

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

VAN GUARD[®]
INFINITE • SOLUTIONS



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	Type	Fixed 160mm	
	Tube Inclination	Trinocular 30°	
Viewing Head	Rotatable	360°	
	Interpupillary	55-75mm	
	Dioptric	-5 to +5	
Camera Port	Magnification	20/80 Split	
	Type	10X WideField	
Eyepieces	Field Diameter	18mm	
	High-Eyepoint	No	
	Rubber Eyecups	No	
	Positions	4	
Nosepiece	Pitch	Reverse	
	Illumination Technique(s)	Fluorescence / Brightfield	Fluorescence/Phase/ Brightfield
Objectives	Type	PlanAchromatic	
	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	
Stage	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	
Focusing	Type	Coaxial	
	Controls	Coarse / Fine	
	Tension Adjustment	Yes	
	Safety Auto-Stop	Yes	
	Focusing Range	40mm	
	Precision	0.002mm	
Condenser	Type	1.25 N.A. w/ Iris Diaphragm	
	Focusing Control	Rack & Pinion	
	Zemike Phase Annulli	N/A	10X, 20X, 40X, & 100X
Transmitted Illumination	Type	20W Variable Quartz Halogen	
	Koehler Filter Holder	Yes	
Reflected Illumination		Yes	
		Swing-In	
Base		100W HBO Mercury	
Body		250x200mm; Anti-Skid Rubber Feet	
Dimensions		Cast Metal w/ Stain-Resistant Enamel Finish	
Weight		250 (L) x 200 (W) x 435 (H) mm	
Voltage		8.8kg	
Warranty		110V (220V Available On Request)	
Supplied With		5-Year Optical/Mechanical; 1-Year Electrical	
		Clear Diffusing Filter, Blue Filter, Green Filter*, Telescoping Eyepiece*, Spare Lamps & Fuses, Dust Cover, & Operation Manual	

*Model 1286ECM Only



VEE GEE Scientific, Inc.

13600 NE 126th Place, Suite A • Kirkland, WA 98034
(800) 423-8842 • (425) 823-4518 • Fax: (425) 820-9826
www.veege.com • e-mail: sales@veege.com

WARNING: This product can expose you to chemicals including lead, which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to: www.P65Warnings.ca.gov