

Enquiry number: IITK/BSBE/AKT/2017/01

Date: 13th February, 2017

Request for submission of quotation for “Fluorescence Microscope”

Sealed quotations are invited (technical and price bid separately sealed) for a **Fluorescence Microscope** for biological applications having following features. The closing date for receiving application is **27th February, 2017, before 5 pm.**

Specification for Fluorescence Microscope

EPI Fluorescent Attachment:

The Epi-illumination is through 100 Watt High pressure Mercury Lamp in a Lamp House attached to the Fluorescence Filter Block. The exciting light spectrum range is 350nm – 580nm. The Fluorescent light spectrum range 420nm – 650nm Two exciting light waves B (blue light) and G (green light) Comprising of : Exciting filter (EX) comprising of - Blue light (EX- 490), Green Light (EX-545) Color Separation Prism (DM) comprising of - Blue Light (BA530), Green Light (BA590) Position of ordinary transmission light (Central)

Fluorescent Infinity Plan Achromatic Objectives: Plan FL Fluorescent objective 4x/ 0.10. Plan FL Fluorescent objective 10x/ 0.25. Plan FL Fluorescent objective 40x/ 0.65. Plan FL Fluorescent objective 100x/ 1.25

Stage: Double layer graduated mechanical rectangular stage with Size 210mmx140mm (Better), cross travel 75(X) x 50(Y) mm on ball bearing co-axial controls, driven right and spring clip specimen holder, on left

Digital camera system

• Image Sensor: COMS, Color, Progressive Scan • Optical Format:1/2.5 inch • Active Imager Size:5.9mm(H)X 4.28mm(V) • Active Pixels:2592H X 1944V • Pixel Size:2.4X2.4µm • Shutter Type: Global Reset Release, Snapshot Only, Electronic Rolling Shutter • Color Filter Array: RGB Bayer Pattern • Photo Resolution: Selectable Resolution for capturing images. • Data Interface: USB 2.0 • Lens Mount: Standard C-mount • Measuring Software: VMS 3.5

Nose Piece: Sextuple revolving nosepiece with a slot for analyzer or DIC slider

Illumination Box with LED lamp, Power Supply Unit 220 Volt & HBO, Super High – pressured Spherical mercury vapor lamp 100W. Orange colored Plastic screen to safeguard the Operator from UV light.

Computer system: i mac Core i5 2.8GHz/8GB/1TB/Intel Iris Pro 6200

Observation Head Siedentopf BINOCULAR observation head inclined at 30o and 360o rotatable. Diopter adjustment ring on ocular tube. Interpupillary distance from 53 to 75mm

Terms and Conditions:

- Maximum discount should be offered and mentioned.
- Copy of the items including relevant accessories with technical specifications should be mentioned in detail.
- Quoted price should include the cost for installation, warranty and required accessories.
- Validity of the quote at least for 90 days.
- FOB (indicating port of shipment) and CIF (New Delhi) values should be quoted separately if import is required. For quotes in INR, the price quote should be for delivery at IIT Kanpur.
- The quote should cover insurance for transport up to Kanpur.
- Indian agency commission if applicable (should be certified by the principal if no agency commission is applicable) in case of import.
- Authorization certificate from the principal if you are a local agent.
- Terms and conditions for the payment, including the banker's name of the principal and the account number, if any, for electronic transfer.
- Include proprietary item certificate if applicable.
- Technical literature to support your product (in technical bid).
- Users' list with contact address in technical bid.
- Participating company should have direct presence in India with relevant application and service specialist for anytime support.
- Requirement on warranty period from installation date not less than 2 years.

Kindly send hard copy of your quotation to

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