

Fluorescence Microscope

Fluorescence Observation Brilliant and Affordable

Incorporating system versatility with outstanding Infinity corrected optics, the BK Series (replaces the JC Series) offers an affordable Fluorescence module to meet this specialized need.

FEATURES

- **Filters** - two cubes with single band excitors easily slide into place and combine with the HBO illuminator to deliver intense, high contrast images
- **Optics** - Infinity-corrected plan achromat lenses guaranty brilliant, color corrected, high contrast images
- **Robust** - all metal frame and focus mechanism endure high use while providing a stable platform minimizing vibration
- **Mechanical Stage** – Unique Locking Stage remains at focus even when pressed, saves time in changing specimens
- **Versatile performance** - multiple techniques available, including brightfield, polarization, phase contrast with slot built into condenser for slider and dark field

OBJECTIVE SPECIFICATIONS AND MODELS

Objective Magnification	Numerical Aperture (mm)	Field of View w/10X E.P. (mm)	Working Distance Brightfield / ∞ Planachro (mm)
4X	0.13	5.5	12.3
10X	0.3	2.2	5.03
40X	0.7	0.55	0.72
100XR	1.25	0.22	0.17

FILTER SPECIFICATIONS

Filter Cube	Excitation Peak Wavelength (nm)	Emmision Peak Wavelength (nm)	Dichroic Peak Wavelength (nm)
Blue	460-490	520	500
Green	510-550	590	570
UV (optional)	330-385	420	400
V (optional)	400-410	455	455

ORDERING INFORMATION

Cat. No.	Description	Qty.
BK-2EF	Binocular Fluorescence Microscope, rep. JC-2EF	each
BK-3EF	Trinocular Fluorescence Microscope, rep. JC-3EF	each
JC-UV	UV Model Microscope	each
JC-V	V Model Microscope	each



KEY SPECIFICATIONS

Optical body - Seidentopf design inclined 30°; 48 to 75mm interpupillary adjustment, 360° rotation

Eye pieces - 10X wide field; High Eyepoint, Field Number 22 mm.

Turret - 5 position ball bearing, reversed for unrestricted access, with click stops

Mechanical stage - 6.25"(156mm) X 5.4"(138mm) with vernier scale; Range of motion 76x54mm; right hand coaxial

Focusing - 0.001mm markings, adjustable tension control & focus stop prohibits drift, protects specimen and objectives

Condenser - 1.25 N.A. 2 element Abbe with iris diaphragm, slot for phase slider, color coding corresponds to objectives

Kohler Illumination - field diaphragm, 20W, 6V Halogen with dimmer

HBO Illumination - Mercury vapor high pressure arc-discharge lamp, increases depth dimension by 4 in., 10cm.

Dimensions - (WHD) (in/cm) 7.7 x 16.5 x 11.0 / 19.5 x 41.8 x 28.0
Gross Weight (lb/kg) 25/11.4

Microscope Includes - dust cover, two color filters, spare halogen lamp and fuse