

Technical specifications

EVOS xl (transmitted light microscope)

EVOS fl (fluorescence microscope)

Optics	Infinity-corrected optical system; RMS-threaded objectives with 45 mm parfocal distance					
Objectives* <i>*Table includes common objective sets. Contact your sales representative for a complete list of available objectives.</i>	EVOS xl			EVOS fl		
	2X	0.06	5.1 mm	2X	0.06	5.1 mm
	4X Ph	0.13	16.9 mm	4X Ph	0.13	16.9 mm
	10X Ph	0.25	6.9 mm	10X Ph	0.30	8.3 mm
	20X Ph	0.40	6.8 mm	20X Ph	0.45	7.1 mm
	40X Ph	0.65	3.1 mm	40X Ph	0.65	1.6 mm
Objective turret	5-position; front-mounted manual control					
EVOS fl Light Cubes* <i>*Table includes commonly used light cubes. Contact your sales representative for a complete list of available light cubes.</i>	DAPI:	357 nm excitation	447 nm emission	GFP:	470 nm excitation	525 nm emission
	RFP:	531 nm excitation	593 nm emission	CFP:	442 nm excitation	510 nm emission
	YFP:	500 nm excitation	542 nm emission	Texas Red:	585 nm excitation	624 nm emission
	Cy5:	628 nm excitation	692 nm emission	Cy7:	731 nm excitation	825 nm emission
	QDots:	All available wavelengths				
Illumination	LED (50,000+ hour life); adjustable intensity					
Contrast methods	EVOS xl Transmitted light (brightfield and phase contrast)					
	EVOS fl Fluorescence and transmitted light (brightfield and phase contrast)					
Condenser	4-position turret for brightfield and phase contrast, slider with diffuser block and meniscus filters					
Condenser working distance	53 mm					
Mechanical "Glide" stage	<ul style="list-style-type: none"> > X-Y axis fine-positioning controls; 69 mm (2.7-in) per rotation; 110 mm x 110 mm (4.3-in x 4.3-in) range of motion > Z-axis focusing controls, 480 µm/rotation > Interchangeable vessel holders available for most common shapes and sizes* 					
LCD display	15-inch color, 1024 x 768 pixels; adjustable tilt					
Camera	EVOS xl 2048 x 1536, 3.2 µm/pixel; 3.1 MP COLOR					
	EVOS fl High-sensitivity monochrome, 1360 x 1024, 6.45 µm/pixel; (Sony® ICX285AL CCD) Also available with color camera (Sony® ICX285AQ CCD)					
Image acquisition	Built-in computer; Intel® Atom processor 1.6 GHz; integrated software for image acquisition via mouse					
Captured images	EVOS xl Color TIFF, PNG, JPG or BMP (2048 x 1536 pixels)					
	EVOS fl 16-bit monochrome TIFF or PNG (12-bit dynamic range) 24-bit color TIFF or PNG; JPG, BMP					
Output ports	3 USB and 1 DVI					
Power supply	AC adapter; input 100–240V, 50–60Hz; output 5 VDC/4.15A					
Dimensions	Operating height: 57.8 cm (22.75-in) Storage/transport height: 32.4 cm (12.75-in) Depth: 47.0 cm (18.5-in) Width: 35.5 cm (14.0-in)					
Weight	EVOS xl 14.2 kg (31.4 lbs)					
	EVOS fl 15.3 kg (33.7 lbs)					

"I never would have believed that high-quality fluorescence microscopy could be this easy!"

*For a complete list of phase, fluorite, and phase/fluorite objectives, LED light cubes, vessel holders, and stage plates, please contact your local sales representative or visit www.amgmicro.com.