

# Nikon Widefield Specifications

## General Information

**Microscope type:** Widefield

**Purpose:** Rapid and long-term 2D imaging

**FPbase link:** <https://www.fpbases.org/microscope/hkGFJUe7zVWYEuD4ev85ie/>

## Equipment information

**Location:** JSCBB C305D

**Equipment tags:**

- HHMI 301492
- HHMI 311898

## Sample types

- Fixed cells
- Live cells

## Equipment information

Software	NIS Elements v5.20.02
HASP	26FCA24
Base	Nikon TiE
XY Stage	Motorized
Z	Ti Z drive

Autofocus	PFS 3
Environment Control	Oko Labs enclosure: CO2, Humidity, Temperature
Light Source	Excelitas Xylis LED

# Filters

Excitation				Emission					
Center	Width	Min	Max	Center	Width	Min	Max	Fluorophores	Vendor
350	50	325	375	460	50	435	485	DAPI, BFP	Chroma
470	40	450	490	525	50	500	550	GFP, FITC, Alexa Fluor 488	Chroma
560	40	540	580	630	75	592.5	667.5	TRITC, Texas Red, dsRed	Dichroic T585lpxr
620	60	590	650	700	75	662.5	737.5	Cy5, Alexa Fluor 647, Draq5	Chroma

# Objectives

Magnification	NA	Immersion medium
4	0.2	Air
10	0.45	Air
20	0.75	Air
40	0.95	Air
100	1.4	Oil

# Detectors

sCMOS
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Hamamatsu Flash 4.0 v3
S/N: 170216-SYS-006488

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