



INFINITY

LABORATORY MICROSCOPE



***iOX 7 Delta FL-B***



## INFINITY

High efficiency, flexibility and stability are the characters of this series microscope. It is specially developed for various application fields. It is widely used from daily work to scientific research, in laboratory, hospital and college because of higher cost performance and reasonable humanized design, it becomes the first choice of individual, hospital and scientific research organization.

**iOX Delta-7 FL series** Fluorescent microscope is widely used in biology, immunology, oncology, genetics, material science, etc. Excellent infinite optical system makes the fluorescent image clearly. LED bulb can work up to 20000 hours. It also has several high efficient fluorescent wave bands for selection, suitable for different fluorescent application.

### FEATURES

- 1、 Wide-field eyepiece, high light illumination and superior optical components make the image clear, sharp and high brightness ;
- 2、 Backward nosepiece with superior objectives make the better viewing effect and more space for operators ;
- 3、 Wide mechanical stage with double specimen holder provides more convenient for the observers ;
- 4、 High precision focusing adjustment system and humanized configuration design provide operator more relaxing.

### MICROSCOPE SPECIFICATION

<b>Optical System</b>	Universal Infinity corrected optical system with all antifungal and antireflection coated optics.
<b>Viewing head</b>	Compensation Free Siedentopf butterfly type Trinocular Head. Inclined at 30°, 360° rotatable, Interpupillary distance 48 - 75mm.
<b>Mode of Observation</b>	Bright field, Darkfield, Phase contrast, Simple polarization and Fluorescence mode of observation technique.
<b>Eyepiece</b>	WF Plan 10×/22mm eyepieces along with arrow pointer having antifungal and antireflection coating.+_5 diopter adjustment.
<b>Objective</b>	i series Plan Achromatic objectives 4x, 10x, 20x,40x (spring loaded), 100x (spring loaded, oil). Antifungal and antireflection coated.
<b>Nose-piece</b>	Inward tilt fixed revolving quintuple nosepiece (Ball bearing type) with click stops and ribbed grip.
<b>Mechanical Stage</b>	Double layers rack less fixed mechanical stage .Stage Size : 190mm×160mm, Moving Range : 80mm×50mm on wire guides. Low drive right hand movement controls. Hard coated surface for scratch resistance. Double specimen holder clip.
<b>Condenser</b>	Sub stage Abbe condenser NA 1.25 (Oil) with aspheric lens. Inbuilt Aperture Iris diaphragm with blue daylight filter. Rack and pinion movements on stainless steel guides.
<b>Focusing</b>	Coaxial coarse & fine focusing adjustment with both sided large focus adjustable knobs. fine focusing scale value0.002mm.
<b>Light Source</b>	Epi-fluorescent illumination LED 3V/5W, AC85V-230V , brightness adjustable. For transmission light, built in precentered Koehler 2.4W LED illumination with aperture iris diaphragm and field iris diaphragm
<b>Fluorescent attachment</b>	B Wave band (In iOX 7 Delta FI-B Model) B,G Wave band(In iOX 7 Delta FI-B and G model)
<b>Certifications</b>	European Ce, ISO:9001,ISO:13485,US FDA, WHO GMP.
<b>Optional Accessory</b>	Eyepiece: WF15X/17mm,WF20X/12.5mm , objective infinite Plan large N.A fluorescent objectives 4X/0.15、 10X/0.35、 20X/0.60、 40X/0.75、 100X/0.90 (Dry) Photography attachment and CCD C-mount : 0.5X、 0.57X、 0.75X 1.3Mega、 2.0Mega、 3.0Mega、 5.0Mega、 10.0Mega pixels CMOS Digital camera eyepiece , CCD Camera,colour 1/3 High resolution 700 TV lines Image analysis software Fluorescent digital C CD ,G、 V、 UV, Red, Aqua Gold Wave band.

