

TECHNICAL SPECIFICATION
LED FLUORESCENT MICROSCOPE

1. The basic instrument should have a binocular head.
2. It should have wide field eyepieces of at least 10x/20 mm.
3. It should have diopter adjustment on both eyepieces.
4. It should have reversed quintuple revolving / quadruple nose piece on ball-bearings.
5. It should have high quality Achromatic Objective lenses of 4x, 10x, 40x, 100x oil immersion infinity corrected objectives.
6. The basic instrument should have fluorescence objective FL 10x and 40 x both
7. All optical parts should be anti-fungus treated.
8. It should have double slide Holder.
9. It should have at least 140x 135 mm stage.
10. It should have height adjustable condenser with iris diaphragm and filter holder.

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Continued on Page 2.....

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11. It should have at least diascopic LED illumination with adjustable intensity with internal power supply of at least 80-250 V (CE) / Reflected fluorescence Unit power unit 110 V / 220 V

12. It should have at least Reflected 450 nm LED epi-illumination attachment with a single cube with filters for Auramine-O fluorochrome.

13. It should be delivered with power cord and dust cover.

14. The apparatus should conform to IS:4381-1967 (reaffirmed 2007) with latest amendments or equivalent national or international standards for general requirements for optical components and optical instruments, marking and packing.

15. Voltage regulator of appropriate rating to be included to cope with 160-260 V.

16. The system should have ISO / CE under laboratory (UL), FDA certification.

17. The complete unit should be provided with 5 years comprehensive warranty including hardware, software and spares.

Certified that the specifications are broad based, general in respect to the requirement and does not suit to any particular firm/ Brand

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