

## **Technical Specifications**

### **FLUORESCENT MICROSCOPE:**

We require a FLUORESCENT MICROSCOPE with following specifications.

#### **SPECIFICATIONS FLUORESCENT MICROSCOPE**

Eyeiece - High eye point wide field plan eyepiece PL10X/22mm

Objective-

Infinity plan semi-apochromat fluorescent objective 4X/0.13

Infinity plan semi-apochromat fluorescent objective 10X/0.3

Infinity plan semi-apochromat fluorescent objective 40X/0.75

Infinity plan semi-apochromat fluorescent objective 100X/1.28

Centring objective for fluorescence observation

Viewing Head: 30° gemel trinocular viewing head, 360° rotatable,

interpupillary distance adjustable: 54-75mm, dioptre adjustable: +/-5, splitting ratio R:T= 0:100 or 100:0

Nosepiece: Introverted reversed quintuple nosepiece

Frame: Coaxial coarse and fine adjustment, with coarse

adjustment stop and tightness adjustment, range: 30mm, precision: 0.002mm. 100V-240V fluctuate of voltage, single high brightness 3W LED (predetermine filament center), intensity adjustable

Stage: 175X145mm double layer metallurgical stage, movable range: 50X75mm, percision: 0.1mm

#### **Phase Contrast Attachment**

Phase Condenser for Phase with Phase ring  
for 10x and 40x

Phase Objectives 10x and 40x

## **CAMERA - 5MP USB HDMI With Retina screen Specification:**

sensor-MT9P006

Sensor size - 1/2.5"

Pixel size- 2.2um

Preview resolution - 1920\*1080/capture resolution -2592\*1944

Frame rate:1920\*1080 15fps via usb2.0 & 1920\*1080 30fps via hdmi

Capture: SD Card

Video recording 1080 30fps@sd card 1080p 15fps @pc

Exposure time: 0.001s-1.5s

White balance: auto

PC software: IS capture

Interface: USB2.0 & HDMI

Compatible OS: xp, win7/8,32/64 bit mac 0.5x

Optical Port: Standard C-Mount (aluminium)

- **Conditions**

- 1) Should submit test reports no, test reports date, name of laboratory
- 2) 1 year on-site warranty
- 3) The quoted model must have last 5 years of working experience in any government organization with performance certificate
- 4) Minimum 10 instrument performance certificate in Gujarati in last 5 years
- 5) Before finalization of order supplier has to arrange working demonstration of the instrument.