

Single Channel sets

Fluorochrome	Calibri (excitation)				Cube (dichroic & emission)			
	LED Module	LED Position	Filter		Cube name	Cube position	Dichroic	emission
DAPI, Hoechst, Alx 350, 405, Celltracker Blue	LED 365 nm	1	377/50 (Semrock)		DAPI	4	409	477/60
Fura-Red Ca ²⁺ bound	LED 400 nm	1	410/35 (Semrock)		Zeiss 73HE	6	605	650/60
CFP (multi cube)	LED 445 nm	1	445/25 (Zeiss)		Zeiss 60HE	1	TBP 460 + 520 + 605	480/20
CFP (only)	LED 445 nm	1	445/25 (Zeiss)		CFP	5	458	483/32
FRET (YFP)	LED 445 nm	1	445/25 (Zeiss)		YFP FRET	6	458	542/27
GFP, FITC, Alx 488, DiO	LED 470 nm	2	472/30 (Semrock)		GFP	5	495	520/35
YFP (multi cube)	LED 505 nm	2	510/15 (Zeiss)		Zeiss 60HE	1	TBP 460 + 520 + 605	546/20
Rhodamine, CY3, ALX 546, 555, RHODAMINE (PHALLOIDIN), Dil	LED 540 - 580 nm ('white light')	3‡	534/20 (Semrock) **		SPGOLD-B	6	552	572/28
mCherry, Texasred, Alx 568, 594, 610	LED 590 nm	3 or 4‡	586/20 (Semrock)		SpRed-B	1	605	628/32
CY5 (multi cube)	LED 625 nm	4‡	631/22 (Zeiss)		Zeiss 77HE	2	TBP 526 + 601 + 688	688/20
Qtracker 655	LED 365-470 nm				Fura Red	2	605	650/60

Fast Triple Band sets - LED switching only

CFP + YFP + mCherry/Texas Red	LED 445 (CFP)	1	445/25 (Zeiss)		Zeiss 60HE	1	TBP 460 + 520 + 605	480/20
	LED 505 (YFP)	2	510/15 (Zeiss)					546/20
	LED 590 (mCherry)	3 or 4‡	586/20 (Semrock)					LP 615
GFP + EosFP / mCherry + Dil / Alx633	LED 470 nm (GFP)	2	472/30 (Semrock)		Zeiss 77HE	2	TBP 526 + 601 + 688	526/20
	LED 540 - 580 nm (EosFP/mCherry)	3‡	560/25 (Semrock) **					601/20

	LED 625 nm (Dil/Alx633)	4‡	631/22 (Zeiss)					688/20
Fura-Red Ca ²⁺ bound, Fura-Red Ca ²⁺ free, mCherry/Texas Red	LED 400 nm (Fura-Red Ca ²⁺ bound)	1	410/35 (Semrock)		Zeiss 73HE	6	605	650/60
	LED 470 nm (Fura-Red Ca ²⁺ free)	2	472/30 (Semrock)					
	LED 590 nm (mcherry/Texas Red)	3 or 4‡	586/20 (Semrock)					

** - Check for the correct excitation filter on LED , ‡ - check for correct beam combiner