

Vertex Inverted Epi-Fluorescence Microscope

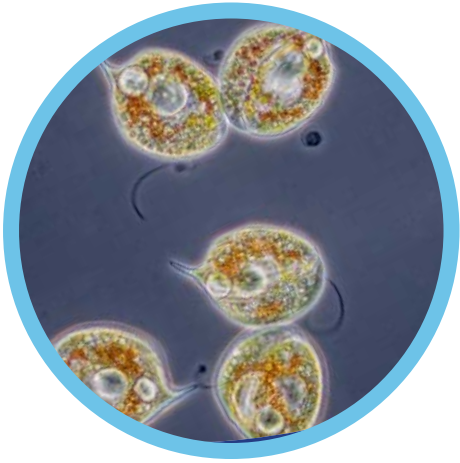
The Vertex-FL trinocular inverted microscope is a substantial, superbly engineered microscope that has been specially developed to produce exceptionally high-quality phase contrast and brightfield images of your specimens. The controls are ergonomically positioned and the large stage, with its range 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 three filter blocks.

Specifications

Cat. No.	3900.5000M
Optical Head	Trinocular, inclined at 45°, Side mounted camera port (100/0 : 0/100)
Siedentopf	Yes (48 to 75 mm interpupillary distance)
Dioptrre	Dioptric adjustment on both eyepiece tubes
Eyepieces	10x/22 mm super widefield
Turret Format	Quintuple
Objectives	4x, 40x LWD Plan Achromatic, PH10x, PH20x, PH40x LWD Plan Achromatic
Objective Type	Finite
Condenser	N.A. 0.3, W.D. 75 mm, without condenser, working distance 187 mm
Stage Size	170 x 250 mm With separate attachable mechanical stage (129 x 80 mm), accepts 5 types of micro-testplate, well clamper and stage clip
Focusing	Coaxial coarse and fine with stop, tension adjustment ring, fine division 1 µm, fine stroke 0.2 mm
Illumination - transmitted	3W S-LED with intensity control with built-in fly-eye lens
Illumination - reflected	100W HBO Wavelengths available 365 nm, 405 nm, 485 nm & 525 nm.
Package	Three filter cubes blue, green and UV filter, two spare fuses, immersion oil (10 ml), soft rubber eyecups, dust cover, and instruction manual
Additional features	<p>Phase System: Condenser with 4x Phase Annular Phase 10x, 20x, 40x Universal Annular Phase Plate</p> <p>Hoffman Phase: Hoffman condenser and 10x, 20x, 40x special objectives</p> <p>Relief 3D Contrast: Emboss contrast 10x, 20x, 40x universal, special emboss contrast Slider</p> <p>Epi-Fluorescence: Filter cubes with noise terminator mechanism with up to 3 epi-fluorescence filter cubes and attachable contrast shield</p> <p>ECO Lighting Function: Light source automatically off in 15 minutes</p>



Controls are **ergonomically** positioned

10x / 22mm widefield objectives



Accessories

Cat. No.	Description
2757.2060M	Ceti Magnum and Versus microscope 0.5x camera mount
2757.2050M	Ceti Magnum and Versus microscope 1x camera mount
9558.0005	Ceti WFHD5C 5 MP microscope camera with HDMI, Wi-Fi and SD card
9556.5600M	Ceti 5 MP Digi-Pad microscope tablet camera with 9.7 inch 1080P screen, 15 FPS capture/record software, HDMI, Wi-Fi, Bluetooth, x2 USB and TF card expansion
9558.0063	Ceti 6.3 MP digital microscope camera with capture software
9558.0018	Ceti WFHD5C 5 MP microscope camera with HDMI, Wi-Fi and SD card