

HWF1 Filter Setup

Dyes	Excitation (LED)	Cube	Excitation (cube)	Dichroic	Emission
DAPI, Hoechst, AF350, AF405	LED 365 nm	DAPI	377/50	409	477/70
GFP, AF488, FITC, DiO, Calcein, Fluo-4	LED 470 nm	GFP	472/30	495	520/35
AF546, AF555, TRITC, DS-Red, CY3	LED 555 (540-580 nm)	SP Gold	534/20	552	572/28
AF568, AF594, mCherry, Texas Red,	LED 555 (540-580 nm)	SP Red	560/25	605	628/32
Cy5, AF633, AF647	LED 625 nm (631/22)	Cy5	635/18	652	680/42
Fura Red cube	LED 435 /470 New LED system	Fura Red	No Excitation Filter-	605	650/60
Far Red >715	LED 680 New LED system	Far Red	660/52	700	LP715

Dyes	Excitation (LED)	Cube	Excitation (cube)			Dichroic	Emission
Cy5, AF633, AF647	LED 625 nm 631/22	77HE*	483/20		642/20	506, 582, 659	526/30, 601/20, 688/30
AF568, AF594, mCherry, Texas Red,	LED 555 (540-580 nm)	77HE*	483/20		642/20	506, 582, 659	526/30, 601/20, 688/30
GFP/Di-8-ANEPPS	LED 470 nm	77HE*	483/20	564/20	642/20	506, 582, 659	526/30, 601/20, 688/30
Di-8-ANEPPS	LED 470 nm	Fura Red	-			605	650/60

*Multi-cube – beware of bleed through from potential other channels

CHANNEL 1			CHANNEL 2			CHANNEL 3			CHANNEL 4		
λ	Power	FWHM	λ	Power	FWHM	λ	Power	FWHM	λ	Power	FWHM
365 nm	30 mW	10 nm	460 nm	241 mW	20 nm	525 nm	35 mW	31 nm	635 nm	136 mW	16 nm
385 nm	101mW	10 nm	470 nm	167mW	20 nm	550 nm	245 mW	85 nm	660 nm	193 mW	19 nm
405 nm	188 mW	18 nm	490 nm	87 mW	31 nm	580 nm	236 mW	85 nm	740 nm	76 mW	39 nm
435 nm	170 mW	17 nm	500 nm	58 mW	29 nm	595 nm	37 mW	15 nm	770 nm	18 mW	53

