



Ref: NITT/F.No.: 001/CAPEXP 35/2017-18/CHE/NA

Amended specifications for Inverted Fluorescence Microscope (Annexure I)

Last Date of submission of Tender : 16/02/2018 at 3.00PM

(all the other terms and conditions in the tender notification released earlier on 24.01.2018 hold good)

- Infinity corrected Inverted Microscope with Phase Contrast & Bright field.
- Quadruple nose piece (one more additional slot is preferred), coaxial coarse & fine focus with tension adjustment mechanism.
- LED light illumination with Voltage / Power 2.25V / 2.8W, Lifetime 50,000 hours (with minimum 5 years' warranty).
- Wide field Trinocular Head with field No.22mm with Light intensity ratio observation: Camera port 100:0 / 0:100.
- Wide field eyepiece 10X F.N.22mm (including diaphragm adjustment).
- XY Mechanical Stage with low drive controls with universal holder (Petri-dish, Terasaki – plate, Slide glass holders & etc.).
- Pre centered Phase Contrast Slider for 4x, 10x 20x & 40x objectives,
- 4X, 10X, 20X & 40X Achromat Phase objective (pre centered) with long working distance
- LED Fluorescence illuminator (Two slots for Blue and Green filters) Lifetime more than 10,000 hours (with provision of two more additional slots).
- Camera - 5 Mega Pixel CMOS Camera suitable for Fluorescence & phase contrast imaging with USB 3 port for faster data transfer.
- Image analysis Software-Area, diameter, Time lapse, image stitching, multipoint, Z series control, (optional-multichannel imaging and auto measurement)

Sd/-----
Purchase initiator