



KERALA UNIVERSITY OF FISHERIES & OCEAN STUDIES
കേരള ഫിഷറീസ്-സമുദ്രപഠന സർവ്വകലാശാല

PANANGAD P.O., KOCHI 682 506, KERALA, INDIA
 Phone:0484- 2703782, 2700598; Fax: 91-484-2700337; e-mail: utypanangad@kufos.ac.in



No.GA7/8226/2022

Date: /01/2023

e- TENDER NOTICE

E- tenders are invited for the Supply of “Rotary Microtome for the Dept. of Aquatic Environment Management, FFS, KUFOS, Panangad.

The Tender should be submitted as e- tender in the e- procurement portal of Kerala Government with detailed specification, Tender fee of Rs.1600/- and EMD of Rs.8,000/-, by means of e- Payment. The GST amount of the tender fee @18% should be remitted to the GST department directly by the bidder. More details will be available in the Office of Dr. Ranjeet K, Head, Dept. of Aquatic Environment Management, KUFOS Panangad, on all working days with the permission of undersigned. Our GST Regn. No. is: 32AAAGK0031QIZL.

All the terms and conditions applicable to University/Government quotations/Tenders are applicable to this Tender also. Right to accept the Tender in full or in part or to reject without assigning any reason is reserved to the undersigned.

REGISTRAR

To : Firms/ Programmer to Publish on the Website
 Copy to: Dean FFS/ Dr. Ranjeet K, Head, Dept. of AEM/ SF/ Spare

SPECIFICATIONS - HIGH END SEMI AUTOMATIC MICROTOME

- Semi Automatic Rotary Microtome: histological samples are to be cut (in 0.5µm increments) with the maximum precision and accuracy, ensuring high standards of user safety during the cutting phase.
- Feed motion step via step motor and precision micrometric screw should be available.
- Sectioning modes of sectioning/ trimming should be available and should be toggled with press of same button.
- Rock mode cutting should be available.(user selectable)
- Section thickness from 0.5 µm to 100 µm
 - from 0.5 to 5µm with 0.5µm increments
 - from 5 to 20µm with 1µm increments





- from 20 to 30 μm with 2 μm increments
- from 30 to 60 μm with 5 μm increments
- from 60 to 100 μm with 10 μm increments

- Trimming Thickness from 1 μm to 600 μm

- from 1 to 5 μm with 1 μm increments
- from 5 to 30 μm with 5 μm increments
- from 30 to 100 μm with 10 μm increments
- from 100 to 200 μm with 20 μm increments
- from 200 to 600 μm with 50 μm increments

- Vertical stroke of 70mm is required.
- Micrometric orientation of specimen with 0⁰ position.
- Buttons for specimen positioning by head movement should be available.
- Automatic retraction functions with the possibility to set the desired thickness. Retraction should be able to keep disabled as per technician/ user desire.
- Knife holder with finger guard and blade removal should be possible without contact for the user.
- Knife holder with 3 different predefined and engraved stop positions with “snap” system according to standard cassette dimension.
- Millimeter indicator of the position of the blade-holder cutting angle from 0⁰ to 10⁰
- Ergonomic retractable hand wheel with exclusive electronic lock in every position, avoiding accidental movement that could be dangerous for the user.
- The hand wheel should be balanced against gravity and should have the possibility of calibration. The hand wheel is expected to stay at any given position without moving unless touched.
- Three object clamps for cassettes (standard, supermega and universal) with quick release system. The clamp should be removable with no tools or allen keys but just with bare hands.
- Emergency stop push button should be placed in an ergonomic position.
- Spaciously designed section waste tray with fixing system.
- Roomy shelf equipped with removable tray
- Remote control equipped with LCD color display and functions available via easy – to- use interface.
- Visualization of cutting information on remote and on- instrument displays.
- Practical backlit panel for an immediate backlit or overlapping section evaluation or check of the right association between cassette and slide should be available integrated to the main instrument and switch to turn on/off the LED light should be with the on-instrument keyboard.
- Warranty Three years from the date of installation of the equipment.

