



# EVOS<sup>®</sup> xl

## QUICK START GUIDE

Digital Inverted Microscope  
Transmitted Light Applications

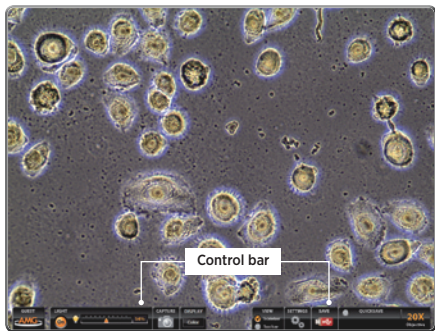


mercury-free  
energy-efficient

# Overview

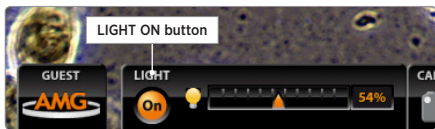
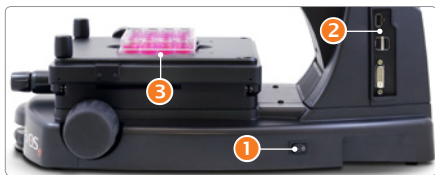
The **EVOS xl** microscope has two types of controls: mechanical and software. Mechanical controls include the stage X-Y axis knobs, focusing knobs, phase annuli selector, and the objective selection wheel. Software controls are located in the **control bar** at the bottom of the display screen.

**Note:** *The EVOS xl User Guide is on the USB flash drive. You can also download it from the EVOS xl product page at [www.amgmicro.com](http://www.amgmicro.com).*

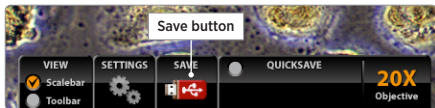
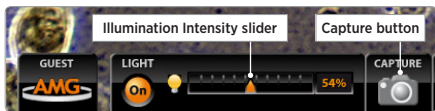


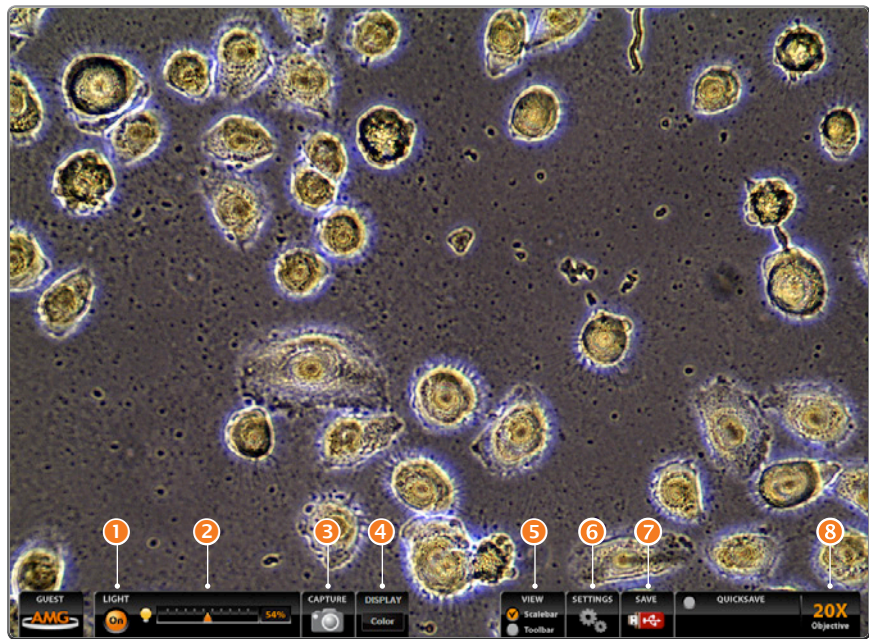
## Basic Operation

1. Turn on the microscope with the **power switch 1** on the right side of the base.
2. Plug a USB flash drive into one of the **USB ports 2** on the right side of the microscope.
3. Place the **sample 3** on the stage, using a vessel holder if needed.
4. Set magnification with the **objective selection wheel 4** on the front of the microscope.
5. Turn on illumination with the **LIGHT ON button** located on the left side of the control bar.



- Turn the **phase annuli selector** 5 to the position that corresponds to the selected objective and desired contrast method.
- Insert the appropriate **condenser slider** 6 into the slot on the condenser assembly.  
**Note:** A Diffuser slider can be used for low magnification Brightfield applications (2x or 4x) to improve flat field illumination.
- If ambient light interferes with phase contrast image quality, use the **condenser shield** 7.
- Adjust the **Illumination Intensity slider** on the control bar as needed.
- Focus the sample with **focusing knobs** 8.
- Click the **Capture button**.
- Click the **Save button** to save the image. See the EVOS xl User Guide (in the enclosed USB flash drive) for further details on saving files, file types, etc.





1. LIGHT ON/OFF button
2. Illumination Intensity slider
3. Capture button
4. Color Adjustment button
5. View Tab: Scalebar and Toolbar options
6. Settings tab
7. Save button
8. Selected objective



