

INVERTED FLUORESCENCE MICROSCOPE

Microscope Body:

- Inverted trinocular model with an infinity-corrected optical system.
- Features a sextuple revolving nosepiece, capable of holding six objectives simultaneously.
- Light distribution options include 0:100, 50:50, and 100:0 or better, between the eyepiece and camera port.
- Supports multiple observation techniques, including Brightfield, Phase Contrast, and Fluorescence.

Objectives:

- Plan achromatic, long working distance objectives optimized for Brightfield, Phase Contrast, and Fluorescence imaging.
- Includes the following:
 - 10X (NA 0.25) PH
 - 20X (NA 0.40) PH
 - 40X (NA 0.60) PH
 - Semi-APO 63X (NA 0.70) PH

Eyepiece:

- 10x magnification with a field of view (FOV) of 22 mm.
- Includes diopter adjustment for precise focusing.

Condenser:

- Long working distance condenser with a numerical aperture (NA) of 0.55.
- Minimum working distance of 27 mm, suitable for both Brightfield and Phase Contrast imaging.

Transmitted Illumination:

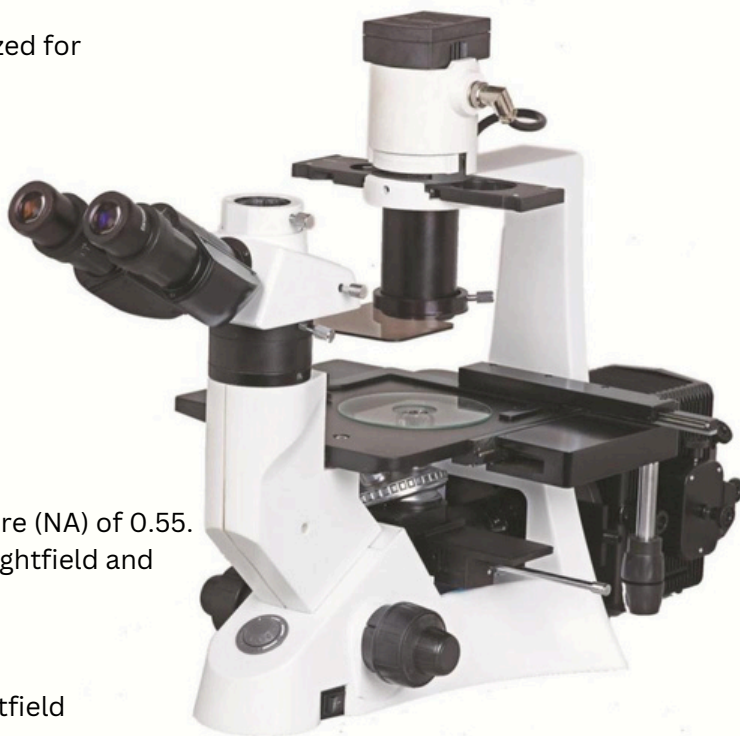
- Equipped with a scientific-grade, cool white LED for brightfield applications.
- Expected LED lifespan is 50,000 hours.

Stage:

- XY stage with universal sample holders to accommodate Petri dishes, flasks, glass slides, and multi-well plates.

Fluorescence Illumination:

- LED-based system with a turret accommodating 8-10 fluorescence filter positions.
- Excitation range covers UV to Cy5 wavelengths.
- Features a dedicated control panel for managing illumination.
- Pixel shift-corrected fluorescence filters for DAPI/Hoechst, GFP/FITC, and TRITC/Rhodamine.



TM-10



MICRO MEASURES & INSTRUMENTS



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