L3201LED

- ***L3201*** LED Epi-fluorescent microscope is used for fluorescence microscopy and transmitted field observation. It is equipped with no magnification 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.

Observation System

Binocular, single diopter adjustment, inclined 30° , comfortable & good-looking. Trinocular can be connected to the camera. 10X wide field plan eyepiece, field Φ22mm, can provide an expanse and smooth space for observation.

Stage:

Double layer mechanical stage , size of 210mmX140mm, move range: 75mmX50mm。 The design is in reason so that the operator feel easy and comfort.

Reflected fluorescence Illumination System

3W high brightness LED. Enable selecting monochromatic or bichromatic LED for light source every monochromatic LED wave band:Green(475nm~550nm) Blue(410nm~490nm)

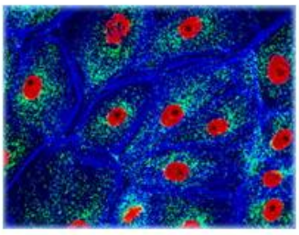
Fluorescence filters:B(blue)andG(Green).

Transmitted illumination system

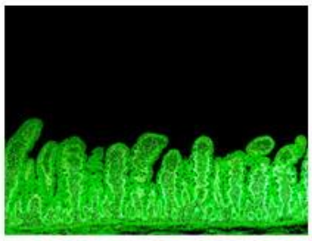
Abbe condenser NA.1.25 Rack & pinion adjustable. Blue filter and Ground glass.Collector for LED illumination and integrated field diaphragm.

3W high brightness white LED,brightness adjustable.

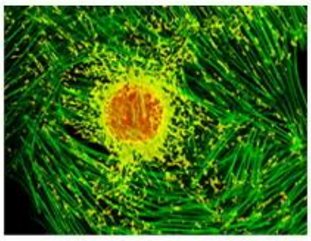
Digital camera photography:



Fluorescent observe



Fluorescent observe



Fluorescent observe

Specification

- **Standard Configuration**

Model	L3201 LED
Eyepiece	Wide field WF10X(Φ22mm)
Objective	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£¨spring£© (Work distance)：0.42 mm (No magnification spherochromatic aberration)
	PL 100X/1.25(Spring, 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 (475nm~550nm) Blue(410nm~490nm)
	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: 2μm.
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	NO.
Eyepiece	Dividing eyepiece(field number:Φ22mm) 0.10mm/Div	1122010
Objective	Infinity plan achromatic objective PL 60X/0.80(Work distance)：0.46 mm	2060160
	Infinity plan achromatic fluorescent objective	2610110

	PL FL10X/0.35(Work distance)：2.37 mm	
Nosepiece	Quintuple(Backward ball bearing inner locating)	032002
Filter	Green filter	115002
	Yellow filter	115003
LED	Violet(380nm~415nm)	/
	Ultraviolet(320nm~380nm)	/
Fluorescent filters	V(Violet)	/
	UV(Ultraviolet)	/
CCD adapter	0.4X	810001
	0.5X	810004
	1X	810002
	0.5X with dividing 0.1mm/Div	810003
Camera	DV-1 Video output(380/520 TV line) USB output (0.42 M pixel)	800001
	DV-2 With USB output (1.3M,,3.0M 5.0M 10.0Mpixel)	
	DV-3 With video output(380/520 TV line)	800005
Digital camera adapter	CANON(EF) NIKON(F)	820001

Diagram