

ImageStreamX Fluorochrome Chart



		Excitation Laser (nm)									
Ch	Band (nm)	405	488	561	658	785	Target	Fluor	Ch		
Camera 1	1	430-480	BRIGHTFIELD							1	
	2	480-560	FITC, AF488, GFP , YFP, DyLight488, PKH67, Syto13, SpectrumGreen, LysoTrackerGreen, MitoTrackerGreen, QD525*							2	
	3	560-595	PE , PKH26, Cy3, AF555, DSRRed		PE, Cy3, AF546, AF555 , DyLight549, DyLight594*, PKH26, DSRRed, SpectrumOrange, MitoTrackerOrange					3	
	4	595-660	PE-TexRed* , ECD* , PE-AF610*, 7AAD*, PI*, RFP, QD625*, eFluor625*		AF568* , AF594*, AF610*, DyLight594*, PE-TexRed*, ECD*, TexRed*, PE-AF610*, RFP, mCherry*, 7AAD*, PI*					4	
	5	660-745	PE-Cy5* , PE-AF647* , PerCP*, PerCP-Cy5.5*, DRAQ5*, QD705*, eFluor650*		PE-Cy5* , PE-AF647* , DRAQ5*					5	
	6	745-800	PE-Cy7* , PE-AF750* , QD800		PE-Cy7* , PE-AF750*			SSC		6	
Camera 2	7	430-505	DAPI, Hoechst , PacBlue, CascadeBlue, AF405, eFluor405, DyLight405, CFP, LIVE/DEAD Violet							7	
	8	505-570	PacOrange, CascadeYellow, AF430, QD525*							8	
	9	570-595	BRIGHTFIELD							9	
	10	595-660	QD625*, eFluor625*							10	
	11	660-745	QD705*, eFluor650*					AF647, AF660, AF680, DRAQ5* , APC, Cy5, DyLight649, DyLight680, PE-AF647*, PE-Cy5*, PerCP*, PerCP-Cy5.5*			11
	12	745-800	QD800*					APC-Cy7, APC-AF750 , APC-eFluor750, Cy7, AF750, DyLight750, eFluor750, PE-Cy7*, PE-AF750*			12

Dyes with an * are excited by at least one laser directed to camera1 and another directed to camera2. The channel that the dye will appear brightest in depends on the relative laser powers used. Recommended dyes (based on optimal excitation and detection channels) are in boldface. QD565 and QD585 are not included because their primary fluorescence appears in the Ch9 Brightfield reference image.

