

Annexure-A

Light microscope

- Zoom ratio should be 9:1 or more
 - Magnification should be from 6x to 55x with 1x Apo objective and 10x Eyepiece
 - 1x objective should have a working distance of 120mm or more
 - 12mm or better Depth of Field with Fusion Optics and Greenough optical design and Field of View up to 37mm or better
 - The maximum resolution should be 500 lp/mm or more
 - The entire optical system should be Apochromatic with Greenough design
 - Clickstops at 6x, 10x, 20x, 30x, 40x, 50x and 55x– inspection at specific magnification can be easily repeated
 - Eyepieces pair: 10X (F.N. 23) with 35° inclinations. Interpapillary distance should be 50 –75 mm or better
 - Long Focusing column with focus drive or stroke.
 - High power LED light for reflected and transmitted illumination. Reflected light with oblique illumination, 4 point ring light for high brightness, 3 point arc light for oblique illumination for better contrast with service life of 25000 hours
 - Transmitted light with cantered LED for contrast enhancing. LED light temperature can be 6000K colour temperature with service life of 25000 hours.
 - Antistatic polymer microscope dust cover.
 - At least 5 or more user’s details shall be provided for the same model. Microscope details shall be available on manufacturers website with catalogue.
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