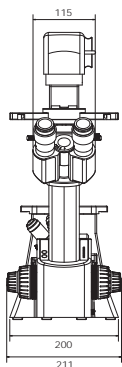
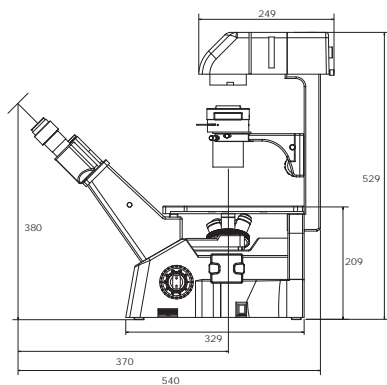


SPECIFICATIONS

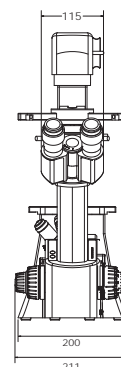
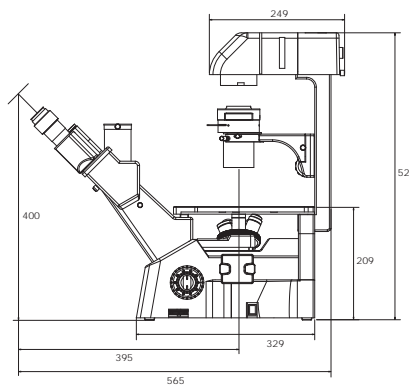
MODEL		AE30 Binocular	AE31 Trinocular
Optical System		Colour Corrected Infinity Optical System [CCIS®]	
Observation Tube		Siedentopf Widefield Binocular 45° [F.N. 22]	Siedentopf Widefield Trinocular 45° [F.N. 22] - light distribution 20/80 Siedentopf Widefield Trinocular 45° [F.N. 22] - light distribution 0/100
Viewing Height		380mm	400mm
Nosepiece		Quintuple, left-handed tilt	
Stage	Fixed stage	Stage size: 200x260mm, Stage Height: 207mm, Auxiliary stages available	
	Mechanical	Universal attachable mechanical stage with well plate holders, Ø35mm, Ø54mm, and Ø65mm petri dish holders, Haemocytometer holder	
Condenser		ELWD N.A. 0.30 (W.D. 72mm) slider stop, focusable; LWD N.A. 0.50 (W.D. 28mm) slider stop, focusable for objectives 4X to 40X	
Slider		Centrable phase slider [PH 1, PH 3, 1 empty position]	
Illumination	Source	6V/30W Quartz Halogen externally mounted and centrable lamp; built-in heat absorbing filters with removable diffuser	
	Aperture	Lever mechanism Ø0.2mm - Ø30mm	
	Filter holder	Built into condenser for Ø45mm Blue, Ground Glass, and Green Interference filters	
Focus		Z-axis movement via nosepiece with 10mm stroke movement; 1µm minimum increment; silicon coated	
Eyepieces		WF PL 10X/22mm focusable; WF PL 10X/22mm with cross hair; WF PL 12.5X/17.5mm focusable; WF PL 15X/14.5mm focusable	
Objectives		CCIS® Plan Achromat Inverted; CCIS® Plan Achromat LWD Inverted; CCIS® Plan Achromat Phase Inverted; CCIS® Plan Achromat Phase LWD Inverted	
Epi-Fluorescence Attachment		3-cassette slider; HBO 100W centrable lamp housing; heat absorbing filter; light shield plate	
Documentation	Photomicrography	2.5X SLR Projection Lens, 2.5X and 4X photo eyepiece	
	Digital/Video	0.5X c-mount camera adapter [1/2" chip sensor]0.65X c-mount camera adapter [2/3" chip sensor]1.0X c-mount camera adapter [no lens]	
Power Consumption		Universal power supply 100-240V, 50/60Hz, 35W	
Weight		11.4Kgs	

SCHEMATIC DIAGRAMS

AE30 Binocular



AE31 Trinocular



UNIT : MM

Motic®

AE30/31

Epi-fluorescence Attachment for AE30 / 31 Inverted Microscopes

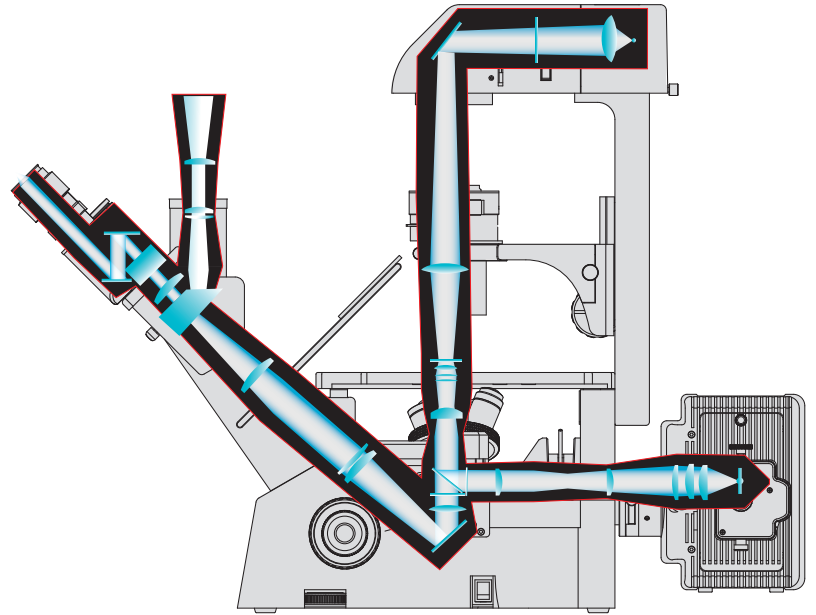
The system is exceptional at handling difficult fluorescence tasks,
rendering images with outstanding clarity and exceptional contrast



AE31+Epi-fluorescence Attachment

Combining the Motic AE30/31 CCIS optics with the unique design of epi-fluorescence attachment, a fluorescence image of excellent brightness and sharpness over an extended field of view of FN22 is achieved.

The Motic Epi-Fluorescence microscope is rapidly becoming an invaluable tool of investigation. Its advantages are upon features not readily available in other optical microscopes.



Fluorescence equipment



Fluorescence filter modules

FITC FITC/RSGFP/Fluo 3/
DiO Acradine Orange(+RNA)

AZ1000073

DAPI and Hoechst

AZ1000072

Cy5, Alexa Fluor 633,
Alexa Fluor 647

AZ1000076

Cyan GFP

AZ1000077



TRITC (Rhodamine)/
DiI/Cy3

AZ1000074

Texas Red® / Cy3.5

AZ1000075

Yellow GFP BP
(10C/Topaz)

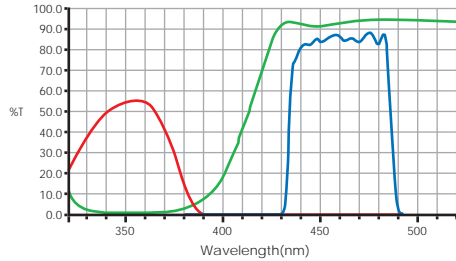
AZ1000079

Endow GFP
Bandpass Emission

AZ1000078

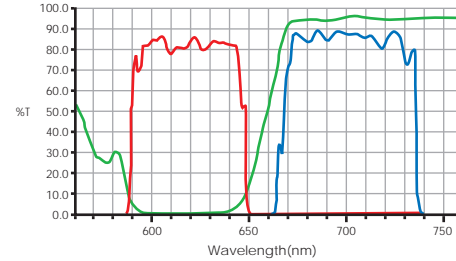
Fluorescence filter specifications

DAPI and Hoechst



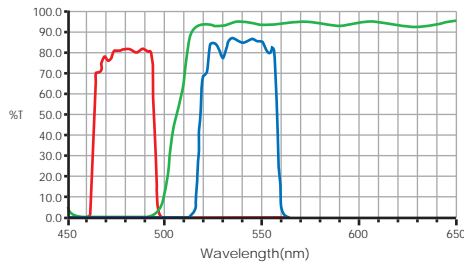
Filter	Wavelength (nm)
Exciter	D350/50x
Dichroic	400DCLP
Barrier	D460/50m

Cy5, Alexa Fluor 633, Alexa Fluor 647



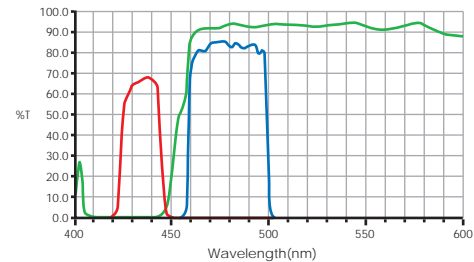
Filter	Wavelength (nm)
Exciter	HQ620/60x
Dichroic	Q660LP
Barrier	HQ700/75m

FITC FITC/RSGFP/Fluo 3/DiO Acradine Orange(+RNA)



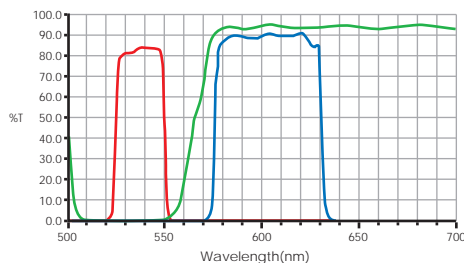
Filter	Wavelength (nm)
Exciter	D480/30x
Dichroic	505DCLP
Barrier	D535/40m

Cyan GFP



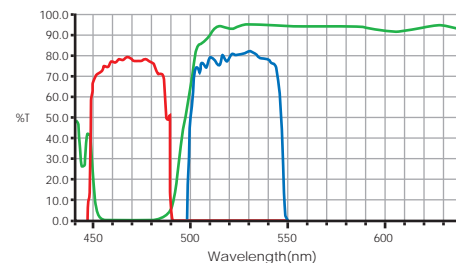
Filter	Wavelength (nm)
Exciter	D436/20x
Dichroic	455DCLP
Barrier	D480/40m

TRITC (Rhodamine)/DiI/Cy3



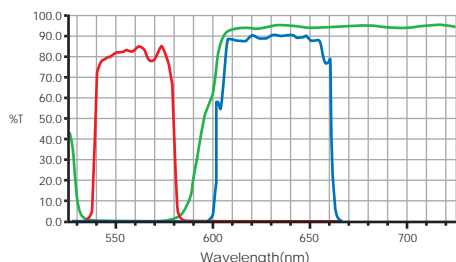
Filter	Wavelength (nm)
Exciter	D540/25x
Dichroic	565DCLP
Barrier	D605/55m

Endow GFP Bandpass Emission



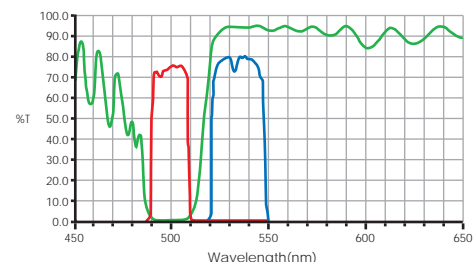
Filter	Wavelength (nm)
Exciter	HQ470/40x
Dichroic	Q495LP
Barrier	HQ525/50m

Texas Red® / Cy3.5



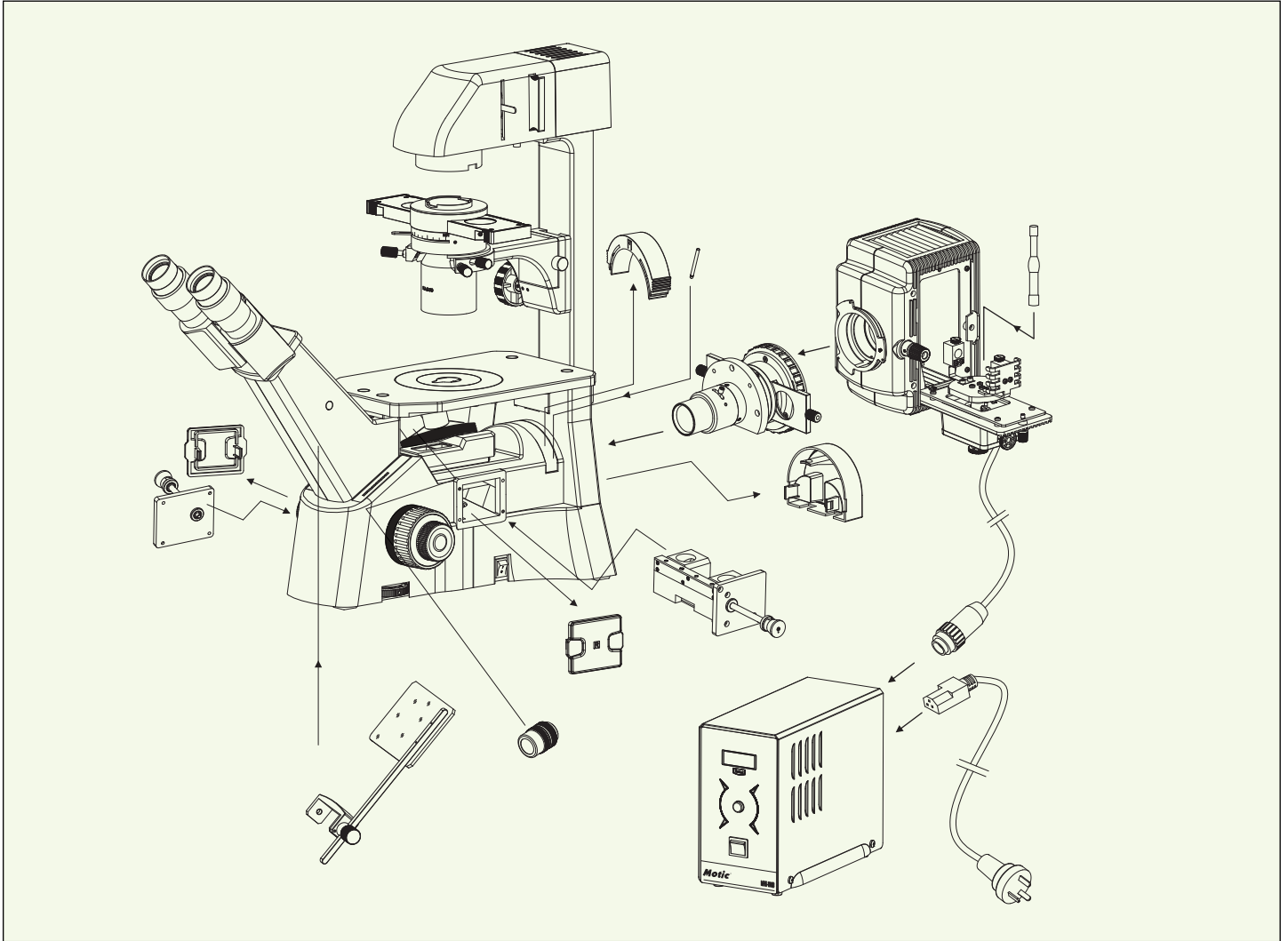
Filter	Wavelength (nm)
Exciter	D560/40x
Dichroic	595DCLP
Barrier	D630/60m

Yellow GFP BP (10C/Topaz)



Filter	Wavelength (nm)
Exciter	HQ500/20x
Dichroic	Q515LP
Barrier	HQ535/30m

Motic Epi-Fluorescence AE30/31 Assembly



Motic®

www.motic.com

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Design Change: The manufacturer reserves the right to make changes in instrument design in accordance with scientific and mechanical progress, without notice and without obligation.

CE



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