

## Nikon E600 System Specifications

### Microscope

Nikon E600, upright manual microscope equipped with the following objectives and epifluorescence filters:

Objectives	Oil	Num. Ap. (NA)	Phase contrast	Specifications
4x	NO	0.13	-----	PLAN FLUOR 0.13 PhL DL $\infty$ /1.2 WD 16.4
10x	NO	0.30	Ph1	PLAN FLUOR 0.30 Ph1 DLL $\infty$ /0.17 WD 16.0
20x	NO	0.50	Ph1	PLAN FLUOR 0.50 Ph1 DLL $\infty$ /0.17 WD 2.1
40x	NO	0.75	Ph2	PLAN FLUOR 0.75 Ph2 DLL $\infty$ /0.17 WD 0.72
60x	YES	1.40	Ph3	PLAN APO 1.40 OIL Ph3 DM $\infty$ /0.17 WD 0.21
100x	YES	1.30	Ph3	PLAN FLUOR 1.30 OIL Ph3 DLL $\infty$ /0.17 WD 0.20

Filter set	Position	Excitation filter	Dichroic	Emission filter	Example Fluorophores
FITC/StrictGFP	1	BP450-510	505	BP535-540	Alexa 488, FITC, GFP
B-2A	2	BP450-490	500	LP515	Alexa 488, FITC, GFP
G-2A	3	BP510-560	565	LP590	Alexa 555, Alexa 568, Cy3
A	4	BP330-380	400	LP420	DAPI, Hoechst 33258, Hoechst 33342

### Camera

Olympus DP72 color digital camera.

Pixel Size: 6,45 $\mu$ m x 6,45 $\mu$ m

12-bit digitizer.

Snapshot Resolution: 4140 x 3096.

Live Resolution: 1360 x 1024

### Acquisition Software

Cell ^ F.