

1. BS-2063F Series LED Fluorescence Microscope



BS-2063FT(LED) with B/G Filter



BS-2063FT(LED) with UV/V/B/G Filter

Introduction

BS-2063F(LED) Series LED Fluorescence Microscope is specifically designed for the daily routine work in the demanding applications of education, pathology investigation, clinical and laboratory usage. Innovative LED as fluorescence illumination source, provide excellent image with easy and comfortable usage experience.

Feature

1. LED fluorescence unit



Six-holes disk fluorescence unit, more fluorescence filters can be supplied.

2. Rackless stage



Rackless wire driven mechanical fixed stage with focus lock is safer than traditional stage.

3. Quintuple turret phase contrast unit



Quintuple turret phase contrast unit with 10X/20X/40X/100X Infinite plan phase contrast objective for phase contrast and bright field observation.

4. Other accessories.



N.A.0.9/0.13 Swing-out Condenser
 Dark field condenser (dry) available to 4X-60X Objective
 Dark field condenser (oil) available to 100X Objective



Infinite Plan Objectives

Specification

Item	Specification	BS-2063FB (LED)	BS-2063FT (LED)
Optical System	Color Corrected Infinite Optical System	•	•
Viewing Head	Inclined 30° binocular tube, 360° rotatable, interpupillary distance: 48-76mm	•	

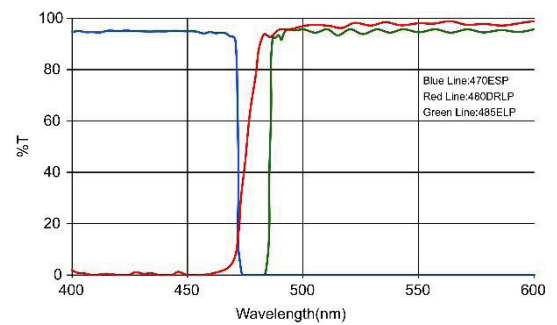
	Inclined 30° trinocular tube, 360° rotatable, interpupillary distance: 48-76mm, splitting ratio: eyepiece: trinocular=100:0 or 20:80		●
Eyepiece	Wide field eyepiece WF10X/22mm, diopter adjustable, tube diameter: 30mm	●	●
	WF15×/16mm, diopter adjustable	○	○
	WF10×/22mm with 0.1mm eyepiece micrometer	○	○
Infinite Plan Achromatic Objective	2X/ NA 0.06	○	○
	4X/ NA 0.10, WD=12.10mm	●	●
	10X/ NA 0.25, WD4.64mm	●	●
	20X/ NA 0.40 (S), WD=2.41mm	●	●
	40X/ NA 0.66 (S), WD=0.65mm	●	●
	60X/ NA 0.80 (S), WD=0.33mm	○	○
	(Oil) 100X/ NA 1.25 (S), WD=0.12mm	●	●
	(Water) 100X/ NA 1.15 (S), WD=0.19mm	○	○
Infinity Plan Semi-Apochromatic Fluorescence Objectives	4X/NA=0.16, WD=17.15mm	○	○
	10X/NA=0.30, WD=7.68mm	○	○
	20X/NA=0.50, WD=1.96mm	○	○
	40X/NA=0.75, WD=0.78mm	○	○
	40X/NA=0.75, WD=0.78mm (for TB, no correction of slide cover)	○	○
	(Oil) 100X/NA=1.3, WD=0.15mm	○	○
Nosepiece	Backward quintuple nosepiece	●	●
Stage	Rackless (integrated) stage, size: 182mm*140mm, travel range: 77mm*52mm, with two slide holders	●	●
	Stage size: 175mm*145mm. Travel: 78mm*55mm, scale: 0.1mm. With two slide holders	○	○
Condenser	Swing-out condenser NA 0.9/0.13, with iris diaphragm	●	●
	Dark field condenser, dry, apply to 4X-40X objective	○	○
	Dark field condenser, wet, apply to 100X objective	○	○
Focusing	Coaxial coarse and fine focusing knob, coarse focusing travel range: 25mm, coarse stroke 42.4mm/rotation, fine stroke 0.2mm/rotation, fine division: 2μm	●	●
Field Diaphragm	Field diaphragm	●	●
Koehler Illumination	12V/30W Halogen lamp	●	●
	5W LED lamp	○	○
Polarizing Unit	Analyzer and polarizer	○	○
Phase Contrast Unit	Quintuple hole turret unit with 10X/20X/40X/100X phase contrast objective	○	○
	Independent slot with 10X/20X/40X/100X phase contrast objective	○	○
Fluorescence Attachment	B/G Epi fluorescence unit (six-hole disc media which can be fixed with UV/V/B/G and another filters), 100W mercury lamp.	○	○
	UV/V/B/G Epi fluorescence unit (six-hole disc media which can be fixed with UV/V/B/G and another filters), 100W mercury lamp.	○	○

	B/G Epi fluorescence unit (six-hole disc media which can be fixed with UV/V/B/G), 5W-LED fluorescence lamp.	●	●
	UV/V/B/G Epi fluorescence unit (six-hole disc media which can be fixed with UV/V/B/G), 5W-LED fluorescence lamp.	○	○
	B or G fluorescence unit, 5W-LED fluorescence lamp.	○	○
	Auramine long pass fluorescence unit, with 5W LED fluorescence lamp	○	○
	B/G fluorescence unit, 5W-LED fluorescence lamp.	○	○
Video Adapter	0.35X C-mount adapter, adjustable focus		○
	0.5X C-mount adapter, adjustable focus		●
	0.75X C-mount adapter, adjustable focus		○
	1X C-mount adapter, adjustable focus		○
	Trinocular digital eyepiece interface		○
Photo Adapter	Used for CANON / NIKON / OLYMPUS/ SONY DLSR cameras		○
Filter	Blue filter (Φ45)	●	●
	Green filter (Φ45)	○	○
	Amber filter (Φ45)	○	○
Power Supply	Wide voltage input: 100V~240V	●	●
Packing	1 carton/set, Packing Size: 755mm×340mm×440mm, Gross Weight: 17 kgs, Net Weight: 15 kgs	●	●

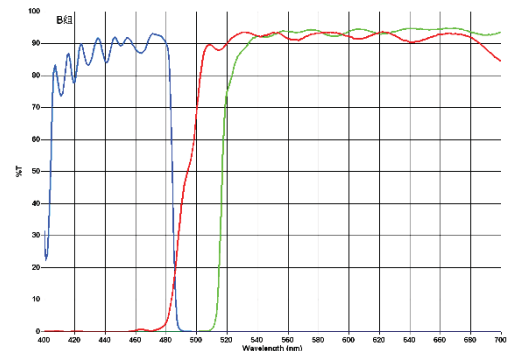
Note: "●" In Table Is Standard outfits, "○" Is Optional Accessories.

Fluorescence filters

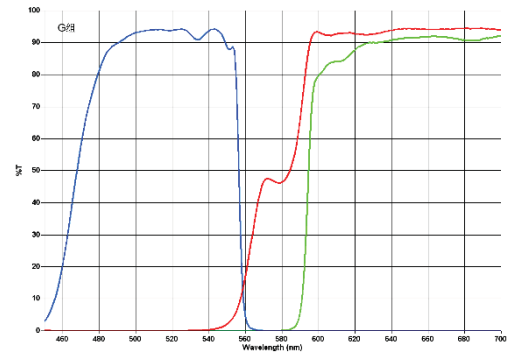
Auramine O	Wavelength (nm)
Exciter	470Sp
Dichroic	480DRLP
Barrier	485LP



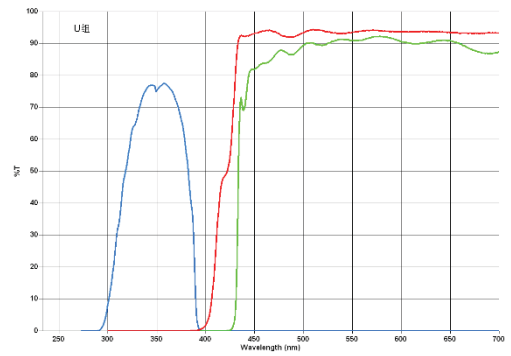
B Excitation	Wavelength (nm)
Exciter	470/37
Dichroic	505LP
Barrier	515LP



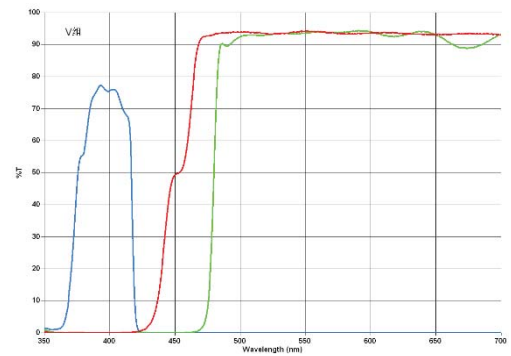
G Excitation	Wavelength (nm)
Exciter	500-550
Dichroic	575
Barrier	590



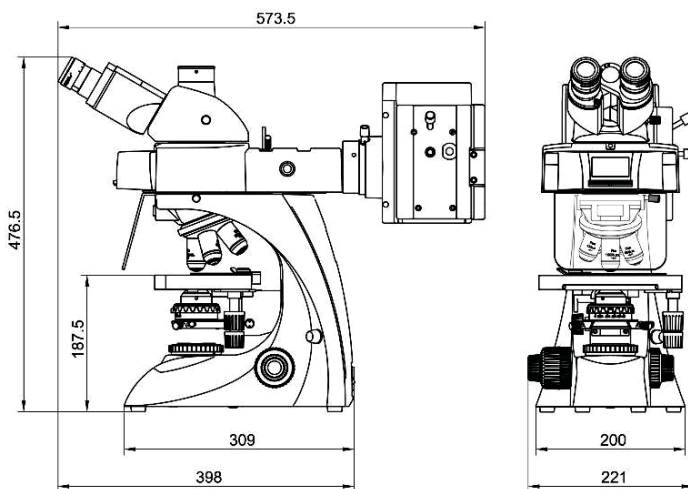
Uv Excitation	Wavelength (nm)
Exciter	330-380
Dichroic	400
Barrier	435



V Excitation	Wavelength (nm)
Exciter	380-420
Dichroic	430
Barrier	460

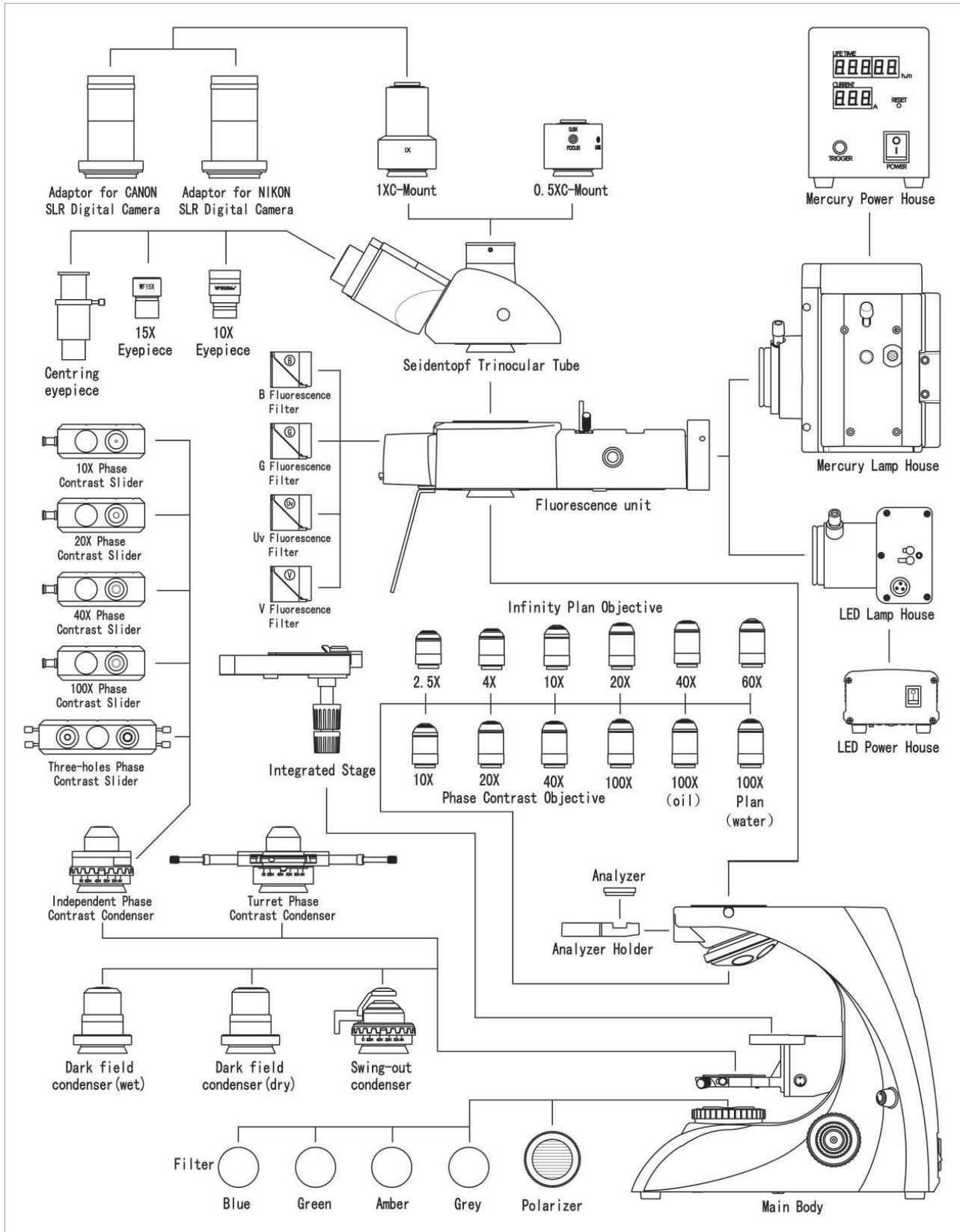


Dimension



Unit: mm

Layout Diagram



2. BS-2063F2 Series LED Fluorescence Microscope



BS-2063F2T(LED)

Introduction

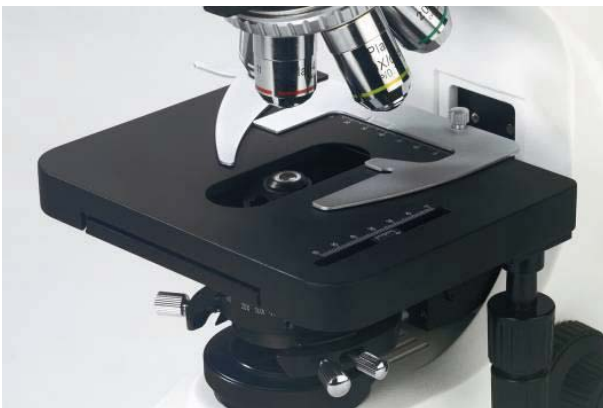
BS-2063F(LED) Series LED Fluorescence Microscope is specifically designed for the daily routine work in the demanding applications of education, pathology investigation, clinical and laboratory usage. Innovative LED as fluorescence illumination source, provide excellent image with easy and comfortable usage experience.

BS-2063F2(LED, TB) Series LED Fluorescence Microscope is a professional solution for tuberculosis test applications with LED fluorescence excitation and transmitted-light brightfield illumination.

If you want to analyze tuberculosis with Ziehl-Neelsen-Staining or if you like to use fluorescence excitation, e.g. with Auramine O dye. BS-2063F2(LED,TB) can simply switch between the two modes.

Feature

1. Rackless stage



Rackless wire driven mechanical fixed stage with focus lock is safer than traditional stage.

2. Quintuple turret phase contrast unit



Quintuple turret phase contrast unit with 10X/20X/40X/100X Infinite plan phase contrast objective for phase contrast and bright field observation.

3. Other accessories



N.A.0.9/0.13 Swing-out Condenser
 Dark field condenser (dry) available to 4X-60X Objective
 Dark field condenser (oil) available to 100X Objective



Infinite Plan Objectives

Application

BS-2063F(LED) Series LED Fluorescence Microscope is specifically designed for the daily routine work of education, pathology diagnosis, hospital, clinical and laboratory examinations and research.

Specification

BS-2063F2B (LED), BS-2063F2T (LED)

Item	Specification	BS-2063F2B (LED)	BS-2063F2T (LED)
Optical System	Color Corrected Infinite Optical System	●	●
Viewing Head	Inclined 30° binocular tube, 360° rotatable, interpupillary distance: 48-76mm	●	
	Inclined 30° trinocular tube, 360° rotatable, interpupillary distance: 48-76mm, splitting ratio: eyepiece: trinocular=100:0 or 20:80		●
Eyepiece	Wide field eyepiece WF10X/22mm, diopter adjustable, tube diameter: 30mm	●	●
	WF15X/16mm, diopter adjustable	○	○
	WF10X/22mm with 0.1mm eyepiece micrometer	○	○

Infinite Plan Achromatic Objective	2X/ NA 0.06	○	○
	4X/ NA 0.10, WD=12.10mm	●	●
	10X/ NA 0.25, WD4.64mm	●	●
	20X/ NA 0.40 (S), WD=2.41mm	●	●
	40X/ NA 0.66 (S), WD=0.65mm	●	●
	60X/ NA 0.80 (S), WD=0.33mm	○	○
	(Oil) 100X/ NA 1.25 (S), WD=0.12mm	●	●
(Water) 100X/ NA 1.15 (S), WD=0.19mm	○	○	
Infinity Plan Semi-Apochromatic Fluorescence Objectives	4X/NA=0.16, WD=17.15mm	○	○
	10X/NA=0.30, WD=7.68mm	○	○
	20X/NA=0.50, WD=1.96mm	○	○
	40X/NA=0.75, WD=0.78mm	○	○
	40X/NA=0.75, WD=0.78mm (for TB, no correction of slide cover)	○	○
	(Oil) 100X/NA=1.3, WD=0.15mm	○	○
Nosepiece	Backward quintuple nosepiece	●	●
Stage	Rackless (integrated) stage, size: 182mm*140mm, travel range: 77mm*52mm, with two slide holders	●	●
	Stage size: 175mm*145mm. Travel: 78mm*55mm, scale: 0.1mm. With two slide holders	○	○
Condenser	Swing-out condenser NA 0.9/0.13, with iris diaphragm	●	●
	Dark field condenser, dry, apply to 4X-40X objective	○	○
	Dark field condenser, wet, apply to 100X objective	○	○
Focusing	Coaxial coarse and fine focusing knob, coarse focusing travel range: 25mm, coarse stroke 42.4mm/rotation, fine stroke 0.2mm/rotation, fine division: 2μm	●	●
Field Diaphragm	Field diaphragm	●	●
Koehler Illumination	12V/30W Halogen lamp	●	●
	5W LED lamp	○	○
Polarizing Unit	Analyzer and polarizer	○	○
Phase Contrast Unit	Quintuple hole turret unit with 10X/20X/40X/100X phase contrast objective	○	○
	Independent slot with 10X/20X/40X/100X phase contrast objective	○	○
Fluorescence Attachment	B/G Epi fluorescence unit (six-hole disc media which can be fixed with UV/V/B/G and another filters), 100W mercury lamp.	○	○
	UV/V/B/G Epi fluorescence unit (six-hole disc media which can be fixed with UV/V/B/G and another filters), 100W mercury lamp.	○	○
	B/G Epi fluorescence unit (six-hole disc media which can be fixed with UV/V/B/G), 5W-LED fluorescence lamp.	○	○
	UV/V/B/G Epi fluorescence unit (six-hole disc media which can be fixed with UV/V/B/G), 5W-LED fluorescence lamp.	○	○
	B or G fluorescence unit, 5W-LED fluorescence lamp.	●	●
	Auramine long pass fluorescence unit, with 5W LED fluorescence lamp	○	○

	B/G fluorescence unit, 5W-LED fluorescence lamp.	○	○
Video Adapter	0.35X C-mount adapter, adjustable focus		○
	0.5X C-mount adapter, adjustable focus		●
	0.75X C-mount adapter, adjustable focus		○
	1X C-mount adapter, adjustable focus		○
	Trinocular digital eyepiece interface		○
Photo Adapter	Used for CANON / NIKON / OLYMPUS/ SONY DLSR cameras		○
Filter	Blue filter (Φ45)	●	●
	Green filter (Φ45)	○	○
	Amber filter (Φ45)	○	○
Power Supply	Wide voltage input: 100V~240V	●	●
Packing	1 carton/set, Packing Size: 755mm×340mm×440mm, Gross Weight: 17 kgs, Net Weight: 15 kgs	●	●

BS-2063F2B (LED, TB), BS-2063F2T (LED, TB)

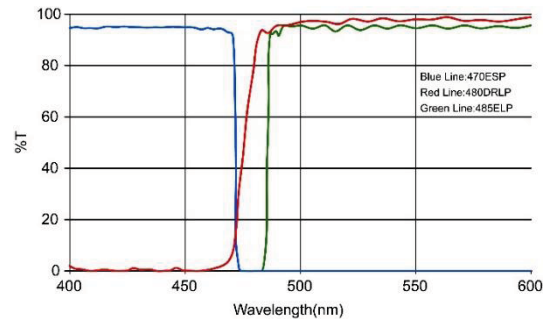
Item	Specification	BS-2063F2B (LED, TB)	BS-2063F2T (LED, TB)
Optical System	Color Corrected Infinite Optical System	●	●
Viewing Head	Inclined 30° binocular tube, 360° rotatable, interpupillary distance: 48-76mm	●	
	Inclined 30° trinocular tube, 360° rotatable, interpupillary distance: 48-76mm, splitting ratio: eyepiece: trinocular=100:0 or 20:80		●
Eyepiece	Wide field eyepiece WF10X/22mm, diopter adjustable, tube diameter: 30mm	●	●
	WF15×/16mm, diopter adjustable	○	○
	WF10×/22mm with 0.1mm eyepiece micrometer	○	○
Infinite Plan Achromatic Objective	2X/ NA 0.06	○	○
	4X/ NA 0.10, WD=12.10mm	●	●
	10X/ NA 0.25, WD4.64mm	●	●
	20X/ NA 0.40 (S), WD=2.41mm	●	●
	40X/ NA 0.66 (S), WD=0.65mm	●	●
	60X/ NA 0.80 (S), WD=0.33mm	○	○
	(Oil) 100X/ NA 1.25 (S), WD=0.12mm	●	●
(Water) 100X/ NA 1.15 (S), WD=0.19mm	○	○	
Infinity Plan Semi- Apochromatic Fluorescence Objectives	4X/NA=0.16, WD=17.15mm	○	○
	10X/NA=0.30, WD=7.68mm	○	○
	20X/NA=0.50, WD=1.96mm	○	○
	40X/NA=0.75, WD=0.78mm	○	○
	40X/NA=0.75, WD=0.78mm (for TB, no correction of slide cover)	○	○
	(Oil) 100X/NA=1.3, WD=0.15mm	○	○
Nosepiece	Backward quintuple nosepiece	●	●

Stage	Rackless (integrated) stage, size: 182mm*140mm, travel range: 77mm*52mm, with two slide holders	●	●
	Stage size: 175mm*145mm. Travel: 78mm*55mm, scale: 0.1mm. With two slide holders	○	○
Condenser	Swing-out condenser NA 0.9/0.13, with iris diaphragm	●	●
	Dark field condenser, dry, apply to 4X-40X objective	○	○
	Dark field condenser, wet, apply to 100X objective	○	○
Focusing	Coaxial coarse and fine focusing knob, coarse focusing travel range: 25mm, coarse stroke 42.4mm/rotation, fine stroke 0.2mm/rotation, fine division: 2μm	●	●
Field Diaphragm	Field diaphragm	●	●
Koehler	12V/30W Halogen lamp	●	●
Illumination	5W LED lamp	○	○
Polarizing Unit	Analyzer and polarizer	○	○
Phase Contrast Unit	Quintuple hole turret unit with 10X/20X/40X/100X phase contrast objective	○	○
	Independent slot with 10X/20X/40X/100X phase contrast objective	○	○
Fluorescence Attachment	B/G Epi fluorescence unit (six-hole disc media which can be fixed with UV/V/B/G and another filters), 100W mercury lamp.	○	○
	UV/V/B/G Epi fluorescence unit (six-hole disc media which can be fixed with UV/V/B/G and another filters), 100W mercury lamp.	○	○
	B/G Epi fluorescence unit (six-hole disc media which can be fixed with UV/V/B/G), 5W-LED fluorescence lamp.	○	○
	UV/V/B/G Epi fluorescence unit (six-hole disc media which can be fixed with UV/V/B/G), 5W-LED fluorescence lamp.	○	○
	B or G fluorescence unit, 5W-LED fluorescence lamp.	○	○
	Auramine long pass fluorescence unit, with 5W LED fluorescence lamp	●	●
	B/G fluorescence unit, 5W-LED fluorescence lamp.	○	○
Video Adapter	0.35X C-mount adapter, adjustable focus		○
	0.5X C-mount adapter, adjustable focus		●
	0.75X C-mount adapter, adjustable focus		○
	1X C-mount adapter, adjustable focus		○
	Trinocular digital eyepiece interface		○
Photo Adapter	Used for CANON / NIKON / OLYMPUS/ SONY DLSR cameras		○
Filter	Blue filter (Φ45)	●	●
	Green filter (Φ45)	○	○
	Amber filter (Φ45)	○	○
Power Supply	Wide voltage input: 100V~240V	●	●
Packing	1 carton/set, Packing Size: 755mm×340mm×440mm, Gross Weight: 17 kgs, Net Weight: 15 kgs	●	●

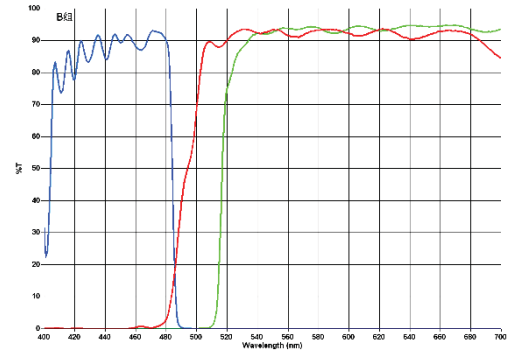
Note: "●" In Table Is Standard outfits, "○" Is Optional Accessories.

Fluorescence filters

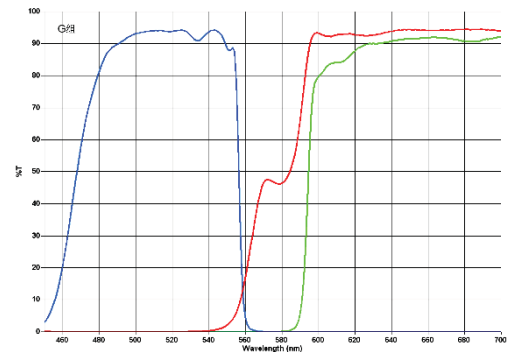
Auramine O	Wavelength (nm)
Exciter	470Sp
Dichroic	480DRLP
Barrier	485LP



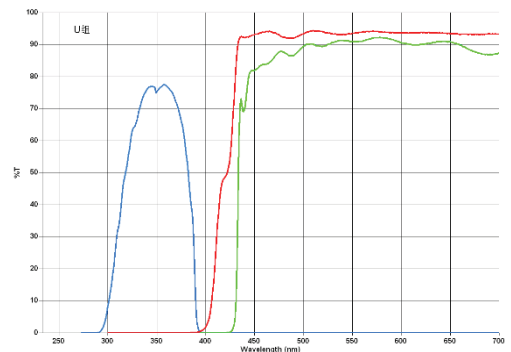
B Excitation	Wavelength (nm)
Exciter	470/37
Dichroic	505LP
Barrier	515LP



G Excitation	Wavelength (nm)
Exciter	500-550
Dichroic	575
Barrier	590



Uv Excitation	Wavelength (nm)
Exciter	330-380
Dichroic	400
Barrier	435



V Excitation	Wavelength (nm)
Exciter	380-420
Dichroic	430
Barrier	460

