


Research Microscope with Digital Imaging System**Specifications:**

- 1) **Microscope Body:** Upright should be infinity corrected optical system. Upgradable to fluorescence attachment.
Nosepiece: Capable of having Seven objectives at a time.
Condenser: Suitable Condenser for Bright field & phase contrast
- 2) **Illumination System:** LED illumination with lifetime of 50,000hrs or more.
- 3) **Eyepiece lenses:**
Option: 10x paired wide field eyepiece with **F.O.V. 20mm** or more with diopter adjustment on both sides
- 4) **Eyepiece Tube:** Three Way Trinocular tube for simultaneous view on microscope and Camera.
- 5) **Stage:** Rectangular stage with right hand control and adequate space for keeping two slides together for comparison.
- 6) **Objectives:**
 - a. Plan Achromat 4X (NA 0.10 or higher),
 - b. Plan Achromat 10X (NA 0.25 or higher),
 - c. Plan Achromat 20X (NA 0.40 or higher),
 - d. Plan Achromat 40X (NA 0.65 or higher),
 - e. Plan Achromat 100X Oil (NA 1.25 or higher)
- 7) **Camera:**
Digital Scientific color CMOS /CCD 5MP camera with pixel size of **2.2 μ m X 2.2 μ m** or 3 μ m X 3 μ m suitable for Bright Field, Phase Contrast and Florescence application. Microscope, Objective, camera and software should be from same manufacturer.
- 8) **Software: (Optional)**
Licensed imaging software for Image Acquisition, Video recording, measurements like length, width, area etc. and manual cell.
- 9) **Computer**
Branded PC with i5 or move advanced processor, minimum 4 GB RAM, 1TB HDD or higher, Original Windows OS 8 or 10 , DVD RW, at least 21 "TFT monitor, keyboard, mouse, online UPS.
- 10) **Certifications:** ISO, TUV, UL, USFDA, EUROPEAN CE (**ANY TWO**)
- 11) **Demonstration:** There should be provision for demonstration if required.
- 12). **System** should be provided with at least two year warranty and AMC.
- 13) On sight training by company expert annually for a period of two years.

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