

## Vertex Inverted Epi-Fluorescence Microscope

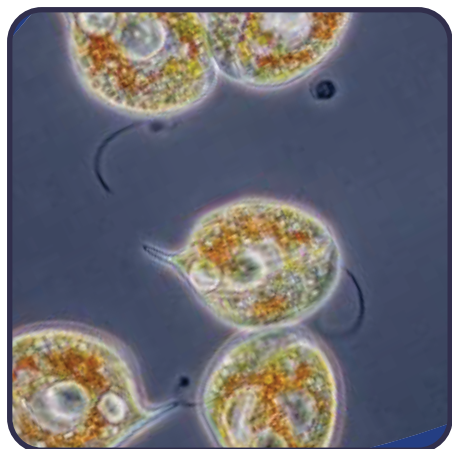
The Vertex-FL trinocular inverted microscope is a substantial, superbly engineered microscope that has been specially developed to produce exceptionally high-quality phase contrast and brightfield images of your specimens. The controls are ergonomically positioned and the large stage, with its range 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°,<br>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,<br>working distance 187 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Stage Size                 | 170 x 250 mm<br>With separate attachable mechanical stage (129 x 80 mm),<br>accepts 5 types of micro-testplate, well clasper and stage clip                                                                                                                                                                                                                                                                                                                                                                                                           |
| Focusing                   | Coaxial coarse and fine with stop, tension adjustment ring,<br>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),<br>soft rubber eyecups, dust cover, and instruction manual                                                                                                                                                                                                                                                                                                                                                                                                      |
| Additional features        | <b>Phase System:</b><br>Condenser with 4x Phase Annular Phase<br>10x, 20x, 40x Universal Annular Phase Plate<br><b>Hoffman Phase:</b><br>Hoffman condenser and 10x, 20x, 40x special objectives<br><b>Relief 3D Contrast:</b><br>Emboss contrast 10x, 20x, 40x universal,<br>special emboss contrast Slider<br><b>Epi-Fluorescence:</b><br>Filter cubes with noise terminator mechanism with up to 3 epi-fluorescence<br>filter cubes and attachable contrast shield<br><b>ECO Lighting Function:</b><br>Light source automatically off in 15 minutes |



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                                                                                              |