

Ceti Vertex-FL LED Trinocular Inverted Microscope

Product Code: 3990.5000M

Brand: Ceti

Ceti's Vertex-FL LED Trinocular Inverted Microscope is a substantial, superbly engineered microscope that has been specially developed to produce exceptionally high-quality, high contrast phase contrast and brightfield images of your specimens.

The controls are ergonomically positioned and the large stage, with its range of standard accessories, allows you to observe almost all classes of specimens on the microscope.

This inverted microscope features 3W S-LED illumination and phase contrast as standard but can also be configured with Hoffman Modulation Contrast (HMC) or 3D Emboss Contrast, both of which can be used with glass or plastic dishes to increase specimen contrast. This makes it suitable for advanced research applications. The included mechanical stage can be fitted with a variety of holders for Petri dishes, slides and well plates and the condenser can be removed to allow the stage to accept larger flasks or cell factories.

An optional photo port is available, along with 1x and 0.5x C-Mount relay lenses. This model also comes with an epi-fluorescence attachment. This can be configured with up to 3 filter blocks.



Features

- Large base to ensure stability whilst viewing flasks, slides and dishes
- Super wide-field 10X, FN22 eyepieces with dioptic adjustment for a wide field of view
- Quintuple, reversed nosepiece with four LWD Infinity Corrected Plan Achromatic objectives
- Eyepiece tube with side mounted photo port to accept digital microscope cameras
- Bright, white LED transmitted illumination with intensity control

Specifications

Optical Head	Trinocular, inclined at 45°
	Interpupillary Distance Adjustment (Siedentopf Type): 48 to 75mm
	Dioptic adjustment on both eyepieces
	Side mounted camera port (100/0 : 0/100)
Eyepieces	10x/22mm super wide-field
Objectives	4x, 10x, 20x, 40x Infinity Corrected Plan Achromatic
Condenser	N.A. 0.3, W.D. 75mm, without condenser W.D. 187mm
Phase System	Condenser with 4x Phase Annular Plate 10x, 20x, 40x Universal Annular Phase Plate
Hoffman Phase	Hoffman condenser and 10x, 20x, 40x objectives
Relief 3D Contrast	Emboss Contrast 10x, 20x, 40x Universal Emboss Contrast Slider
Epi-Fluorescence	Filter cubes with noise terminator mechanism with up to 3 Epi-fluorescence filter cubes and attachable contrast shield
Stage	170 x 250mm
	With separate attachable mechanical stage (129 x 80mm)
Focusing Knobs	Coaxial coarse and fine with stop
Mains Power	220 - 240V/50 - 60Hz
Illumination, Transmitted	3W LED with intensity control
Illumination, Reflected	3.6W LED with intensity control with built-in Fly-eye lens (Blue/Green/ UV Fluorescent LED units)
Supplied With	Blue and green filter, 2 spare fuses, immersion oil (10ml), soft rubber eyecups, dust cover, and instruction manual

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