

Inverso TC-100/TC100LED Inverted Microscope



The Inverso TC-100 and TC-100LED Inverted microscopes are ideal for the typical life science laboratory conducting cell analysis. Built in a robust format and to a high-quality specification, the TC-100/100LED allows for easy; cell analysis during tissue culture, cell harvesting and fluorescence observation.

The TC100/100LED also encompasses an integrated Phase Contrast system, additional stage attachment and five multi sample stage plates to accommodate different types of sample containers.

Specifications

Cat. No.	3650.0000M	3660.5000LED
Optical Head	Trinocular, inclined at 45°	
Eyepieces	10x / 22 mm widefield	
Turret Format	Quintuple	
Siendentopt	Yes (53 to 75 mm interpupillary distance)	
Dioptrre	Dioptric adjustment on both eyepiece tubes	
Objectives	10x, 25x, 40x LWD Plan Achromatic Objectives, PH10x, PH25x, and PH40x LWD Plan Achromatic	4x, 40x LWD Plan Achromatic Objectives, PH10x, PH20x, PH40x LWD Plan Achromatic
Objective Type	Finite	
Condenser	Brightfield LWD - N.A 0.3: slide annual diaphragm with working distance 72mm (swings across or removable to accommodate tissue culture flasks, roller bottle, cell factory etc), centering device and focusable with rack and pinion height regulation system.	
Stage Size	Built-in mechanical, 220 x 220 mm	Built-in mechanical, 160 x 250 mm, side extension
Focusing	Coaxial coarse and fine, pre-focusing mechanic and tension adjustment ring	
Illumination - transmitted	20W halogen with intensity control	3W LED with intensity control with phase slider
Illumination - reflected	---	
Package	Two spare fuses, one spare bulb, green, yellow, and blue filters and instruction manual	Dust cover, one spare fuse and instruction manual
Additional Features	Five interchangeable stage plates, micro Petri dish, multiple slides and multi-well plate types	

Accessories

Cat. No.	Description
3157.2055	Ceti Inverso and Triton 0.5x camera mount
3157.2050M	Ceti Triton & Inverso TC-100 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



Epi-fluorescence Model Specifications

Cat. No.	3660.8000M	3700.0000M
Optical Head	Trinocular, inclined at 45°	
Eyepieces	10x / 22 mm widefield	
Turret Format	Quintuple	
Siendentopt	Yes (53 to 75 mm interpupillary distance)	
Dioptrre	Dioptric adjustment on both eyepiece tubes	
Objectives	4x, 40x LWD Plan Achromatic Objectives, PH10x, PH20x, PH40x LWD Plan Achromatic	
Objective Type	Finite	
Condenser	Brightfield LWD - N.A 0.3: slide annual diaphragm with working distance 72mm (swings across or removable to accommodate tissue culture flasks, roller bottle, cell factory etc), centering device and focusable with rack and pinion height regulation system.	
Stage Size	Built-in mechanical, 160 x 250 mm, side extension	Built-in mechanical, 205 x 220 mm
Focusing	Coaxial coarse and fine, pre-focusing mechanic and tension adjustment ring	
Illumination - transmitted	3W LED with intensity control with phase slider	30W halogen with intensity control
Illumination - reflected	100W HBO	
Package	Dust cover, two spare fuse, instruction manual, epi-fluorescence blocks x2 : Blue (Excitation BP460-490) and Green (Excitation BP480-550), max no. blocks x2	Two spare fuses, one spare bulb, instruction manual, epi-fluorescence blocks x2 : Blue (Excitation BP460-490) and Green (Excitation BP480-550), max no. blocks x2
Additional Features	Five interchangeable stage plates, micro petri dish, multiple slides and multi-well plate types, extra epi-fluorescence blocks available. Protection barrier to shield UV Light	