

FLUORESCENCE MICROSCOPES

XYL-606



XYL-606 Fluorescence Microscope is made up of the Biological microscope and Epi-fluorescence device. Epi-fluorescence widely used in biology, medicine, immunology, oncology, genetics, materials science and other fields. Conventional configuration has 5 wave bands, and B, G, BV, V, U can be switched, and meanwhile, the conventional transmission observation can be proceeded. High-quality optical system and fluorescent attachment make you observed the satisfactory fluorescent effect. It is your best choice because of humanized configuration design, convenient operation system and novel appearance.

Characteristics and description

1. Super wide viewing field eyepiece.
2. Stray light suppression system: leading strong stray light out of light path and absorb it, greatly increased the signal-to-noise of the image of fluorescence microscope.
3. High precision revolver system: conversion of the five band B, G, BV, V, U flexible and soft and accurate positioning and ensure that each wave band can be illuminated by excitation light fully and equably.
4. large N.A. plan achromatic fluorescent objectives, greatly increased the fluorescent intensity.

Viewing Head	Compensation Free Binocular Head Inclined at 30° (50mm-75mm)
Eyepiece	WF10X/22mm
Objective	Infinite Apochromatic Fluorescent Objectives: 4X/N.A.0.15, 10X/N.A.0.35, 20X/N.A.0.6, 40X(S) /N.A.0.75
Nosepiece	Sextuple Nosepiece
Stage	Double layer mechanical stage, Stage Size: 180mmX160mm, Moving Range: 80mmX50mm
Condenser	N.A.1.25 Abbe condenser with iris diaphragm and filters
Focusing	Coaxial coarse & fine focusing adjustment with rack and pinion mechanism. Fine focusing scale value 0.002mm
Light Source	Transmission Illumination: Halogen Bulb 12V/30W, Brightness Adjustable
	Epi-Fluorescent Illumination: 220V(110V). Ultra-high pressure Mercury Lamp 100W/DC. Digital display mercury lamp constant power
Fluorescent Box	G, B, BV, V, U Wave Band

XYL-403Y



XYL-403Y inverted fluorescent microscope is composed of inverted microscope and Epi-fluorescent microscope. The inverted microscope has the feature to observe the specimen in Culture flask and Petri dish. Epi-fluorescent device applies to the fluorescent microscopy. It is equipped with long working distance plan achromatic objectives, wide field eyepiece, binocular observation head, phase contrast kit and phase contrast objectives. The transparent alive objects can be observed without dyeing. Epi-fluorescent microscope adopts to Epi-illumination excitation to make fluorescent image clear. Long working distance condenser can contain higher culture dish and specimen. This equipment is specially suitable for micro research of living cells & university, medical treatment, epidemic prevention department and farming & stock raising, etc.

Viewing Head	Compensation Free Trinocular Head, Inclined 45° (50mm-75mm)
Eyepiece	WF10X/22mm
Objective	Long working distance plan achromatic objectives: 4X, 10X (phase contrast), 20X (phase contrast), 40X(S)
Stage	Double layer mechanical stage, Stage Size: 242mmX172mm Central stage: Φ110mm Moving Range: 75mmX40mm
Filter	N.A.0.3 Abbe Condenser with iris diaphragm, Working Distance:75mm
Focusing	Coaxial coarse and fine focusing system With tension adjustment Fine focusing scale value 0.002mm
Light Source	Transmission Illumination: Halogen Bulb 12V/30W, Adjustable Brightness
	Epi-Fluorescent Illumination:220V(110V) Ultra-high pressure Mercury Lamp100W/DC. Digital display mercury lamp constant power
Fluorescence attachment	B,G Wave band

XDY-1



XDY-1 Inverted & Reflected Fluorescence Microscopes is composed with inverted microscope and reflected fluorescence microscope, equipped with long working distances plan achromatic objectives and wide field eyepieces, you can use long working distance phase contrast objectives and special long working distance condenser with phase contrast unit when inverted observation, and change the fluorescence excitation system freely. The microscope has clear image, wide field, compact framework, beauty sculpt and comfortable operation etc. It's mainly applied to observe the living cell and tissue, liquid and deposits etc, also to observe transparent living without staining and fluorescence slice up, it is the ideal instrument for researching in biology, cells cytology, oncology, genetics, immunology etc. The microscope can be used for scientific researching, medical treatment, epidemic prevention and animal husbandry etc.

Features

1. With wide field eyepieces, Long distance plan achromatic objectives the field of view is widely and clear.
2. Coaxial coarse/fine focus system, with tensional adjustable and up stop, minimum division of fine focusing: 2 μ m.
3. The mechanical stage movement mechanism can be taken out.
4. Equipped with phase contrast unit, include long working distance condenser, phase contrast objective and centering telescope
5. Equipped with fluorescence unit, include four group of fluorescence filter.
6. 6V 30W halogen lamp transmission illumination with brightness control. 100W high voltage mercury lamp, with outside power supply unit

Standard Configuration

Model	XDY-1
Eyepiece	Wide field eyepiece WF10X/20mm
Objective	Long working distance plan achromatic objectives PL L10X/0.25
	Long working distance plan achromatic objectives PL L25X/0.40
	Long working distance plan achromatic objectives PL L40X/0.60
	Long working distance plan achromatic phase contrast objective PL L 10X/0.25 PHP2
	Long working distance plan achromatic phase contrast objective PL L 25X/0.40 PHP2
	Long working distance plan achromatic phase contrast objective PL L 40X/0.60 PHP2
Eyepiece tube	Trinocular (Inclination of 30°, 100% image light for photography capable)
Focus system	Coaxial coarse/fine focus system, with tensional adjustable and up stop, minimum division of fine focusing: 2μm
Nosepiece	Quintuple (Ball bearing inner locating)
Stage	Double layer mechanical (Size: 224mmX208mm, moving range: 112mmX79mm)
Filter	Frosted filter, Blue filter, Green filter
Shelf of specimen	Match to install Φ68mm or 77mmX29mm culture utensil
	Match to install 82mmX57mm culture utensil
	Match to install 128mmX85mm 96 holes culture utensil
Reflected fluorescence system	Mercury lamp house 100W/DC
	Power supply unit:AV:110V or 220V
	Fluorescence filter system B exciton wavelength:420~485nm
	Fluorescence filter system G exciton wavelength:460~550nm
	Fluorescence filter system UV exciton wavelength:330~400nm
	Fluorescence filter system V exciton wavelength:395~415nm
Turnplate phase contrast unit	Centering telescope
	Condenser Rack & pinion adjustable, N.A.0.4, working distance: 50mm

Optional accessories

Name	Sort/Technique parameter
Eyepiece	Wide field WF16X/11mm
	Dividing 10X/20mm, 0.1mm/Div
Condenser	Ultra long working distance, W.D.:70mm
Filter	Yellow filter
Fluorescence power supply	100W fluorescence power supply (Wide voltage range and constant power and calculagraph)
Phase contrast	Compensation phase contrast
CCD adapter	0.4X, 0.5X, 1X, 0.5X with dividing 0.1mm/Div
Digital camera adapter	CANON digital camera adapter(A610,A620,A630,A640)
Photograph unit	2.5X/4X Change over photograph attachment with 10X viewing eyepiece
	4X Focusing photograph attachment
	MD Adapter
	PK Adapter

XDY-2



XDY-2 Inverted fluorescent microscope is composed with Epi-fluorescent microscope and inverted microscope, equipped excellent UIS optical system and adopted long working distance plan achromatic objectives and wide field eyepieces. Compact and steady main frame body is embodiment for the shock resistance. The enable turning out or into condenser system is suited for observation in a high culture dish. The Epi-fluorescence microscope system is adopted modularization function design idea, so that adjust the fluorescence illuminating system and switching-over fluorescence filters safely and quickly. This is a sort of ideal optical instrument for micro observation in cell tissue and transmitted liquid tissue, even in dynamic observation in the culture dish tissue, can be applied in the fluorescence microscopy, such as biological pharmacy, medicine checking and measure, disease prevent and etc.

Standard Configuration

Specification					
Eyepiece	Wide field WF10X(field number:22mm)				
	Centering telescope				
Infinity plan achromatic objective	Objective	PLL 10X0.25 Work distance:4.3 mm,Cover glass thickness:1.2mm.			
		PLL 20X0.40 Work distance:8.0 mm,Cover glass thickness:1.2mm.			
		PLL 40X0.60 Work distance:3.5 mm,Cover glass thickness:1.2mm.			
	Phase Contrast Objective	PLL 10X0.25 PHP2 Work distance:4.3 mm,Cover glass thickness:1.2mm.			
		PLL 20X0.40 PHP2 Work distance:8.0 mm,Cover glass thickness:1.2mm.			
		PLL 40X0.60 PHP2 Work distance:3.5 mm,Cover glass thickness:1.2mm.			
Eyepieces tube	Inclination angle is 45° and interpupillary distance is 53~75mm.				
Epi-fluorescent illumination system	Power supply unit, 110V or 230V can be selected.				
	100W/DC Mercury lamp is 100W/DC				
	Fluorescent filters				
		Group	Type	Wavelength of excitation light	Wavelength of emitted light
	UV+V		Ultraviolet light (UV)	330nm~400nm	425nm
			Violet light (V)	395nm~415nm	455nm
B+G		Blue light (B)	420nm~485nm	515nm	
		Green light (G)	460nm~550nm	590nm	
Focus system	Coaxial coarse/fine focus, with tension adjustable and up stop, minimum division of fine focusing is 2μm.				

Nosepiece	Quintuple nosepiece	
Stage	Fixed stage overall size is 227mmX208mm	
	Glass rotundity stage overall size is Φ 118mm	
	Mechanical moving device, moving range is 77mm (longitudinal)X114mm (transverse)	
	Culture dish holder 1	Inside locating slot size: 86mm (W)X129.5mm (L), optional with a circular culture dish Φ 87.5mm
	Culture dish holder 2	Inside locating slot size: 34mm (W)X77.5mm (L), optional with a circular culture dish Φ 68.5mm
	Culture dish holder 3	Inside locating slot size:57mm (W)X82mm (L)
Transmitted illumination system	Turnplate phase contrast condenser, working distance is 55mm	
	6V30W halogen, brightness enable control	
	Frosted glass and blue , green filter	

XYL-146Y SERIES



Model XYL-146Y Epi-fluorescent microscope is widely used in Biology, pathology, Immunology, Genetics, Material science, etc. It is usually outfitted with 2 wave bands ,B&G, and you can also proceed general transmission view at the same time . U&V wave band is available for option.

High quality optical system and B&G. fluoroscope box bring you satisfactory fluorescent effect.

Specification		146Y	146YT	146YA	146YAT
Viewing head	Compensation Free Binocular Head. Inclined at 30°			*	
	Compensation Free Trinocular Head. Inclined at 30°				*
	Sliding Binocular Head. Inclined at 45°	*			
	Sliding Trinocular Head. Inclined at 45°		*		
Eyepiece	WF10X/18mm	*	*		
	WF10X/22mm			*	*
Objective	195fluorescent objective:4X,10X,40X(S),100X(S, Oil)	*	*		
	Infinity fluorescent objective: 4X, 10X, 40X(S), 100X(S, Oil)			*	*
Stage	Double layers mechanical stage, Stage size:180mmX150mm Moving range: 75mmX50mm	*	*	*	*
Fluoroscope box	B, G Wave band	*	*	*	*
Condenser	N.A.1.25 Abbe condenser with iris diaphragm&filter	*	*	*	*
Focusing	Coaxial coarse&fine focusing adjustment with rack and pinion mechanism, Fine focusing scale Value 0.002mm	*	*	*	*

L3201-LED



L3201 LED Epi-fluorescent microscope is used for fluorescence microscopy and transmitted field observation. It is equipped with nomagnification spherochromatic aberration infinity plan achromatic fluorescent objectives and wide field eyepieces, has clear picture and wide view field. The transmitted and epi-fluorescent illumination light source are high power & brightness LED, but power consumption is lower and use life longer, very good radiating heat effect. Safely and comfortably using the instrument, the cost of use and maintenance are more lower. It is the ideal instrument in biology, cytology, oncology, genetics, immunology etc. It also can be used in scientific research, universities, medical treatment, epidemic prevention etc.

Features

1. Adopt infinity optical system and modularization function design.
2. Equipped with infinity plan achromatic fluorescent objectives, enable obtain more clearer and brighter image.
3. Wide-field plan eyepieces: field number Φ 22mm.
4. Coaxial coarse/fine focus system, with tension adjustable and limit stopper , minimum division of fine focusing: 2 μ m
5. Transmitted illumination: 3W high brightness white LED, brightness adjustable.
6. Epi-illumination: 3W high brightness monochromatic LED, enable changing for different wave length LED, but the brightness can't be adjustable.
7. Trinocular can be observation for eyepieces and microphotography in 100% light flux, suits for low illuminance microphotography.
8. Wide voltage range power supply (85-265V 50/60Hz).

Standard Configuration

Model	L3201 LED
Eyepiece	Wide field WF10X/22mm
Infinity plan achromatic objectives	PL 4X/0.10 Work distance:19.8 mm
	PL 10X/0.25 Work distance:5.0 mm
	PLF L40X/0.85(S) Work distance:0.42 mm
	PL 100X/1.25(S, oil) Work distance:0.36mm
Eyepieces tube	Trinocular, Inclination of 30°.
Epi-fluorescent illumination system	3W high brightness LED. Enable selecting monochromatic or bichromatic LED for light source, every monochromatic LED wave band: Green (520nm~530nm) Blue(460nm~470nm)
	Fluorescence filters: B(Blue) and G(Green).

Focus system	Coaxial coarse/fine focus system, with tension adjustable and limit stopper, minimum division of fine focusing: 2 μ m.
Nosepiece	Quadruple(Backward ball bearing inner locating)
Stage	Double layer mechanical (Size:210mmX140mm,movingrange:75mmX50mm)
Transmitted illumination system	Abbe condenser NA.1.25 Rack & pinion adjustable
	Blue filter and Ground glass
	Collector for LED illumination and integrated field diaphragm
	3W high brightness white LED, brightness adjustable.

Optional accessories

Name	Sort/Technique parameter
Eyepiece	Dividing eyepiece(field number: Φ 22mm) 0.10mm/Div
Objective	Infinity plan achromatic objective
	PL 60X/0.80Work distance:0.46 mm
Nosepiece	Quintuple(Backward ball bearing inner locating)
Filter	Green filter
	Yellow filter
LED	390nm~400nm Violet(390nm~400nm)
	360nm~370nm Ultraviolet(360nm~370nm)
Fluorescent filters	V (Violet)
	UV (Ultraviolet)
CCD adapter	0.4X, 0.5X, 1X, 0.5X with dividing 0.1mm/Div

L3001



L3001 Epifluorescent microscope is used for fluorescence microscopy and transmitted field observation. It is equipped with infinity plan achromatic objectives and wide field eyepieces, have clear picture and wide view field. It is the ideal instrument in biology, cytology, oncology, genetics, immunology etc. It also can be used in scientific research, universities, medical treatment, epidemic prevention etc.

Standard configuration:

Model	L3001
Eyepiece	Wide field WF10X/20mm
Objective	Infinity plan achromatic Objectives PL 4X/0.10
	Infinity plan achromatic Objectives PL 10X/0.25
	Infinity plan achromatic Objectives PL 40X/0.65(S)
	Infinity plan achromatic Objectives PL 100X/1.25(S, oil)
Eyepiece tube	Trinocular (Inclination of 30°)
Focus system	Coaxial coarse/fine focus, with tensional adjustable and up stop minimum division of fine focusing: 2μm
Nosepiece	Quadruple(Backward ball bearing inner locating)
Stage	Double layer mechanical (Size:210mmX140mm, Move range: 75mmX50mm)
Abbe condenser	N.A.1.25 Rack & pinion adjustable
Filter	Blue filter, Frosted filter
Collector	For halogen lamp
Light source	6V 20W Halogen lamp ,adjustable brightness
Reflected fluorescence system	Mercury lamp house 100W/DC
	Power supply unit:AV:110V or 220V
	Fluorescence filter system B exciton wavelength:420~485nm
	Fluorescence filter system G exciton wavelength:460~550nm
	Fluorescence filter system UV exciton wavelength:330~400nm
	Fluorescence filter system V exciton wavelength:395~415nm

YJ-2009H / 2002H



YJ-2009H



YJ-2002H

SPECIFICATION		2009H	2002H
Viewing head	Articulated Free Binocular Head, Inclined at 30°, 360° Rotatable The Adjustable Height range of the Vertical Tube: 10mm	*	*
Eyepiece	Wide Field Plane-Scope Eyepiece: WF10X/18, WF16X/13	*	*
Objective	Achromatic Objective 4X, 10X, 40X(S), 100X(S) Oil	*	*
Stage	Double Layers Mechanical stage 140X155mm, Moving range: 50X70mm	*	*
Diaphragm	Φ2mm-Φ30mm iris diaphragm and Φ32mm filter	*	*
Condenser	Abbe NA 1.25 condenser with Iris Diaphragm & Filter	*	*
Focusing	Coaxial Coarse And Fine Focusing Adjustable Mechanism: 30mm, Precision: 0.002mm	*	*
Power	Built-in Adjustable Brightness Halogen lamp 6V/20W, Kohler illumination	*	*
Fluorescence system	B(Blue) Exciting Lighting Filter System, Wavelength 450-490(nm) G(Green) Exciting Lighting Filter System, Wavelength 510-570(nm) V(Violet) U(Ultraviolet Radiation)	*	*