

## Delphi-X Inverso Microscope

Item# EDI-1053-PLPHFI

**Inverted microscope for BF and PH observation**

### Eyepieces

- Pair of DIN HWF plan 10x/25mm eyepieces.

### Head

- Trinocular 45° inclined tubes. Interpupillary distance of 47 to 78mm. Trinocular head with 100/0, 80/20 and 0/100 positions.

### Nosepiece

- Revolving sextuple nosepiece on ball-bearings. The nosepiece can be equipped with DIC prisms for 10x/20x/40x and 60x objectives for future DIC observation.

### Objectives

High numerical aperture Infinity Semi-Apochromatic LWD plan phase Fluarex™:

- PLPHFI 10x/0.30 WD 10.2mm
- PLPHFI 20x/0.45 WD 7.5 to 8.8mm
- PLPHFI 40x/0.60 spring WD 3 to 4.4mm

Objectives 20x and 40x are equipped with collar adjustment ring for glass thickness from 0 to 1.2mm

*All optics have an anti-fungus treated and anti-reflection coated for maximum light throughput.*

*Fluarex™ objectives are made of low-absorption glass.*

*Fluarex™ is a trademark of Euromex microscope bv.*

### Stage

- Stage 340 x 230mm equipped with a coaxial mechanical 130 x 85mm X-Y stage, delivered with:
  - Metal insert for Ø 38mm cell culture dish
  - Metal insert for Ø 54mm cell culture dish or 76x26mm slides
  - Metal insert for multiwell plates (127.76 x 85.48mm)
  - Metal insert for Terasaki plates (83.3 x 58.0mm)



### Condenser

- Rotating N.A. 0.55 condenser with 6 positions, iris diaphragm and filter holders. WD 26mm, supplied with PH annuli for 10x/20x, 40x and 60x objectives, brightfield position and slots for DIC prisms plus 3 filter holders that allows the insertion of Ø 38mm filters in the optical path.
- The arm with condenser can be tilted backwards for convenient access to the stage and place large objects like flasks and petri dishes.

### Magnification Changer

- An intermediate lens changer with a 1.5x lens allows intermediary magnification of 1.5x times the standard objective. For example, switching 20x to 30x or from 40x to 60x magnifications without the need to change objectives.

## Fluorescence Filter Set Wheel

- The Delphi-X Inverso comes with a 6-position fluorescence filter set wheel ready to hold fluorescence filters for future observation. (Fluorescence filters are not included)

## Focusing Adjustment

- Coaxial 10mm coarse and fine adjustments, 1 $\mu$ m precision and friction adjustment.

## Illumination

- Transmitted 5W LED with intensity adjustable with internal 100-240VAC power supply. Fuse holder 5A/250VAC.

## Package Contents

- Supplied with:
- Metal insert for  $\emptyset$  38mm cell culture dish
- Metal insert for  $\emptyset$  54mm cell culture dish with 76x26mm slides
- Metal insert for multiwell plates
- Metal insert for Terasaki plates
- Blue and green  $\emptyset$  38mm interference filters
- Power cord, dust cover. Green filter, alignment telescope for PH observation. User's manual.