



MICROSCOPES



cs@irisanalytical.com



+1 706 760 4500



www.irisanalytical.com

Fluorescence Microscope is designed to radiate light at particular bands of wavelengths onto the sample to view radiation wavelengths coming from the sample. The wavelengths are usually controlled by dichroic mirrors and filters; the light source is used to radiate light at certain wavelengths. Most fluorescence microscopes are equipped with a specialist digital imaging camera and software. Equipped with Mercury Epi-Fluorescent with LED advantages, such as intensity from a conservative lamp decline over its life, which means that illumination varies dramatically over time. Epi-fluorescence also be outfitted with the optional dark field unit, polarizing unit, phase contrast unit, fluorescent attachment, video adapter, photo adapter filters. Designed with advanced lamp housing to protect light leaking.

Fluorescence Microscope IMF-1000 Series

Fluorescence Microscope IMF-1000 Series is designed to radiate light at particular bands of wavelengths onto the sample to view radiation wavelengths coming from the sample. The wavelengths are usually controlled by dichroic mirrors and filters; the light source is used to radiate light at certain wavelengths. Most fluorescence microscopes are equipped with a specialist digital imaging camera and software. Equipped with Mercury Epi-Fluorescent with LED advantages, such as intensity from a conservative lamp decline over its life, which means that illumination varies dramatically over time. Epi-fluorescence also be outfitted with the optional dark field unit, polarizing unit, phase contrast unit, fluorescent attachment, video adapter, photo adapter filters. Designed with advanced lamp housing to protect light leaking



Fluorescent Microscope IMF-1100 Series

Fluorescent Microscope IMF-1100 Series is ideal for biological, histological, pathological, bacteriology, immunizations and pharmacy field and can be widely used in medical and sanitary establishments, clinics, hospitals, laboratories, institutes, academic laboratories, colleges and universities. 5W LED Illumination with consistent color temperature, achromatic objective to ensure high image flatness across the field, single lens and ABBE Condenser with iris diaphragm and backward quadruple revolving nosepiece. The binocular, and Trinocular viewing head has excellent Infinite Plan Achromatic 4X/0.10 of length 12.10 mm, 10X/0.25 of length 4.64 mm, 20X/0.40(S) of length 2.41mm, 40X/0.65 (S) of 0.65 mm, 100X/1.25(S, Oil) of length 0.12 mm objectives and each eye tube has interpupillary adjustment. Designed with blue, green, amber, grey filters as an optional accessory.



- Advanced lamp housing to protect light leaking
- Wild field WF10X22 mm and WF10X18 mm eyepieces
- Coaxial coarse and fine focusing knob, coarse focusing travel range: 25 mm, coarse stroke 42.4 mm/rotation, fine stroke 0.2 mm/rotation, fine division: 2 μ m
- Reckless double layers mechanical stage of length 182×140 mm, travel range of length 77×52 mm, scale: 0.1 mm with 2 slide holder and double layer mechanical stage of length 140×140 mm, cross travel of length 75×50 mm with 2 sides
- Abbe NA 1.25 and swing out condenser N.A.0.9/0.13 with iris diaphragm
- Plan concave mirror and 1W S-LED and 6V/30W halogen lamp light source
- Different filters including blue filter and green, amber, grey filters as optional accessories
- Binocular 30° inclined and a 360° rotatable head with interpupillary distance 48 to 76 mm, trinocular 30° inclined and a 360° rotatable head with interpupillary distance 48 to 76 mm, and binocular 45° inclined and a 360° rotatable head with interpupillary distance 55 to 75 mm, trinocular 45° inclined and a 360° rotatable head with interpupillary distance 55 to 75 mm
- Small footprint and light weight
- Easy operating with ergonomic design
- Excellent image quality with an infinite optical system
- Optional accessories to realize dark field unit, polarizing unit, phase contrast unit, fluorescent attachment, video adapter, photo adapter filter
- 6V/20W Kohler Illumination Halogen lamp as an optional accessories

Fluorescent Microscope IMF-1200 Series

Fluorescent Microscope IMF-1200 Series is ideal for education, pathology investigation, clinical and laboratory usage. Innovative LED as a fluorescence illumination source, provide an excellent image with easy and comfortable usage experience. 1W S-LED Illumination with consistent color temperature, achromatic objective to ensure high image flatness across the field, single lens and ABBE Condenser with iris diaphragm and backward quadruple revolving nosepiece. The binocular, and Trinocular viewing head has excellent Infinite E-Plan Achromatic Objective 4X, 10X, 40X, 100X (Oil) objectives and each eye tube has interpupillary adjustment. Designed with blue, green filters.



- LED cold light source
- Wild field WF10X20 mm and WF10X18 mm eyepieces
- Coaxial coarse and fine focusing knobs, travel range of length: 26 mm, Scale :2 μ m
- Double layers mechanical stage of length 140×140/ 75×50 mm with reckless double layers mechanical as an optional accessories
- Abbe NA 1.25 and Sliding-in Centerable Condenser NA 1.25 with iris diaphragm
- Mirror and 3W-LED light source
- Binocular 30° inclined and a 360° rotatable head with interpupillary distance 48 to 76 mm, trinocular 30° inclined and a 360° rotatable head with interpupillary distance 48 to 76 mm
- Small foot print and light weight
- Easy operating with ergonomic design
- Excellent image quality with an infinite optical system
- Optional accessories to realize field diaphragm, photo adapters(for dslr cameras), video adapters(1x, 0.5x), polarization set, phase contrast kit, filters, mirror, cable winding device
- 6V/20W and 6V/30W Kohler Illumination Halogen lamp as an optional accessories

Fluorescent Microscope IMF-1300 Series

Fluorescent Microscope IMF-1300 Series is used to study the absorbing, transportation, chemicals distribution and positioning in cells. They can be used in disease examination, immune diagnosis and life science areas and tuberculosis test applications with Ziehl-Neelsen-Staining or fluorescence excitation, e.g. with Auramine O dye. 3W LED Illumination with consistent color temperature, achromatic objective to ensure high image flatness across the field, single lens and ABBE Condenser with iris diaphragm and backward quadruple revolving nosepiece. The binocular, and Trinocular viewing head has excellent Infinite E-Plan Achromatic Objective 4X, 10X, 40X, 100X objectives and each eye tube has interpupillary adjustment. Designed with blue, green filters and Kohler Illumination.



- Wild field WF10X20 mm and WF10X22 mm eyepieces
- Coaxial coarse and fine adjustment, fine division 0.002 mm, coarse stroke 37.7 mm/rotation, fine stroke 0.2/rotation, moving range 22 mm
- Rectangular of length 230×150 mm, Cross Travel 78×54 mm with 2 slides holder and reckless double layers mechanical stage of length 182×140 mm, travel range: 77×52 mm, scale: 0.1 mm with 2 slide golder
- Abbe Condenser NA1.25 with aperture diaphragm and swing out condenser N.A.0.9/1.25 with iris diaphragm
- Mirror and 12V/20W halogen lamp light source
- Different filters including blue filter and green, amber, grey filters as optional accessories
- Binocular 30° inclined and a 360° rotatable head with interpupillary distance 48 to 76 mm, trinocular 30° inclined and a 360° rotatable head with interpupillary distance 48 to 76 mm
- Small foot print and light weight
- Easy operating with ergonomic design
- Excellent image quality with an infinite optical system
- Optional accessories to photo attachment, video attachment, polarization set, phase contrast kit, kohler illumination
- 3W LED lamp Kohler Illumination as an optional accessories

Fluorescent Microscope IMF-1400 Series

Fluorescent Microscope IMF-1400 Series is ideal for education, pathology investigation, clinical and laboratory usage. Innovative LED as a fluorescence illumination source, provide an excellent image with easy and comfortable usage experience. 3W LED Epi-Fluorescence Illumination with consistent color temperature, achromatic objective to ensure high image flatness across the field, single lens and ABBE Condenser with iris diaphragm and backward quadruple revolving nosepiece. The binocular, and Trinocular viewing head has excellent Infinite E-Plan Achromatic Objective 4X/0.10 of length 12.10 mm, 10X/0.25 of length 4.64 mm, 20X/0.40(S) of length 2.41 mm, 40X/0.65 (S) of length 0.65 mm, 10X $\times$ /1.25(S, Oil) of length 0.12 mm objectives and each eye tube has interpupillary adjustment. Designed with blue, green, amber, grey filters as an optional accessory.



- Wild field WF10X20 mm and WF10X22 mm eyepieces
- Coaxial coarse and fine adjustment, fine division 0.002 mm, coarse stroke 37.7 mm/rotation, fine stroke 0.2/rotation, moving range 22 mm
- Reckless double layers mechanical stage of length 182 mm
- Swing out condenser N.A.0.9/1.25 with iris diaphragm
- Mirror and 12V/20W halogen lamp light source
- Different filters including blue filter and green, amber, grey filters as optional accessories
- Binocular 30° inclined and a 360° rotatable head with interpupillary distance 48 to 76 mm, trinocular 30° inclined and a 360° rotatable head with interpupillary distance 48 to 76 mm
- Small foot print and light weight
- Easy operating with ergonomic design
- Excellent image quality with an infinite optical system
- Optional accessories: video adapter, photo adapter, filter, dark field unit, polarizing unit, phase contrast unit, koehler illumination
- 3W LED lamp Kohler Illumination as an optional accessories

Fluorescent Microscope IMF-1500 Series

Fluorescent Microscope IMF-1500 Series is used to study the absorbing, transportation, chemicals distribution and positioning in cells. It is widely used in disease examination, immune diagnosis and life science areas. 6V/30W Halogen lamp illumination with consistent color temperature, achromatic objective to ensure high image flatness across the field, single lens and ABBE Condenser with iris diaphragm and backward quadruple revolving nosepiece. The trinocular viewing head has excellent Infinite Plan Achromatic 4X, 10X, 40X, 100X, N-PLN Plan: 4X/NA=0.10 of length 30 mm, 10X/NA=0.25, of length 10.2 mm, 20X/NA=0.40, of length 12 mm, 40X/NA=0.65, of length 0.7 mm, 100X(Oil)/NA=1.25, of length 0.2 mm, Plan semi-apochromatic fluorescent 4X/0.13(infinity), of length 18.5 mm, 10X/0.30(infinity) of length 10.6 mm, Plan semi-APO phase contrast: 10X NA=0.3 of length 8.1 mm, Cover glass, 1.2 mm, 20X NA=0.45 of length 7.5-8 mm objectives and each eye tube has interpupillary adjustment. Designed with U, V, R, B1 fluorescent filters.



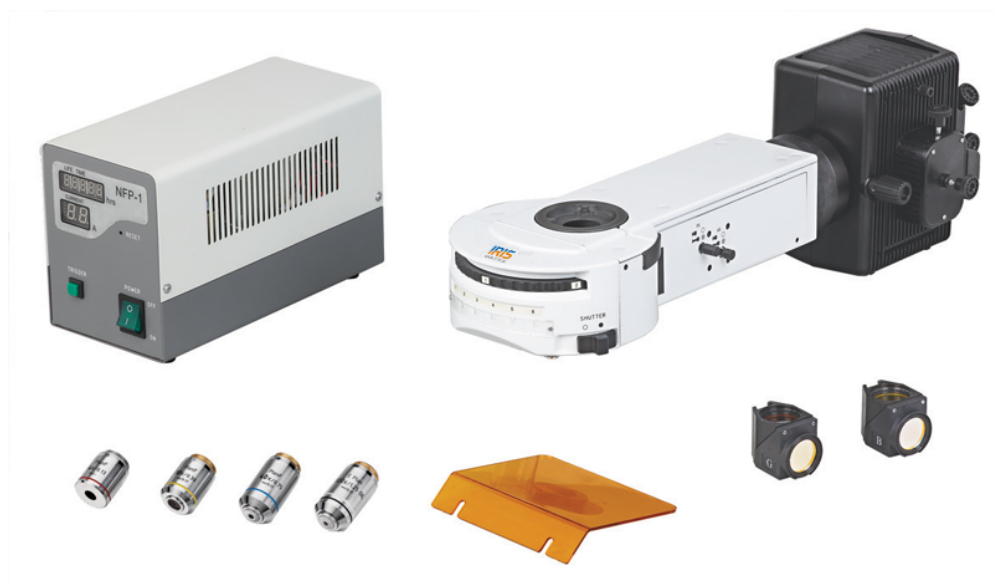
- Wild field WF10X22 mm, super wide field SW10X25 mm, extra wide field EW12.5X17.5 mm, high eye point wide field plan eyepiece PL10X25 mm, and SW10X25mm,30 mm eyepieces
- Coaxial coarse and fine adjustment, fine division 0.002 mm, coarse stroke 37.7 mm/rotation, fine stroke 0.2/rotation, moving range 22 mm
- Double layers mechanical stage and triple layer mechanical stage, movement range 130×85 mm, flexible knob.
- Swing Condenser NA 0.9/0.25 etc.
- Mirror and 12V/20W halogen lamp and 3W S-LED lamp light source
- Different filters including blue filter and green, amber, grey filters as optional accessories
- Binocular 30° inclined and a 360° rotatable head with interpupillary distance 48 to 76 mm, trinocular 30° inclined and a 360° rotatable head with interpupillary distance 48 to 76 mm
- Small foot print and light weight
- Easy operating with ergonomic design
- Excellent image quality with an infinite optical system
- Optional accessories: photo adapter canon DSLR camera, video adapter, 1× c-mount, 0.5× c-mount etc.
- 12V/100W halogen lamp and LED lamp Kohler Illumination as an optional accessories

Upright Fluorescence Microscope IMF-2000 Series

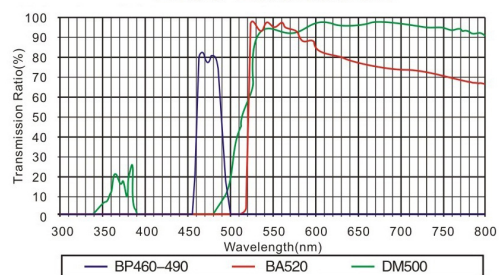
Upright Fluorescence Microscope IMF-2000 Series customized with brilliant, Halogen Lamp Kohler illumination, ergonomic accessories, sophisticated Epi-fluorescent attachment, and intuitive software to meet a broad range of applications and capability to reduced heat transfer with greater stability. Supply excellent images over the entire magnification range are suitable for disease examination, immune diagnosis and life science areas.



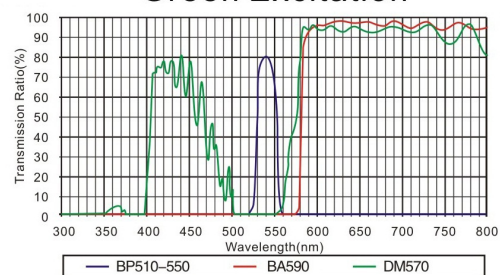
Accessories



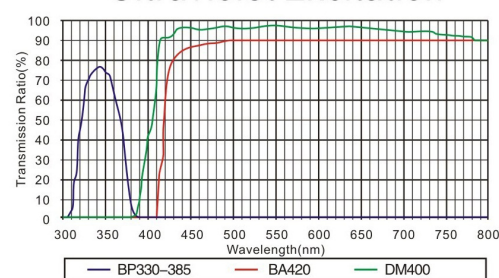
Blue Excitation



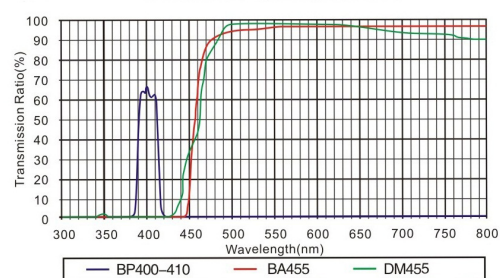
Green Excitation



Ultraviolet Excitation



Violet Excitation



Upright Fluorescence Microscope IMF-2100 Series

Upright Fluorescence Microscope IMF-2100 Series is used to study the absorbing, transportation, chemicals distribution and positioning in cells. It is widely used in disease examination, immune diagnosis and life science areas. 6V/30W Halogen Lamp Kohler Illumination with consistent color temperature, achromatic objective to ensure high image flatness across the field, single lens and ABBE Condenser with iris diaphragm and Quintuple along with choice offer reversed sextuple nosepiece. The trinocular viewing head has excellent Infinite Plan Achromatic: 4X/0.10, 17.3 mm, 10X/0.25, 10 mm, 40X/0.65(S), 0.54 mm, 100X/1.25(S, Oil), 0.13 mm and optional: 20X/0.40, 5.1 mm; Infinite Plan Fluorescent: 4X/0.13, 10X/0.30, 20X/0.50, 40X/0.75(S), 100X/1.3(S, Oil), objectives and each eye tube has interpupillary adjustment. Designed with Neutral ND25/ ND6 filters as optional accessories.



- Advanced lamp housing to protect light leaking
- Extra wide field EW10X22mm eyepieces
- Coaxial coarse and fine adjustment and fine division: 0.001 mm, coarse stroke of length 37.7 mm/Rotation, fine stroke 0.1mm/Rotation, moving range 24 mm
- Double layers mechanical stage of length 185×142 mm, moving range 75×55mm
- Swing condenser NA 0.9/ 0.25
- 1W S-LED and 6V/30W halogen lamp light source
- Different filters including Neutral ND25/ ND6 Filter as an optional accessories
- Trinocular 30° inclined and a 360° rotatable head with interpupillary distance 48 to 75 mm
- Small foot print and light weight
- Easy operating with ergonomic design
- Excellent image quality with an infinite optical system
- Optional accessories to realize Photo and Video Adapter, filters
- 24V/100W and 5W LED Kohler Illumination Halogen lamp as an optional accessories

Inverted Fluorescence Microscope IMF-3000 Series

Inverted Fluorescence Microscope IMF-3000 Series customized with brilliant, Halogen Lamp Kohler illumination, ergonomic accessories, sophisticated high-resolution cameras, and intuitive software to meet a broad range of applications. Delivers 4 excitation filter systems. The barrier filters are longpass allowing transmission from the wavelengths: Blue: 460 to 490 nm, Green: 480 to 550 nm, UV:330 to 385 nm, and V: 400 to 410 nm.



Inverted Fluorescence Microscope IMF-3100 Series

Inverted Fluorescence Microscope IMF-3100 Series deals with the flexibility and power that user needs to advance their work along with high-resolution cameras, and vivid 6V/30W Halogen lamp illumination and 100W HBO Ultra Hi-voltage Spherical Mercury Lamp as a light source, these inverted systems are highly flexible and fit perfectly for user laboratory needs. Ideal for cell culture used in universities, hospitals and life science labs for disease examination, immune diagnosis and scientific research. Equipped with trinocular viewing head and different filters including Blue, Green and Ground glass filters. It is a significant instrument finished to a high standard. High performance, long working distance Infinite Plan Achromatic objectives are fitted as standard with a reversed quintuple nosepiece and Extra Long Working Distance NA 0.3 of length 72 mm condenser. Features with 10×/ 0.25, 6 mm, 20×/ 0.4, 3.1mm, 40×/ 0.55, 2.2 mm high-level phase contrast objective with a corresponding phase plate and focusing Centering telescope of length 30 mm is included as standard.



- Centering Telescope of length 30 mm
- High point extra wide field EW10×/ 22 mm eyepieces
- Coaxial coarse and fine adjustment and fine division: 0.002 mm, coarse stroke 37.7mm/rotation, fine stroke 0.2mm/rotation, moving range up 8 mm, down 3 mm
- Plain stage of length 160×250 mm, glass insert plate, auxiliary stage of length 70×180 mm, auxiliary stage of length 70×180 mm
- ELWD Condenser NA 0.3, LWD 72 mm
- 6V/30W halogen lamp light source
- Different filters including Blue, Green and Ground glass filters
- Trinocular 30° inclined and a 360° rotatable head with interpupillary distance 48 to 75 mm
- Small foot print and light weight
- Easy operating with ergonomic design
- Excellent image quality with an infinite optical system
- Optional accessories Photo Adapter for Nikon and Canon DSLR cameras, Neutral ND25/ ND6 Filter
- 3W LED Kohler Illumination Halogen lamp as an optional accessories

Inverted Fluorescence Microscope IMF-3200 Series

Inverted Fluorescence Microscope IMF-3200 Series deals with the flexibility and power that user needs to advance their work along with high-resolution cameras, and vivid 6V/30W Halogen lamp illumination and 100W HBO Ultra Hi-voltage Spherical Mercury Lamp as a light source, these inverted systems are highly flexible and fit perfectly for user laboratory needs. Ideal for cell culture used in universities, hospitals and life science labs for disease examination, immune diagnosis and scientific research. Equipped with trinocular viewing head and different filters including Blue, Green and Ground glass filters. It is a significant instrument finished to a high standard. High performance, long working distance Infinite Plan Achromatic objectives are fitted as standard with a reversed quintuple nosepiece and Extra Long Working Distance NA 0.3 of length 72 mm condenser. Features with 10X/ 0.25, 6 mm, 20X/ 0.4, 3.1mm, 40X/ 0.55, 2.2 mm high-level phase contrast objective with a corresponding phase plate and focusing Centering telescope of length 30 mm is included as standard.



- Centering Telescope of length 30 mm
- Extra wild field WF10×/ 20 mm eyepieces
- Coaxial coarse and fine adjustment and fine division: 0.002mm, Moving Range up 4.5mm, down 4.5mm
- Plain stage of 230×170 mm, glass insert plate, attachable mechanical stage, x,y coaxial control, moving range of length 80×120 mm, auxiliary stages 70×180 mm with terasaki holder, petri dish holder of length 38 mm, and 54 mm
- ELWD Condenser NA 0.3, LWD 72 mm
- 6V/30W halogen lamp light source
- Different filters including Blue, Green and Ground glass filters
- Trinocular 45° inclined and a 360° rotatable head with interpupillary distance 48 to 75 mm
- Small foot print and light weight
- Easy operating with ergonomic design
- Excellent image quality with an infinite optical system
- Optional accessories Photo Adapter, 0.5× C-mount, Modulation Contrast
- 5W LED Kohler Illumination Halogen lamp as an optional accessories

