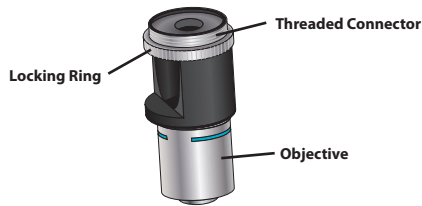
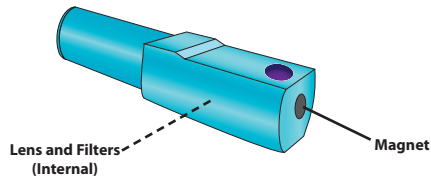


ParaLens Advance Components

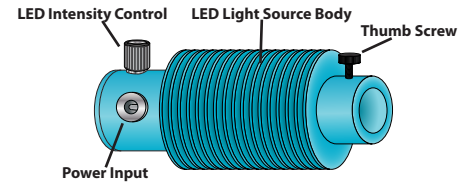
Main Body Assembly



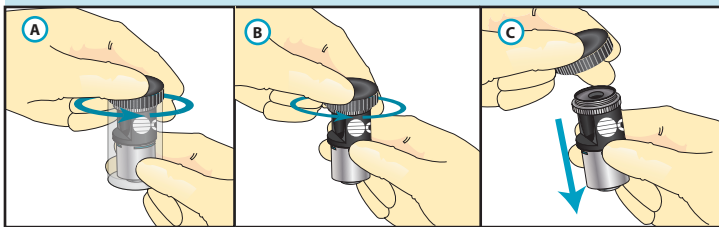
Filter Set Arm



LED Light Source



1. Remove Main Body Assembly

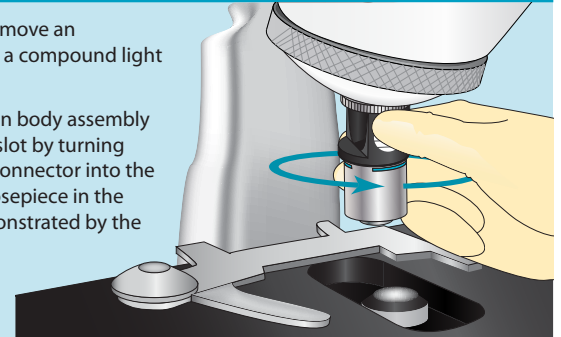


Unscrew the lid of the protective casing in the direction seen by the arrow (A). Detach the main body assembly from the lid by holding the assembly and twisting the lid (B) until the assembly comes loose (C).

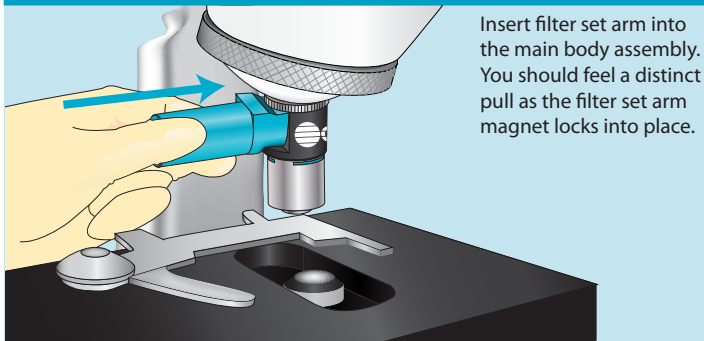
2. Attach Assembly to Microscope

If necessary, remove an objective from a compound light microscope.

Attach the main body assembly into the open slot by turning the threaded connector into the microscope nosepiece in the direction demonstrated by the arrow.

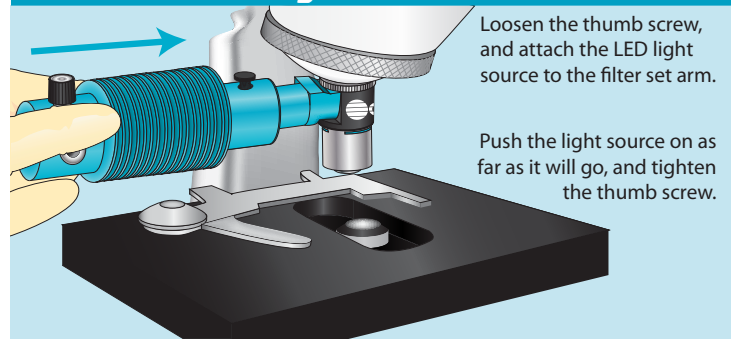


3. Insert Filter Set Arm



Insert filter set arm into the main body assembly. You should feel a distinct pull as the filter set arm magnet locks into place.

4. Attach LED Light Source



Loosen the thumb screw, and attach the LED light source to the filter set arm.

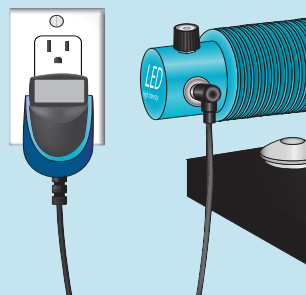
Push the light source on as far as it will go, and tighten the thumb screw.

5. Plug In Power Pack

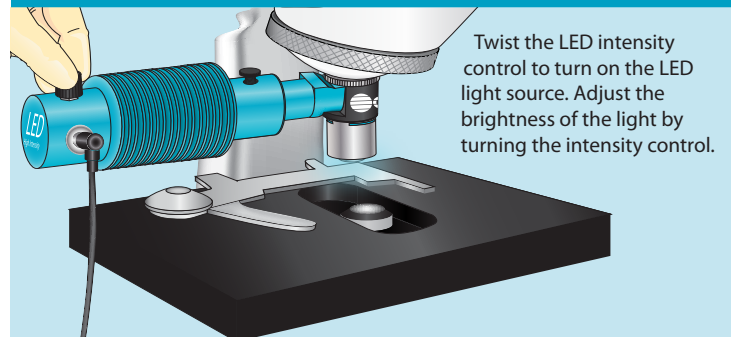
Select the adapter for your country, and attach to the power pack by pressing straight, then down until it clicks into place.



Insert the power pack cord directly into the LED light source power input, and the plug end into an approved electrical outlet (as shown) or other power source.



6. Turn On



Twist the LED intensity control to turn on the LED light source. Adjust the brightness of the light by turning the intensity control.

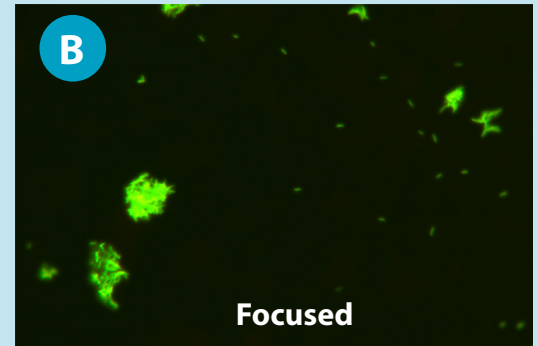
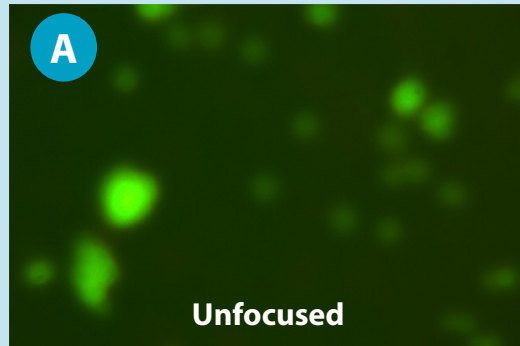
ParaLens Advance User Guide

Viewing Samples

If using a 60x or 100x objective, add immersion oil to slide and switch to the ParaLens Advance. If using 20x or 40x objectives, DO NOT use immersion oil.

At right are examples of an AFB sample unfocused (A) and focused (B) under the ParaLens Advance.

Note: Unfocused AFB samples viewed under fluorescence microscopy may appear completely dark. In such cases, F.A.S.T.™ Control slides and/or the SureFocus™ microscope slide can be used to find the proper focal plane.



Preventative Maintenance

All ParaLens Advance systems come with a Preventative Maintenance Kit, containing the following cleaning supplies:

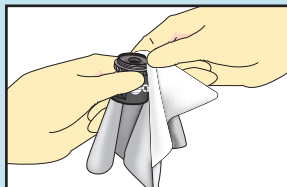


Lens Cleaner Bulb

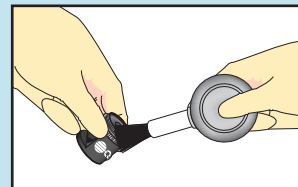


Microfiber Cloth

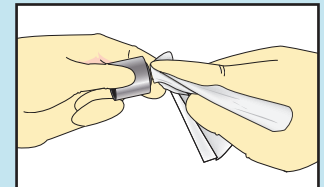
External Cleaning



Use the microfiber cloth to clean fingerprints and smudges off of surface areas of the ParaLens Advance.



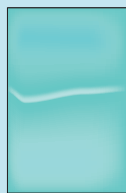
The lens cleaner bulb can be used to brush and blow dust particles off of the outside of the ParaLens Advance.



Use a sheet of lens paper to wipe oil residue off of the objective.

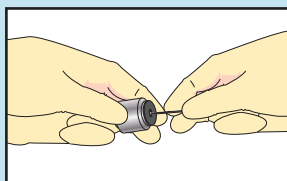


Cleaning Swabs

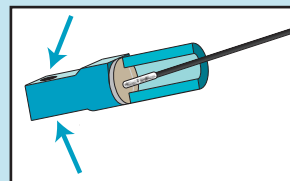


Lens Paper

Internal Cleaning



To clean interior parts of the ParaLens Advance, gently swab inside of the objective and the filter set arm in the areas shown.

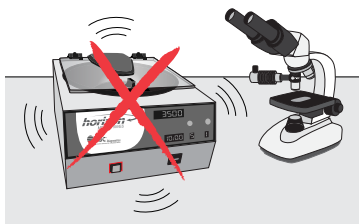


Important Note:

When performing internal cleaning, be careful not to press too hard against lenses and filters.

Precautions and Tips

Make sure laboratory bench surface is level and free of machines that may vibrate and affect viewing using the ParaLens Advance and microscope.



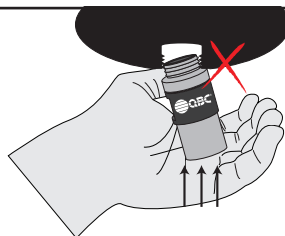
The ParaLens Advance Portability Pack contains additional power options, including 12-volt cigarette lighter and USB adapters, and a solar battery pack.

The QBC Mobile Power Station uses a rechargeable battery to power the ParaLens Advance or other QBC products.



Do not force the objective into the threading when attaching the ParaLens Advance. It should attach straight (not at an angle, as seen to the right), and fit and screw in easily.

Adapter rings are available for microscopes with non-standard threading.



The LED bulb is a high powered light source. Therefore, DO NOT look directly into the light source, or permanent vision damage may occur.

