

**OPTOLAB"  
INVERTED TISSUE CULTURE MICROSCOPE  
TECHNICAL FEATURES**

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Main Body	An ultra modern and sturdy microscope designed for utmost convenience and durability. Equipped with ball bearing quadruple nosepiece, built in co-axial mechanical stage and powerful halogen illuminator. OPTO LAB is offered with plan bright field optics as model TCM-BR and with Plan Phase objectives as model TCM-PHT for observations of unstained living specimens.
Focusing System	Co-axial coarse and fine focussing system supported on ball bearing guides with tension control ring and prefocus stopper for safety of objectives/specimen slides. Highly sensitive fine focusing reading to 0.002mm.
Mechanical Stage	Extra large built in Mechanical Stage, size 200x140mm with low position co-axial controls for smooth cross travel 75x30mm.
Illumination	Super bright 6V-20W Halogen Bulb system with high grade condenser system for brilliant illumination controled through solid state electronic regulator in the microscope base.
Trinocular Head	Sidentopf Trinocular head with interpupilliary adjustment. Accepts photomicrography equipment or CCTV/Video equipment etc.
Condenser	Ultra long working distance condenser, working distance 70mm for uniform brilliant illumination.
Magnification Range	Standard from 40x-400x and optionally upto 800x which can be further extended



**Model : Optolab TF PH**

**Inverted Fluorescent cum Phase Contrast cum Bright Field Microscope**

OPTOLAB TF-PH is an upgraded version of OPTOLAB Series Inverted Microscope and is supplied with incident fluorescence attachment having HBO-100W Mercury VApour Lamp, Power supply and a set of four filter block. B,G,UV and R to suit all excitation technique. OPTOLAB TF-PH incorporate a high resolution turret Phase Contrast equipment with Plan optical system and ultra long working distance condenser to make a universal, multipurpose microscope providing facilities of fluorescence, Phase contrast and bright field observation in one unit.

OPTOLAB TF-PH is supplied with following high resolution Plan optics specially designed for fluorescence microscopy and multipurpose observation facilities. Eyepiece: (2 pairs) WF10X, WF15X Plan Phase Objectives PLPH-4x, PLPH-10x, PLPH-25x, PLPH-40x. Supplied with following objectives for fluorescent microscope PLF-10x, PLF-20x, PLF-40x. The microscope can be supplied with digital, coloured camera for video display as well as computer compatibility with software etc. according to specific requirements. CODE: OPL-7095



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