

AST-3580 Fluorescence Biological Microscope



Product Introduction



Infinity color corrected optical system, new upgraded Koehler illumination system, presents a clear & bright micro-image under each magnification.

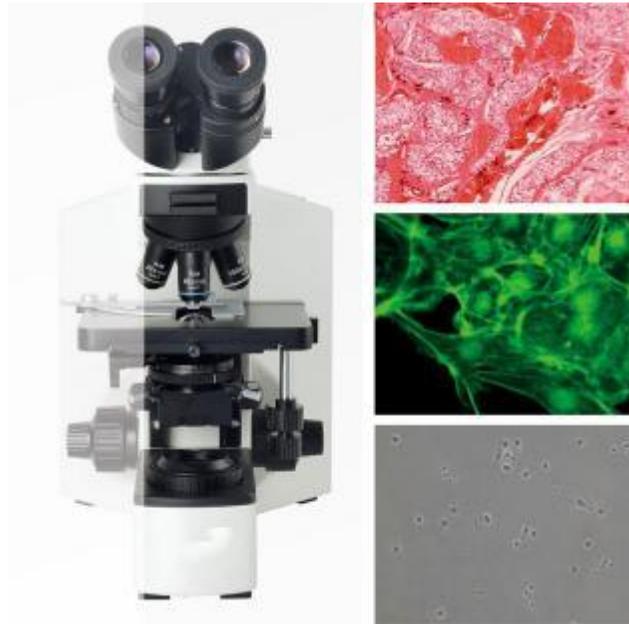
Fire-new ergonomic design, steady system structure, easy operation, is suitable for various working environments.

"Building blocks" design for combining multiple functions, fluorescence, phase contrast,

polarizing, dark field attachments can be assembled on the basis of bright field observation.

Widely apply to clinical diagnosis, teaching experiment, pathological test and other micro-fields.

High rigidity mirror structure The newly designed integrated Y-type frame, all-metal high-pressure die cast, with excellent stability, high power observation, like the surface without jitter, more to ensure the detection accuracy of multi-channel fluorescence diagnosis.



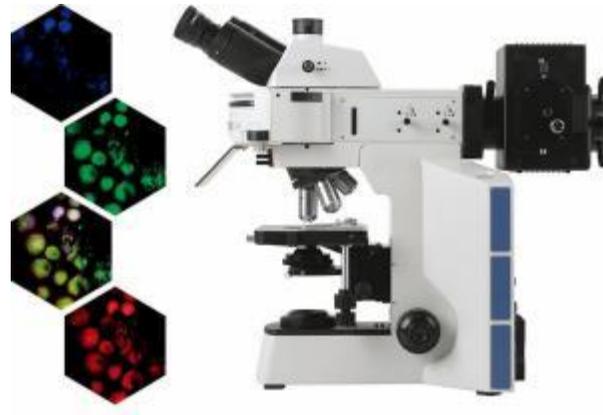
Mobile working platform 175 145mm right-hand double-layer composite mechanical platform, damped double-slice clip design, can be two slices placed at the same time for inspection and comparative analysis. Or equipped with 187166mm large double layer composite mechanical platform, two-way rail transmission, left, right hand position optional; more 150mm 162mm of ceramic painting platform available, not only wear resistance, corrosion resistance, but also can reduce the platform deformation caused by temperature changes.



Multi-band fluorescent LED drop emission illuminator new LED drop emission fluorescence device, can choose according to the actual demand, a specific wavelength of LED light source, can achieve B, G, UV and open field observation at the same time. The filter block and LED lamp source linkage switch to make the observation more accurate, stable and effective. LED unique light source system, when used without preheating and cooling, to meet the repeated switching use in a short time. The super-long working life is 250 times that of the mercury lamp, upto 100,000 hours, greatly reducing the experimental cost. LED light intensity is continuously adjustable, users can adjust the brightness of the sample, the light is soft and uniform, effectively avoid the fluorescence quenching caused by high brightness, at the same time, better protect the eyes from damage.



The new designed high-precision disk filter block switch mechanism, the filter block is in the same position, convenient and flexible replacement, up to six fluorescent filter blocks can be installed at the same time. A high-performance fluorescence filter system is selected to ensure the accuracy of the FISH experiment. The spectral transmittance is high, the filter is without color wear phenomenon, it has a very high signal-to-noise ratio, and the fluorescence imaging lining is greatly improved. The light filter block adopts the background stray light elimination technology, which presents the super high contrast between the picture and the background to achieve the best observation effect.



The PLAN-FLUOR series infinite distance flat field semi-complex elimination fluorescence objective lens uses a large number of crystal optical materials, perfect correction of all kinds of color aberrations, very large numerical aperture design, to provide high definition, high contrast microscopy images in the full field of view.

When the fluorescence observation, the image is bright and clear, the background is pure black, and the ultraviolet fluorescence is more prominent, which is the best choice for the professional fluorescence observation of all kinds of cells and pathological sections.

