

Quotation/Tender Notice

Competitive Quotations /Tenders are invited from the firms for the purchase of **5** numbers of **Research Microscope WITH BATTERY BACK-UP** and **3** numbers of **STEREO BINOCULAR MICROSCOPE** ,for the Department of Zoology, University of Kerala, Kariavattom, Tvp, pin-695581, as per the Technical Specifications mentioned . Please forward the Quotation/Tenders with necessary details on or before **5 pm on 15/02/2020** to the Professor & Head, Department of Zoology, University of Kerala, Kariavattom

Technical Specifications

1. Research Microscope WITH BATTERY BACK-UP.

Certificate: ISO & CE certified

Stand: Single mold Sturdy stand with anti rust materials. Extended base for better stability with Ceramic Coated Stage Plate.

Viewing Bodies: Ergonomic Binocular 0° - 25° tilting Head, 360° rotatable, IPD 47-75mm

Eyepieces: Focusable wide Field eyepiece WF10x/23mm paired with foldable eye guards, Lockable, anti-fungus coating, graduated ring for setting of individual Eye Diopter.

Nosepiece: Quintuple Reverse angle nosepiece (Ball bearing type) with click stops and rubber grip, anti-gungus coating. PAR-CENTERED & PARFOCAL on CNC Machines.

Objectives: RP series DIN Infinity Corrected High Grade WF Plan Achromatic objectives 2.5x, 4x, 10x, 40x (spring loaded), 100x Oil (spring loaded) anti-fungus coating. 4x &10x Objectives have long working distance

Mechanical Stage: RACKLESS X-axis, Ceramic Coated double plate mechanical stage size 200 x 160mm X/Y travel range 76 x 40mm. Slide holder to accommodate up-to two slides.

Condenser: Sub-stage abbe Flip Top condenser NA 1.25 with aspheric lens and Iris diaphragm. Rack and pinion movements on stainless steel guides. Day light blue filter provided.

Focusing: Co-axial coarse and fine focusing on gear systems for extremely smooth operation.

Illumination: Kohler LED illumination with variable illumination control. Rechargeable Lithium Ion Battery , LED Life more than 50,000 Hours & Back-up Battery for use where Power Supply failure.

Electrical: For LED Input 180v-250v AC with removable imported cord.

PACKED in Styrofoam box, with operation manual, dust cover, cleaning cloth, power cord.

2. STEREO BINOCULAR MICROSCOPE

Optical System Greenough

Magnification Zoom 6:1

Eyepieces WF 10x/22mm Optional- 16X and 20X

Dioptre Correction $\pm 5D$

IPD 50-75 mm

Viewing Angle Binocular, 45° and Trinocular, 45°

Working Distance 110 mm

Magnification range 8x to 50x

Object field diameter 4.4 to 27.50 mm

Eyeguards Foldable

Illumination control Incident Light- LED Ring Light with options of ARC and circular illumination with intensity control.

Front Angle Arc illumination with cluster of 11 LEDs

Rear Angled Arc illumination with cluster of 12 LEDs

Circular Illumination with cluster of 23 LEDs

Goose neck for extra illumination

Transmitted Light Two options one with detachable BF/DF (Bright field/Dark field)

Second with preconfigured mirror base for transparent objects

Auxillary Objectives 0.5x, 1.5x, 2x

Reticules For length measurement & counting

Camera adapters CCD adapters 0.3x, 0.5x, 0.63x DSLR adapters for Canon, Sony and Nikon



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Professor & Head
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