

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



1.888.610.7664

 www.calcert.com

sales@calcert.com



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	
Interpupillary	360°	
Dioptric	55-75mm	
Camera Port	-5 to +5	
Magnification	20/80 Split	
Type	10X	
Field Diameter	WideField	
High-Eyepoint	18mm	
Rubber Eyecups	No	
Positions	No	
Pitch	4	
Illumination Technique(s)	Fluorescence / Brightfield	Fluorescence / Phase / Brightfield
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	
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	
Tension Adjustment	Yes	
Safety Auto-Stop	Yes	
Focusing Range	40mm	
Precision	0.002mm	
Type	1.25 N.A. w/ Iris Diaphragm	
Focusing Control	Rack & Pinion	
Zernike Phase Annuli	N/A	10X, 20X, 40X, & 100X
Type	20W Variable Quartz Halogen	
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	

