



*Inverted microscopes*  
**series: INVERTED**

Inverted microscopes are ideal for microbiological analysis laboratories, research institutes and universities. Suitable for observing microorganisms or living cells under natural conditions.

UIS "long working distance" optical system with infinite color correction, offers excellent high resolution and high contrast images.

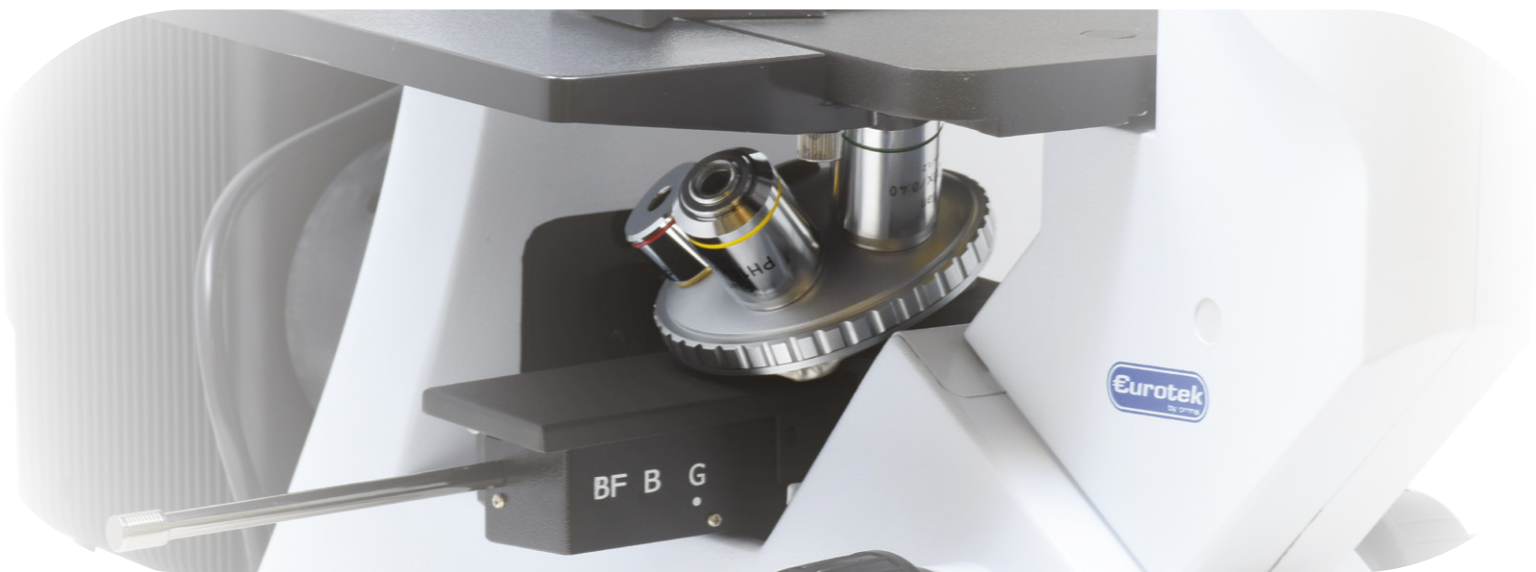
Ergonomic design for excellent performance, ease of use so as to guarantee the maximum guarantee on research. Flexible working distance accommodates lower slides, petri dishes, plates and flasks.

The fluorescence model allows operators to determine the distribution of molecules and quantities within a cell.

MODEL: INV100TL



MODEL: INV100TFL



TECHNICAL SPECIFICATION	INV100TL	INV100TFL
Pair of eyepieces EWF10x/22mm with eyecups (eyepiece tube Ø 30mm)	•	•
Diopter adjustment ±5 (diopters) and interpupillary distance 48-75mm	•	•
Trinocular Siedentopf head 30° inclined 360° rotatable. Third exit for photo/video applications	•	•
Slot for analyzer filter	•	•
5-position objective nosepiece (click stop), inclined to facilitate rotation	•	•
LWD UIS “Universal Infinity System” plan achromatic objectives 4x/0.10 - PH10x/0.25 - PH20x/0.4(S.) - 40x/0.6(S.)	•	•
Shifting table 160x250mm, right hand drive, range 120x78mm Glass disc, insert for Terasaki dishes, holder for petri dishes Ø 35mm, support for petri dishes Ø 90mm	•	•
ELWD condenser N.A. 0.3 (long working distance) 72mm “without condenser 150mm”. Ø 44mm filter holder slide and iris diaphragm	•	•
Coaxial coarse/fine focusing, fine division 0.002mm with clutch and limit switch (on left knob)	•	•
Ergonomic micrometer on the right side for one-handed operation of the microscope	•	•
Clutch: adjustment of the intensity of the focus (on the right knob) End stop: table height adjustment to avoid contact with the plates	•	•
Stand completely made of aluminum	•	•
S-LED 5W lighting with light intensity adjustment.	•	•
Lamp holder box for fluorescent with HBO 100W lamp. Condenser lens and iris diaphragm. The lamp holder system can be centered	/	•
2-position filter holder slide system, the excitation filters (2 supplied) are housed: B blue (BP460-490nm) dichroic mirror DM500 barrier filter BA520 G green (BP510-550nm) dichroic mirror DM570 barrier filter BA590	/	•
Orange barrier of UV protection	/	•
AC110/230V external power supply for fluorescent illuminator with life time and current A display	/	•
Dimensions	530x320x 500(h)mm	730x320x 500(h)mm
Weight	9.80kg	14.80kg

• supplied / not supplied

## ACCESSORIES

<b>B1-0110</b>	EWF 10x/22mm micrometric eyepiece
<b>B1-0015</b>	Micrometric slide division 0,01mm
<b>B2-0900</b>	Planachromatic objective UIS LWD 10x/0.25
<b>B2-0910</b>	Planachromatic objective UIS LWD 20x/0.4
<b>B2-0915</b>	Planar phase contrast objective 40x/0.6 WD 2.6mm
<b>B1-0115</b>	0.5x CCD adapter for trinoculars
<b>B1-0120</b>	1x CCD adapter (without lenses) for trinoculars
<b>B2-0920</b>	Planachromatic objective UIS 4x/0.13 fluorescent free
<b>B2-0925</b>	Planachromatic objective UIS 10x/0.3 fluorescent free
<b>B2-0930</b>	Planachromatic objective UIS 20x/0.4 fluorescent free
<b>B2-0935</b>	Planachromatic objective UIS 40x/0.6 fluorescent free
<b>B1-0090</b>	Ultraviolet filter system excitation BP330-385nm dichroic mirror DM400 barrier filter BA420 (by fluorescence HBO)
<b>B2-0940</b>	Epi-fluorescent kit (torretta LED 3W 465-475nm-power supply-filter BLUE BP 460-490)
<b>B2-0945</b>	Violet filter system excitation BP400-410nm dichroic mirror DM455 barrier filter BA455 (by fluorescence HBO)
<b>B1-0100</b>	Mercury vapor lamp HBO 100W (spare)
<b>B2-0950</b>	Fluorescent KIT (HBO lamp turret - power supply - foil - B&G filters)

