

1200 SERIES

Fluorescence Microscopes



Features

- Precision Optics
- Fluorescence, Phase Contrast, & Brightfield
- 100W HBO Mercury Reflected Illumination
- 20W Variable Halogen Transmitted Illumination
- Integrated Koehler Illumination
- 5-Year Warranty



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1200-Series Fluorescence Microscopes

VanGuard 1200-Series fluorescence microscopes achieve high UV transmission levels for quality imaging. Choose from models including brightfield and phase contrast.

Various camera packages are available as options; including digital, video, and 35mm systems.

All models feature DIN optics, 10X WideField eyepieces, 100W HBO mercury & 20W variable quartz halogen illumination, blue & green broadband fluorescence filters, 1.25 N.A. Abbe condensers, mechanical stages, and are backed by a 5-Year warranty.

Make your lab work better...make it VanGuard.

Technical Specifications

		1282ECM	1286ECM
Optical System		Fixed 160mm	
	Type	Trinocular	
	Tube Inclination	30°	
Viewing Head	Rotatable	360°	
	Interpupillary	55-75mm	
	Dioptric	-5 to +5	
Camera Port		20/80 Split	
	Magnification	10X	
	Type	WideField	
Eyepieces	Field Diameter	18mm	
	High-Eyepoint	No	
	Rubber Eyecups	No	
Nosepiece	Positions	4	
	Pitch	Reverse	
	Illumination Technique(s)	Fluorescence / Brightfield	Fluorescence / Phase / Brightfield
Objectives	Type	Plan Achromatic	
	Magnification (N.A.)	4X (0.10), 10X (0.25), 20X (0.40)*, 40X (0.60), 100X (1.25)	
	DIN Standard	Yes	
Fluorescence Filter		Peak: 445nm / Excitation: 420-485nm / Emission: 520+nm	
Blue Broadband		Intended Dyes: FITC, Acridine Orange, & Propidium Iodide	
Fluorescence Filter		Peak: 546nm / Excitation: 535-550nm / Emission: 580+nm	
Green Broadband		Intended Dyes: Ethidium Bromide & TRITC	
	Type	Mechanical	
	Shape	Rectangular	
	Dimensions	160 x 140mm	
Stage	X-Y Control	Drop-Down, Right-Hand, Rack & Pinion	
	Cross Travel Range	75 x 50mm	
	Slide Holder	Removable Spring Clip	
	Finish	Chemical Resistant	
	Type	Coaxial	
	Controls	Coarse/ Fine	
Focusing	Tension Adjustment	Yes	
	Safety Auto-Stop	Yes	
	Focusing Range	40mm	
	Precision	0.002mm	
	Type	1.25 N.A. w/ Iris Diaphragm	
Condenser	Focusing Control	Rack & Pinion	
	Zernike Phase Annuli	N/A	10X, 20X, 40X, & 100X
	Type	20W Variable Quartz Halogen	
Transmitted Illumination	Koehler	Yes	
	Filter Holder	Swing-In	
Reflected Illumination		100W HBO Mercury	
Base		250 x 200mm; Anti-Skid Rubber Feet	
Body		Cast Metal w/ Stain-Resistant Enamel Finish	
Dimensions		250 (L) x 200 (W) x 435 (H) mm	
Weight		8.8kg	
Voltage		110V (220V Available On Request)	
Warranty		5-Year Optical/Mechanical; 1-Year Electrical	
Supplied With		Clear Diffusing Filter, Blue Filter, Green Filter*, Telescoping Eyepiece*, Spare Lamps & Fuses, Dust Cover, & Operation Manual	

