

		Excitation Laser (nm)							
Ch	Band (nm)	405	488	561	642	785	Used	Ch	
1	435-606 (457/45)	BRIGHTFIELD							1
2	606-680 (532/55)		FITC, AF488, GFP, YFP, DyLight488, PKH67, Syto13, SpectrumGreen, LysoTrackerGreen, MitoTrackerGreen					2	
3	680-696 (577/35)		PE, PKH26, Cy3, DGRed, CellMask/CellTracker/ SYTOX Orange	PE, AF648, Cy3*, DyLight550, PKH26, DGRed, SpectrumOrange, MitoTrackerOrange				3	
4	696-842 (610/30)		PE-TxRed*, ECD*, PE-AF610*, TAAO*, PI*, RFP, eFluor625*	AF688*, AF594*, AF610*, Cy3*, DyLight594*, PE-TxRed*, ECD*, TexRed*, PE-AF610*, RFP, mCherry*, TAAO*, PI*				4	
5	842-748 (702/86)		PE-Cy6*, PE-AF647*, PerCP*, PerCP-Cy5.5*, eFluor650*, FireRed®	PE-Cy6*, PE-AF647*				5	
6	746-800 (772/55)		PE-Cy7*, PE-AF750*, Draq5*	PE-Cy7*, PE-AF750*, Draq5*		SSC		6	
7	435-606 (457/45)	DAPI, Hoechst, PacBlue, CascadeBlue, AF405, eFluor405, DyLight405, GFP, LIVE/DEAD Violet						7	
8	606-680 (532/55)	PacOrange, CascadeYellow, AF430, BDHorizonV550						8	
9	680-696 (577/35)	BRIGHTFIELD							9
10	696-842 (610/30)	QD625*, eFluor625*						10	
11	842-748 (702/86)	QD705*, eFluor650*			AF647, AF688, AF690, DRAQ5*, APC-Cy5, DyLight648, DyLight680, PE-AF647*, PE-Cy5*, PerCP*, PerCP-Cy5.5*			11	
12	746-800 (772/55)	QD800*			APC-Cy7, APC-AF750, APC-H7, APC-Cy7, Cy7, AF750, DyLight750, PE-Cy7*, PE-AF750*			12	

Recommended dyes (based on optimal excitation and detection channels) are in boldface.

1 laser (488) system: Ideal dyes are AF488, PE, PE-TxRed, PE-Cy5, SSC-Ch6.

2 laser (488,642) system: Ideal dyes are AF488, PE, PE-TxRed, SSC-Ch6, and AF647, APC Cy7

3 laser (405,488,642) system: Ideal dyes are AF488, PE, PE-TxRed, SSC-Ch6, and DAPI, AF647,

APC Cy7

Band-pass filter values assume 3laser configuration.