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ADVANCED MICROSCOPY GROUP

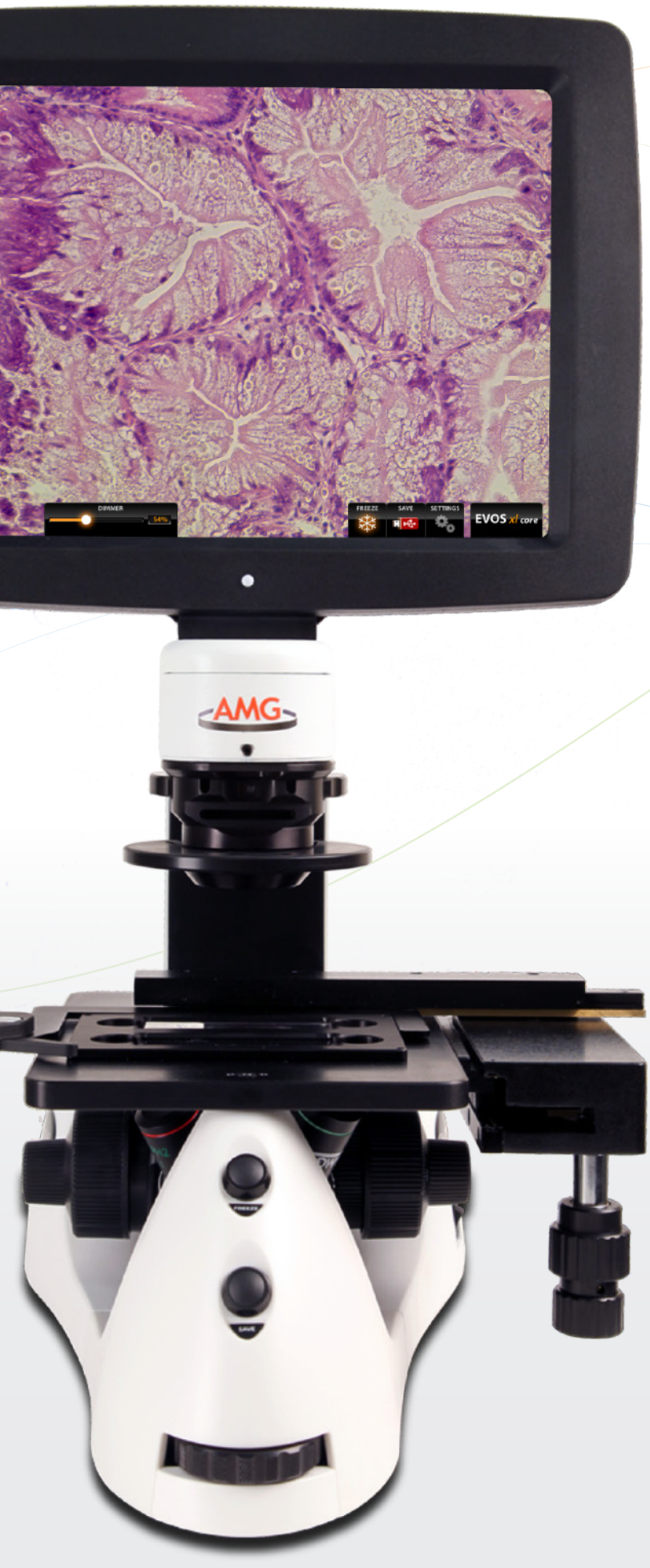


EVOS® xl core

ALL-IN-ONE
digital inverted microscope

Comfort *without* Compromise

amgmicro.com



Comfort *without* **Compromise**

- ALL-IN-ONE digital microscope workstation
- Eyepieces are replaced with a 12.1-inch high-resolution display
- High performance phase contrast optics are integrated with a high-resolution digital camera
- Integrated imaging software runs everything via mouse or with fingertip controls
- Images can be saved to a USB flash drive

Throw away the definition of "microscope" and start over...

The **EVOS xl core** makes cell culture microscopy remarkably easy. We've replaced the uncomfortable eyepieces with a high-resolution camera and display, but we didn't stop there... we kept the LCD display up high for easy viewing and placed the stage and controls low so your hands can rest on the table.

- **NEED TO SAVE IMAGES?** *With the **EVOS xl core** microscope, images can be saved with the push of a button to a USB flash drive - no need to wrestle with computers, cables or external software.*
- **NEED TO MOVE IT AROUND?** *The all-in-one design is lightweight and boasts a small footprint. You can throw it in a hood or move it to an open space on the bench. Better yet, there is no alignment, no bulbs to change and the flip of one switch turns everything on.*

EVOS xl core allows you to concentrate on what's important – your work. It's easy, affordable and powerful.

Now, that's comfort without compromise!

Technical specifications

Optics	Infinity-corrected optical system; RMS-threaded objectives with 45 mm parfocal distance
Objectives *(available)*	**Plan Achromat**

Magnification	N.A.	WD
2X	0.06	5.1 mm
4X Ph	0.13	16.9 mm
10X Ph	0.25	6.9 mm
20X Ph	0.40	6.8 mm
40X Ph	0.65	3.1 mm

Objective turret	4-position; manual control
Illumination	LED (50,000+ hour life); adjustable intensity
Contrast methods	Transmitted light (brightfield and phase contrast)
Condenser	3-position turret for brightfield and phase contrast
Condenser WD	60 mm
Stage* **Mechanical stage also available for order separately*	Fixed and mechanical stage (with X-Y axis controls and vessel holder framework) available
LCD display	12.1-inch color, 1024 x 768 pixels; adjustable tilt
Camera	1/2-inch; 2048 x 1536 pixel; 3.1 MP COLOR
Image acquisition	Embedded operating system with software for image capture and save via mouse or front-mounted manual buttons onto USB flash drive
Captured images	24-bit color TIFF, JPG or BMP (2048 x 1536 pixel)
Output ports	2 USB 2.0
Power supply	AC adapter; Input 100–240V, 47–63Hz; 0.58A max; Output 12 VDC/2.0A 24W max
Dimensions	Operating height: 55.3 cm (21.8-in) Storage/transport height: 34.3 cm (13.5-in) Depth: 40.6 cm (16.0-in) Width: 31.8 cm (12.5-in)
Weight	• With fixed stage: 9.1 kg (20.1 lbs) • With mechanical stage: 10.0 kg (22.1 lbs)



EVOS® lineup



EVOS fl

- Fluorescence, brightfield, phase contrast
- Patented LED fluorescence light cube technology
- Supports up to 4 fluorescence channels at a time
- 15-inch high-resolution LCD display
- Monochrome and color camera options
- Fits inside cell culture hoods and biosafety cabinets
- Integrated computer and advanced imaging software/ features



EVOS xl core

- Brightfield and phase contrast
- Designed for repeated-use in routine tissue culture/live cell applications
- LED illumination for transmitted light
- 12-inch high-resolution LCD display
- Fits inside cell culture hoods and biosafety cabinets
- Embedded operating system with basic imaging features for capture and save to USB flash drive
- Affordable, unmatched price-to-performance value



EVOS xl

- Brightfield and phase contrast
- LED illumination for transmitted light
- 15-inch high-resolution LCD display
- Fits inside cell culture hoods and biosafety cabinets
- Integrated computer and advanced imaging software and features
- More optics selection than EVOS xl core
- Optional arm rest (on either side of microscope) for cell isolation procedures

For a complete list of microscopes, objectives, LED light cubes, vessel holders, and stage plates contact your local representative or visit our web site at **www.amgmicro.com**

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