

Inviting Quotations

Sealed Quotations are invited for the following equipments in the Department of Biotechnology as per the specifications given.

1. Research Microscope

Microscope with magnification from 10 to 80 X with built in camera

- **Objective Lenses:** 1x - 4x objectives should provide continuous zoom magnification. Viewing head rotates 360°.
- **Eyepieces:** Choose from paired widefield 5x, 10x, 15x or 20x eyepieces, all are 45° inclined, with dual diopter adjustments, interpupillary adjustment from 55mm to 75mm.
- **Total Magnification:** Zoom range of the following different magnifications
 - 5x eyepieces - 5x - 20x
 - 10x eyepieces - 10x - 40x
 - 15x eyepieces - 15x - 60x
 - 20x eyepieces - 20x - 80x
- **Specimen Stage:** Large 165mm wide x 220mm deep stage surface. Includes two 80mm stage plates (frosted glass and reversible black/white plastic contrast plates), blue filter for transmitted light and locked on stage clips.
- **Stand:** Mounted on an all-metal heavy duty post mount, should include locking support collar that permits up and down adjustments to accommodate different sized objects on stage.
- **Focusing:** Rack and pinion focusing with large dual focusing knobs with slip clutches to prevent damage to mechanism and should eliminate focus drift.
- **Illumination:** Should be cool and bright fluorescent light suitable for viewing the object at different intensities and 2D and 3D vision.
- **Should include** Software, calibration slide, USB cable, vinyl dust cover and operational manual.

Specifications of camera

- 5 - 12 mega pixel camera built into microscope. Capable of fixing or as trinocular
- With Imaging Device and appropriate software.
 - Minimum Illumination - 3 LUX
 - Should be capable of connecting to computer via USB Port - self-powered through computer.
 - Should be capable of capturing moving images at 10-20 frames per second.
 - Effective pixels 2048 x 1536.
 - Images should be captured and saved as either jpg, bmp or .img files.
 - A computer hardware with appropriate specification and a colour Printer should provide along with the Microscope

Head

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Warranty: Lifetime warranty for objectives, eyepieces and Camera with provision for software up gradation.



