



TC - FL100 Inverted Biological Microscope

- Brand-new development for life science research
- Both light ports for digital camera and SLR photography, available for observing with digital camera and SLR photography at the same time
- IOS Infinity optical system, perfect for cell observation and culture



TC - FL100 Inverted Biological Microscope



Automatic infrared induction for power on-off. Power off upon user leaving 10 minutes, and power on upon user approaching.



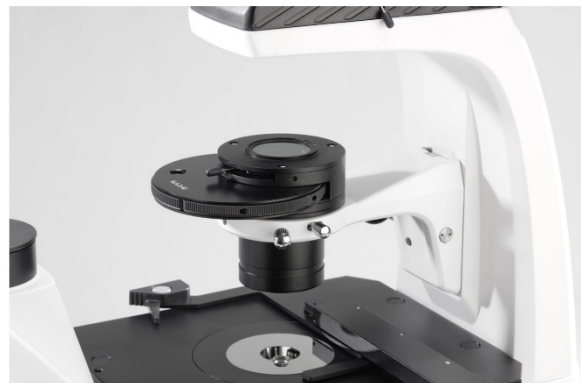
Special light port for SLR digital camera, 7° inclined up to be more convenient to observe the image of the SLR camera



TC - FL100 Inverted Fluorescence Microscope



12V/50W Kohler illumination makes the field more even and brighter.



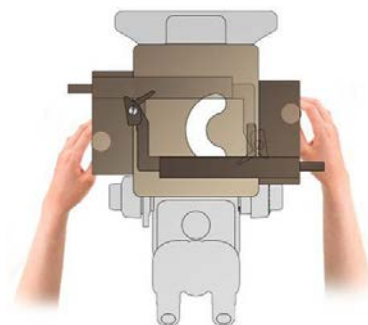
4-hole rotating disc phase contrast condenser for standard to change bright field and phase contrast fast

Culture Dish Holder



Φ65mm Φ54mm

Φ35mm



Knob can be changed by left or right

Holder for blood cell counter

Objective Parameter List (Cover-glass thickness 1.1mm)

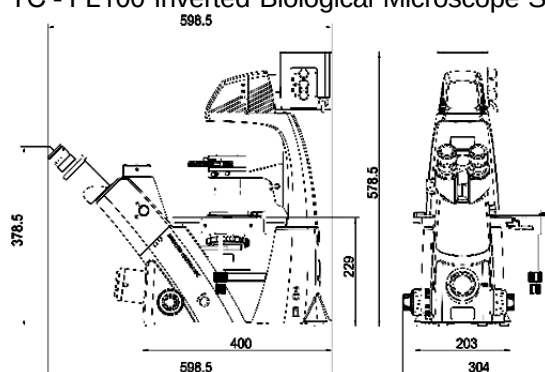
	Objectives	N.A.	Working distance (mm)
LWD Infinity Plan Objectives	LPL4×	0.11	12.1
	LPL 10×	0.25	8.3
	LPL 20×	0.40	7.2
	LPL 40×	0.60	3.4
LWD Infinity Plan Phase Contrast Objectives	LPL Ph P 4×	0.10	9.2
	LPL Ph P 10×	0.25	8.3
	LPL Ph P 20×	0.40	7.2
	LPL Ph P 40×	0.60	3.4



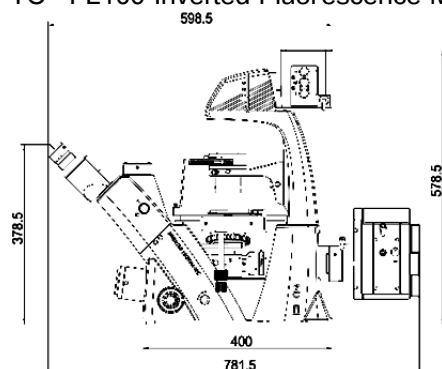
LWD Infinity Plan Objectives

LWD Infinity Plan Phase Contrast Objectives

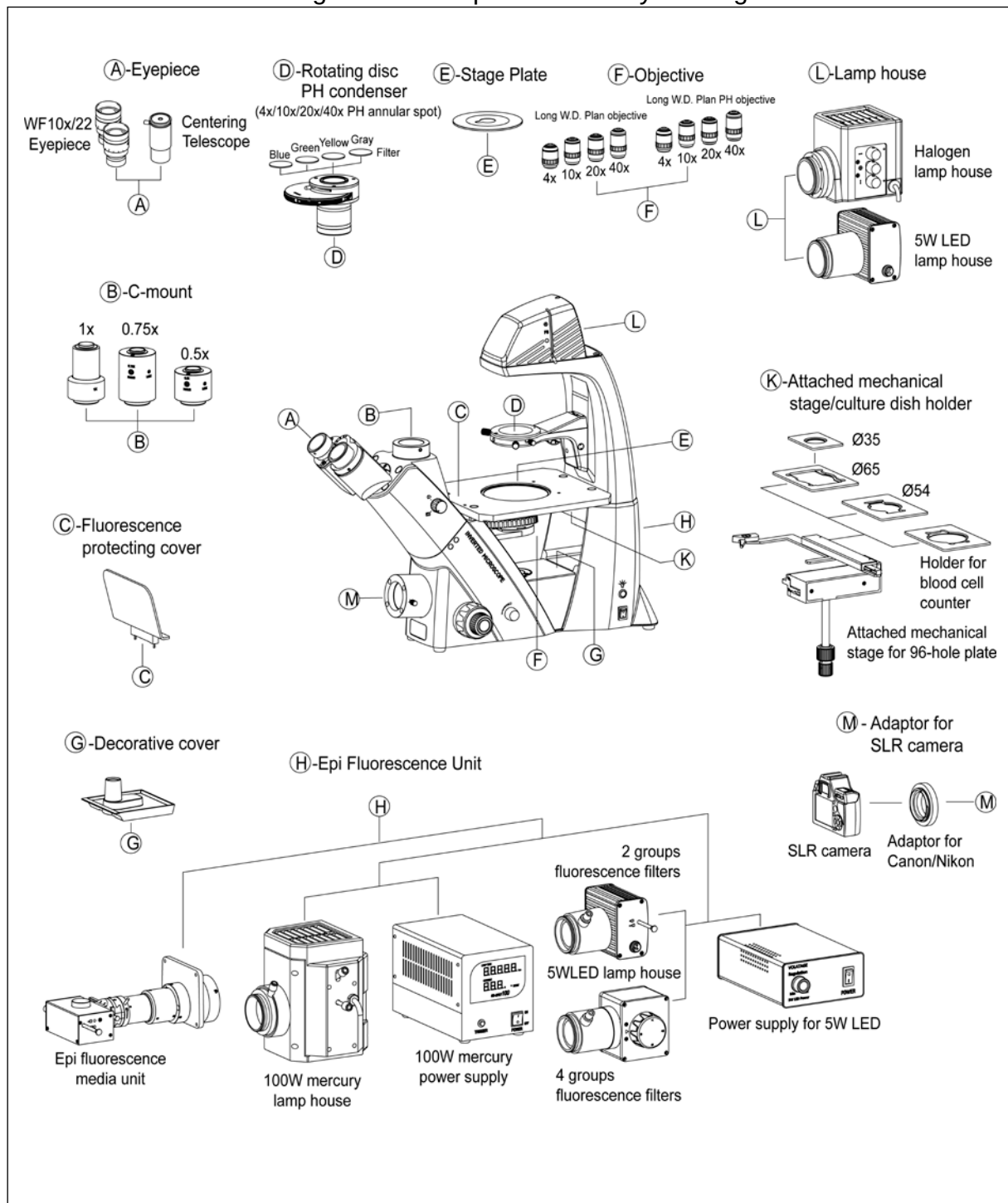
TC - FL100 Inverted Biological Microscope Size(mm)



TC - FL100 Inverted Fluorescence Microscope Size(mm)



TC - FL100 Inverted Biological Microscope General Layout Diagram



TC - FL100 Inverted Biological Microscope Outfits

Item	Specification	Outfits
Eyepiece	WF10X / 22mm (adjustable)	● ●
	Centering telescope	●
LWD Infinity Plan Objectives	LPL 4X / 0.11 W.D.=12.1mm	●
	LPL 10X / 0.25 W.D.=8.3mm	○
	LPL 20X / 0.40 W.D.=7.2mm	○
	LPL 40X / 0.60 W.D.=3.4mm	○
LWD Infinity Plan Phase Contrast Objectives	LPL Ph P 4X / 0.10 W.D.=9.2mm	○
	LPL Ph P 10X / 0.25 W.D.=8.3mm	●
	LPL Ph P 20X / 0.40 W.D.=7.2mm	●
	LPL Ph P 40X / 0.60 W.D.=3.4mm	●
Annular Spot	10X/20X/ 40X	●
	4X	○
Seidentopf Trinocular Head	Inclined 45° , interpupillary distance: 48-76mm Light distribution (both): 100: 0 (100% for eyepiece) 80:20 (80% for trinocular head, and 20% for eyepiece)	●
Adaptor for Digital Photography	100% light for Photography Port (Adaptor for CANON or NIKON SLR Digital Photography Camera)	●
Nosepiece	Quintuple	●
Mechanical Stage	Stage size: X×Y 210×241mm, Round slide size: φ110mm, Attached mechanical stage(available for 96 holes plate, moving range X×Y: 128×80mm.)	●
Culture Dish Holder	65mm	○
	54mm	●
	35mm	○
	blood cell counter	○
Condenser	4-hole rotating disc phase contrast condenser N.A.0.4, W.D.45mm, It can be up-down adjusting	●
Koehler Illumination	12V/50W Halogen, input voltage: 100V~240V	●
	5WLED, input voltage: 100V~240V	○
Auto power on-off system	Power off automatically upon user leaving 10 minutes, power on automatically upon user approaching	●
Filter	Blue	●
	Green,	●
	Amber/ Grey	○
C-mount	1 X /0.5X /0.75XC-Mount(focus adjustable)	○
Epi Fluorescence Attachment	Epi fluorescence media unit , field diaphragm, center adjustable.	○
	100W mercury lamp or 5WLED(input voltage:100V~240V)	○
with 2 Groups LED Fluorescence Filters or	B (Blue), 460-490 nm	●
	G (Green), 510-550 nm	●
with 4 Groups LED Fluorescence Filters	V (Violet), 400-410 nm	○
	UV (Ultra Violet), 330-385 nm	○
	R (Red), Ex-675nm, EM-695nm (Optional)	○
		○

Note: "●" In Table is Standard outfits, "○" is Optional Accessories. Net Weight: 13.5kgs
Packing Size: 660mm×590mm×325mm Gross Weight: 18kgs



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