

Widefield imaging system 2 (August 2020)

- Leica LAS-X acquisition software.
- Leica DFC365X monochrome camera
- Attached to a Leica DM IRBE inverted epifluorescence microscope with phase-contrast.

Filter carousel

Position	Fluorophore	Excitation filter	Dichroic mirror	Emission filter
1	DAPI	BP 340 - 380	RKP 400	LP 425
2	Rhodamine	BP 515-560	RKP 580	LP 590
3	GFP	BP 450 – 490	RKP 510	LP 515
4				

Lenses

Lens	Dry/ Oil	Phase contrast	DIC	Working distance (mm)	Numerical aperture	Features	Pixel width at 1x binning in microns
10x HC PL Fluotar	Dry	Yes	No	11	0.3		0.65
20x N PLAN L CORR	Dry	Yes	No	1.9 – 3.2	0.4	Coverglass thickness correction	0.32
40x PL Fluotar L CORR	DRY	Yes	No	1.9 – 3.2	0.6	Coverglass thickness correction	0.16