

TC5000

Biological Inverted Microscopes



- Comfortable Siedentopf-type binocular and trinocular heads
- Ergonomic head with adjustable inclination from 10° to 50° (option)
- Ergonomic quintuple nosepiece tilted to the left to change magnification
- TC Plan Achromat brightfield objectives (TC5100, TC5200); TC plan achromat phase contrast objectives (TC5300, TC5400). TC Plan Achromat Epifluorescent objectives (TC5500, TC5600)
- Removable mechanical stage with plate holder and ergonomic coaxial control handle on the right side (option)
- Vertical LED illuminator. Integrated automatic voltage sensing power supply with localized power cord
- Fluorescent mode (TC5500, TC5600) with LED illuminator. Three-position epi-fluorescent slider
- 1"x3" slide holder, camera holder, 35mm, 55mm and 65mm Petri dish holder, Terasaki plate holder and hemocytometer holder (option)

Specifications

TC5100, TC5200, TC5300, TC5400, TC5500, TC5600 Biological Inverted Microscopes	
Viewing Head	— binocular (TC5100/TC5300/TC5500) or trinocular (TC5200/TC5400/TC5600) head — 360° rotatable head with 30° inclination. The interpupillary distance is adjustable between 53 mm–75 mm — ergonomic head with adjustable inclination from 10° to 50° (option)
Widefield Eyepieces	10x/22 mm
Stand	metal stand with a chemical resistant finish
Objective changer	quintuple nosepiece
Objectives	“Infinity” Brightfield objectives TC Plan Achromat 4x, N.A. 0.13, W.D. 17.3 mm (option) TC Plan Achromat 10X, N.A. 0.25, W.D. 7.6 mm TC Plan Achromat 20X, N.A. 0.4, W.D. 7 mm TC Plan Achromat 40x, N.A. 0.65, W.D. 2.8 mm (option) “Infinity” Phase-contrast objectives TC Plan Achromat Ph 10X, N.A. 0.25, W.D. 7.6 mm TC Plan Achromat Ph 20X, N.A. 0.4, W.D. 7 mm TC Plan Achromat Ph 40x, N.A. 0.65, W.D. 2.8 mm (option) “Infinity” Fluorescence objectives TC Plan Achromat F4x, N.A. 0.13, W.D. 17.5 mm (option) TC Plan Achromat F10X N.A.0.30, W.D. 7.5 mm TC Plan Achromat F20X N.A.0.40, W.D. 7.5 mm TC Plan Achromat F40x, N.A. 0.65, W.D. 2.9 mm (option)
Stage	Removable mechanical table with plate holder and ergonomic coaxial control handle on the right or left side (option)
Condenser	ELWD Condenser, N.A. 0.30, W.D. 73.0 mm
Focus control	— coaxial coarse/fine focus controls — incorporates safety Auto-focus stage stop lever — tension adjustment control with Coaxial knobs
Epi-fluorescence illuminator	mercury-free CoolLed
Illumination	LED 5W 3V
Power supply	220 W/50 Hz
Working temperature, humidity	18–35 °C, less than 85 %

Ordering Information

Description	Code
Binocular Inverted Brightfield Biological Microscope TC5100L, Standard configuration	TC5100
Trinocular Inverted Brightfield Biological Microscope TC5200L, Standard configuration	TC5200
Binocular Inverted Phase Contrast Biological Microscope TC5300L, Standard configuration	TC5300
Trinocular Inverted Phase Contrast Biological Microscope TC5400L, Standard configuration	TC5400
Binocular Inverted Fluorescence Biological Microscope TC5500CL, Standard configuration	TC5500
Trinocular Inverted Fluorescence Biological Microscope TC5600CL, Standard configuration	TC5500

We reserve the right to change specification without notice.



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