

QBC ParaLens Advance

LED fluorescence microscopy provides many significant advantages over bright field microscopy, such as increased sensitivity of diagnostic assays as well as the ability to perform a variety of clinical, research and industrial applications. Until recently, fluorescence microscopy was not practical in many settings due to various reasons, such as exorbitant capital costs, increased training burden, lack of portability and durability, significant maintenance burden, hazardous UV emissions and space constraints. These problems and others have been solved by the revolutionary [QBC ParaLens Advance Fluorescent Microscopy System](#).

The Fluorescence Microscopy Solution

The QBC ParaLens Advance Microscope Attachment is a unique solution to Fluorescence Microscopy in that it combines the critical components of an epifluorescence microscope, namely the light source and filter set, with a microscope objective in a compact, durable format that can transform virtually any compound light microscope into an epifluorescence microscope. Utilising LED technology, the ParaLens light source lamp has a life of 20,000 hours, far exceeding that of standard fluorescence scopes, and can be powered by low voltage DC sources such as a solar pack or laptop computer USB port. Moreover, the LED source is mercury-free and produces no UV radiation.

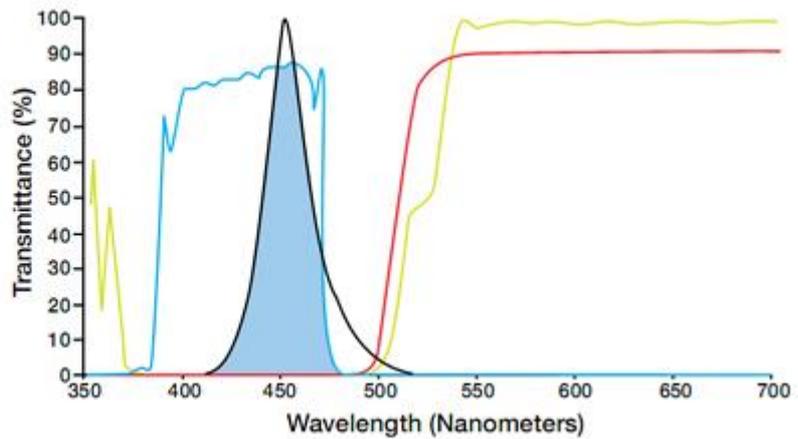
Designed for Functionality

The ParaLens Advance is available with a light source-filter combination that supports fluorescence applications that utilise blue excitation and emission light in the green to red spectrum (e.g. FITC fluorescence). This combination allows for a very broad range of applications such as TB detection, malaria diagnosis, indirect fluorescence assays, antibody-based staining studies, gene/protein expression studies, water testing and many other functions. The attachment is available with 40x, 60x (oil), and 100x (oil) objectives and a solar/battery pack power source, as well as USB, car cigarette lighter and battery clamp power cords are available for use in resource limited settings. The ParaLens is packaged in a rugged custom case that is perfect for transport and storage in the field and other rough settings.

Fluorescence Microscopy for the World

Altogether, the QBC ParaLens Advance Fluorescent Microscopy System is a practical alternative to a standard fluorescence microscope, bringing the powerful application of fluorescence microscopy to the world.

- Excitation Filter**
385-480
- Dichroic Filter**
510
- Emission Filter**
480
- Light Output**
410-511
- Excitation Output**
410-480



QBC ParaLens Advance Parts



Main Body Assembly



LED Light Source



Power Pack



Filter Set Arm



Microscope Objective
(20x, 40x, 60x, 100x)



Plug Adapters