



EVOS[®]

THE FUTURE OF MICROSCOPY

ALL-IN-ONE

DIGITAL INVERTED
microscope

designed for performance and ease-of-use



+ ALL-IN-ONE microscope

The EVOS digital inverted microscope is unlike any other – powerful yet easy-to-use, ergonomically designed and fully integrated. Traditional systems rely on a chaotic blend of components – stands, cameras, couplers, light sources, power supplies, cables everywhere, etc. EVOS replaces this mess with one powerful seamless instrument – it's the future of microscopy.

- + Patented LED illumination technology (up to 4 channels)
- + Custom-engineered precision optics
- + Advanced ergonomic design
- + Small footprint – fits inside cell culture hoods
- + Integrated computer and imaging software
- + High-sensitivity digital camera
- + High-resolution 15-inch LCD

AMG's commitment to user-friendly design and functionality is visible in every feature – from the single switch to turn on the entire workstation to the streamlined software and user interface; the EVOS microscope was built from the ground up to maximize performance and optimize workflow. You'll be astonished at how easy it is to operate the instrument, and amazed how extraordinary your images look on-screen.

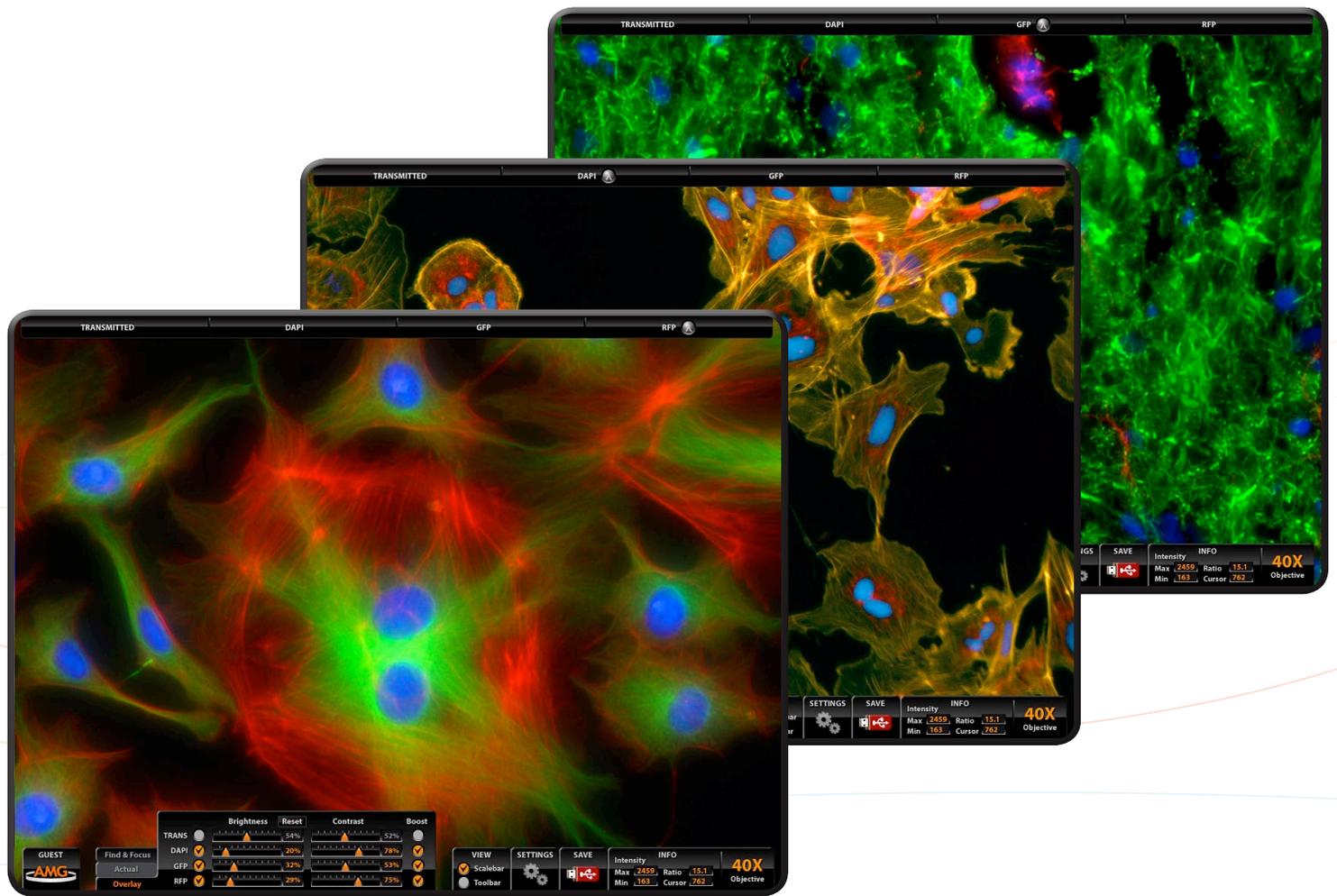
+ LED fluorescence

At the heart of EVOS fl is its unique patented LED light cube system (US Patent 7,502,164). Its world-leading light engine outputs remarkable intensity over a short light path to deliver incomparable excitation. Each cube contains an LED, condensing optics, and filters. They are user-changeable, automatically recognized by the system, and plug-and-play.

- + **Precise digital illumination level controls**
- + **50,000+ hour lifetime**
- + **Instant ON/OFF, no shutters**
- + **Environmentally safe mercury-free LED bulbs**
- + **15X less power consumption than conventional fluorescence microscopes**
- + **Easy installation and no maintenance required**

Each light cube contains a precisely matched set of optical components to optimize the position, evenness, and intensity of the light beam. Digitally controlled LED light sources allow adjustment of illumination levels; dramatically improving control over photobleaching.





+ Integrated imaging system

EVOS microscopes are equipped with an integrated computer and imaging software that were designed and programmed for real-life imaging. Everything you need to acquire, manipulate, save, and transfer an image can be done right from the microscope – in one place, with one instrument. Perhaps the most unique and useful feature is the ability to quickly collect a series of images using each filter cube and then automatically overlay them to create multi-channel composite images right at the microscope. Beyond these core functions, a toolbar provides an ever-growing list of added features – time-lapse video, cell counting, image overlays, automated transfection images, scale bar, and the list continues to grow...

You'll be amazed at how easy it is to learn and use the mouse-controlled user interface and how well the software performs and operates.

- + **Set image acquisition modes**
- + **Adjust exposure parameters**
- + **Overlay and export multi-channel fluorescence images**
- + **Auto track filters and objectives**
- + **Utilize imaging tools and features such as transfection analysis, time-lapse and cell counting**
- **Save data/images as 16-bit TIFF or PNG; 24-bit color TIFF, PNG, JPG, BMP files**

Images are saved on a flash drive or other USB external hard drives using any one of the three USB ports. A convenient DVI output allows connection to an external display or projector.



+ Ordering information

EVOS xl transmitted light microscope

Objectives	Arm Rest	Mfr. No.	Cat. No.
No objectives	No	AME-3300	12-563-450
Plan - Ph 4X, 10X, 20X, 40X	No	AME-3302	12-563-452
Plan - 2X; Ph 4X, 10X, 20X, 40X	No	AME-3301	12-563-451
Plan - 2X; Ph 4X, 10X	Yes	AME-3311	12-563-453

EVOS fl fluorescence microscope

Objectives	LED Light Cubes	Mfr. No.	Cat. No.
No objectives	No light cubes	AMF-4300	12-563-460
No objectives	GFP, RFP, DAPI	AMF-4305	12-563-464
4X Ph; Fluor 10X, 20X, 40X	No light cubes	AMF-4304	12-563-463
4X Ph; Fluor 10X, 20X, 40X	GFP, RFP, DAPI	AMF-4302	12-563-462
2X; 4X Ph; Fluor 10X, 20X, 40X	GFP, RFP, DAPI	AMF-4301	12-563-461

Please contact your local representative or visit www.amgmicro.com for a complete list of objectives, LED light cubes, vessel holders, and stage plates.



For customer service, call 1-800-766-7000.
To fax an order, use 1-800-926-1166.
To order online: www.fishersci.com