

Leica DM4000B

Location

Campus Biotech - B303 Room 191.116

Microscope

Leica DM4000B upright

Objectives

Magnification	NA	Immersion	WD (mm)
10X	0.30	dry	11
20X	0.50	dry	1.15
40X	0.75	dry	SN 506144
100X	1.40 - 0.70	Oil corr	SN 506038

Filter cubes

Fluorophore	Filter Cube	Excitation	Mirror	Emission
Dapi	A4	BP 360/40	400	BP 470/40
GFP	I3	BP 450-490	510	LP 515
Cy3	N3	BP 546/12	565	BP 600/40
Alexa-647	Y5	BP 620/60	660	BP 700/75

Illumination

HXP Mercury short-arc lamps

Detection

Camera	DFC 350 FX
Type	Monochrome CCD
Dynamical range	12 bit
Pixel size	6.45 μ m
Full frame size	1392 x 1040
Frame rate	15 fps full frame

Stage

Not motorized

Software

Las-X

Application

Fluorescence/BF microscopy