

Fluorescence Filter Sets Available at the Microscopy Imaging Facility

Standard filter sets with Ex, Em and Dichroic mirror **(fixed)**

DAPI

FITC/GFP

Rhodamine

Cy5

External filter sets **(variable*)**

DAPI

Ex 350/50

Em 460/50

FITC/GFP

Ex 490/20

Em 528/38

Coumarin

Ex 405/10

Em 457/50

Cy3/TRITC

Ex 555/28

Em 617/73

Texas Red/mCherry

Ex 555/28

Em 685/40

Cy5/Alexa 647

Ex 635/20

Em 700/75

CFP/FRET

Ex 436/20

Em 480/40

YFP/FRET

Ex 500/20

Em 535/30

* Excitation and emission filters could be modified to suit any fluorophore in the entire visible spectrum. Also note that the external filter sets could not be used under apotome mode and only the PVMC (Cascade 512b) located at the baseport of the scope should be used for image acquisition.