

Inverted Microscopes

INVERSO



Trinocular inverted biological microscope.

An inverted microscope for both routine and research level work, the unit is complete with a trinocular head (binocular viewing head and vertical photo port) and a beam splitting prism for optimizing the halogen illumination. The long working distance planachromatic objectives and selection of eyepieces give a magnification range from 40x up to 800x.

The phase contrast set allows for viewing of semi-translucent subjects. The stage features a removable microplate holder with XY movement and the swing out condenser allows tissue culture flasks up to 70mm thick to be viewed with ease.

Product reference. 3650.0000

Technical Specifications:

Optical head:

- Trinocular, inclined at 30°
- Interpupillary distance adjustment: 55 to 75mm
- Dioptric correction on one eyepiece tube

Eyepiece:

- 10x/18mm wide-field

Objectives:

- 10x, 25x, 40x long working distance planachromatic
- 10x, 25x, 40x phase contrast

Condenser:

- Annular slide diaphragm for brightfield, LWD N.A 0.40
- Iris diaphragm
- Focusable with rack & pinion height regulation system
- Condenser centering device

Stage:

- 220 x 220mm, with removable microplate holder

Illumination: Halogen 6V/30W (variable)

Mains power: 220-240V/50-60Hz

INVERSO EPI-FLUOR



Inverted trinocular microscope for Epi-fluorescence.

Derived from the Inverso, this model has 30W halogen illumination and external fluorescent light (100W HBO) delivered through lightpath objectives.

It comes complete with a sliding filter holder and green, violet, UV and blue filter blocks. Objectives consist of 10x, 25x, and 40x for both transmitted and reflective light: plus 10x, 25x and 40x for phase contrast with annular rings.

Product reference. 3700.0000

Technical Specifications:

Optical head:

- Trinocular, inclined at 30°
- Interpupillary distance adjustment: 55 to 75mm
- Dioptric correction on one eyepiece tube

Eyepiece:

- 10x/18mm wide-field

Objectives:

- 10x, 25x, 40x long working distance/PL
- 10x, 25x, 40x long working distance/Phase Contrast

Condenser:

- Annular slide diaphragm for bright field, LWD N.A 0.40
- Iris diaphragm
- focusable with rack & pinion height regulation system
- Condenser centering device

Stage:

- 205 x 220mm, with removable microplate holder

Illumination: Halogen 6V/30W (variable)

- 100W HBO external source with controller

Mains power: 220-240V/50-60Hz

Trinocular inverted biological microscope.

The Inverso TC100 is tailor-made for the working laboratory. A high level of build quality ensures it will withstand the rigours of constant daily use and a wide range of spare parts and accessories enables access to many different applications.

Product reference. 3660.5000

The Inverso TC100 is also available with a fully integrated attachment for Epi-fluorescence applications (100W - HBO).

Product reference. 3660.7000

INVERSO TC100



Technical Specifications:

Optical head:

- Trinocular, inclined at 45°
- Interpupillary distance adjustment (Siendentopf-type): 48 to 75 mm
- Dioptic compensation on one eyepiece tube
- Vertical photo/video port with beam-splitting prism on sliding mount (80-20%)

Eyepieces:

- 10x/22mm wide-field

Nosepiece:

- Quintuple revolving with click stop, inverted

CCS and Objectives:

- Planchromatic
- P 4x / 0.10 / ∞ / 1.2 LWD
- PL 40x / 0.65 / ∞ / 1.2 LWD

Phase Contrast:

- Planchromatic objectives
 - PH+ 10x LWD
 - PH+ 20x LWD
 - + PH+ 40x LWD

- 10x / 20x and 40x annular phase plates
- Centering telescope

Condenser:

- NA 0.3 (removable)
- Working distance: 72mm

Stage:

- 160 x 250mm with additional mechanical movement with slide clamp
- Glass stage plate
- Side extension board

Focusing:

- Coaxial fine and coarse
- Pre-focusing mechanism (on the left)
- Tension adjustment ring (on the right)

Lamp house:

- Lamp holder adjustable
- Field diaphragm

Illumination:

Halogen 6V/30W (variable)

Mains power:

220-240V/50-60Hz

Optional accessories:

- Additional LWD PL - phase infinity objectives
- Additional LWD PL - infinity objectives
- Stage accessories
- Filters
- Digital and CCD cameras
- Image analysis software



Si-3000 / 3Mpx Digital USB camera with integrated image capture & analysis software.

