0.5 mm between each side of the barcode and the edge of the label.

Racks accepted
- Leica HistoCore Spectra workstation racks (stainer and coverslipper)
- Leica Universal Rack 30-slide capacity
- Sakura Prisma Stainer and Coverslipper Rack 20-slide capacity

Scanning priority - By rack, up to 3 racks at a time.
Continuous loading of racks without interrupting scanning
Automatic slide loading up to 450 1 – inch x 3 – in slices.
Each slide scan is automatically calibrated
Each scan image is automatically checked for image quality during scanning
Scanning region ≤23.6 mm x 58 mm
Objective lens for native 40x scanning with 1 mm FOV (Field of View)
Brightfield imaging provided by 4k Trilinear camera
Overview image resolution: 13 µm/pixel for label, barcode, and tissue macro (overview image)
High resolution main imaging camera used to capture the label/barcode region
Automatic Tissue finding
Real-time automatic focusing system
Scan speed <32 sec/slide, 15 mm 15 mm at 40x
Option to scan slides at 20x magnification, providing a space-saving alternative.

Sustained throughput 81 slides per hour 15 mm x 15 mm (40x)
Scan output SVS and DICOM compatible
Scanning resolution 0.26 µm/pixel at 40x
File format Standard pyramid tiled TIFF with JPEG image compression
White LED Illumination
Linux Operating system
Barcodes supported: NW7, QR Code, Data Matrix, Interleaved 2 of 5, Code 39,
        Code 128, PDF417, MicroPDF417
Touch-screen
- 10.1"diagonal, IPS, 16:10, 1280 x 800 resolution
- Viewing angles: 85/85/85/85
- Contrast ratio: 800:1

Multiplane scanning generates a composite 3D image, allowing research pathologists to review slide samples at varying levels of thickness, akin to a traditional microscope. Enhanced ability to scan cytology slides.

Ensures quality control by triggering an automatic rescan of a slide when the system detects image quality issues arising from a tilted slide or tilted tissue.

Scanner produces images that are in an open file format and able to be viewed in multiple Image Manage Software platforms. Scanner image file format is vendor agnostic.

Image Mange Software is an open platform with the ability to view images from all scanner vendors and file formats.

Comprehensive digital pathology software solution for efficient management of whole slides and integrated case information in a secure, searchable, easy to use system. Can be housed on an physical or virtual server. Must include integrated web viewer providing comprehensive workflows and case management via standard browsers.

Software which allows the user to configure the scanner to their preferred specifications. The Software connects to the server to set up and monitor the operations of the scanner. May be housed on either physical server or a virtual server enables pathologists or other users of laboratory information systems to access digitally scanned slide images of a patient case from within the LIS system.

Software offers a tightly coupled integration between eSlide Manager and LIS systems that enables the launch of digital viewers through the LIS interface. The integration also ensures that the viewer launching the images is always synchronized with the case open on the LIS. This gives the users of the LIS confidence that they are launching and viewing the appropriate results and images in the digital viewer.

2 days of on-site installation

1 day of in-depth user training

Optional item: 4 years of service contract for slide imager and ESM Hub support. Payment to be made at the beginning of each contract year.