

For Sr. No. - 02

Specification for Trinocular Microscope

Optical system	:	Universal Infinity Corrected Optical System.
Illuminator	:	Built-in-Koehler illumination for transmitted light, 6V30W halogen bulb.
Frame	:	Rigid with ergonomic design. Built-in Torque adjustable focusing knob.
Nosepiece	:	Inward facing quintuple nosepiece with a slot for analyzer.
Stage	:	Size 180-190mm X 130-135mm Movement range 75-80mm X-direction x 50-55mm Y-direction. Double slide holder.
Objectives	:	Completely field flat Plan Achromat Objectives 4X N.A. 0.10 & WD 18.5mm or better 10X N.A. 0.25 & WD 10.6mm or better 20X N.A. 0.4 & WD 1.2mm or better 40X N.A. 0.65 & WD 0.6mm or better 100X N.A. 0.9 & WD 1.0mm or better
Observation Tube	:	Trinocular observation tube inclined at 30° with field no. 20 mm or more, Interpupillary distance 48-75 mm.
Eyepiece	:	Paired 10X eyepiece with diopter adjustment with field no. 20 mm or more.
Polarizing Attachment:		Set of Polarizer and Analyzer.
Spares	:	Halogen Bulbs (2 nos.)

The system should be upgradable in future with Camera attachment and two colour based LED Arrow Pointer i.e. Green and Red.