

FlowSight Fluorochrome Charts

		Excitation Laser (nm)							
Ch	Band (nm)	405	488	561	642	785	Used	Ch	
1	435-505 (457/45)	BRIGHTFIELD							1
2	505-560 (532/55)		FITC, AF488, GFP, YFP, DyLight488, PKH67, Syto13, SpectrumGreen, LysoTrackerGreen, MitoTrackerGreen					2	
3	560-595 (577/35)		PE, PKH26, Cy3, DSRRed, CellMask/CellTracker/SYTOX Orange	PE, AF546, Cy3*, DyLight550, PKH26, DSRRed, SpectrumOrange, MitoTrackerOrange				3	
4	595-642 (610/30)		PE-TexRed*, ECD*, PE-AF610*, 7AAD*, PI*, RFP, eFluor625*	AF568*, AF594*, AF610*, Cy3*, DyLight594*, PE-TexRed*, ECD*, TexRed*, PE-AF610*, RFP, mCherry*, 7AAD*, PI*				4	
5	642-745 (702/86)		PE-Cy5*, PE-AF647*, PerCP*, PerCP-Cy5.5*, eFluor650* FuraRedio	PE-Cy5*, PE-AF647*				5	
6	745-800 (772/55)		PE-Cy7*, PE-AF750*, Draq5*	PE-Cy7*, PE-AF750*, Draq5*		SSC		6	
7	435-505 (457/45)	DAPI, Hoechst, PacBlue, CascadeBlue, AF405, eFluor405, DyLight405, CFP, LIVE/DEAD Violet						7	
8	505-560 (532/55)	PacOrange, CascadeYellow, AF430, BDHorizonV550						8	
9	560-595 (577/35)	BRIGHTFIELD							9
10	595-642 (610/30)	QD625*, eFluor625*						10	
11	642-745 (702/86)	QD705*, eFluor650*			AF647, AF660, AF680, DRAQ5*, APC, Cy5, DyLight649, DyLight660, PE-AF647*, PE-Cy5*, PerCP*, PerCP-Cy5.5*			11	
12	745-800 (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. Ideal dyes with 1, 2 or 3 laser systems:

- 1 laser (488): **AF488, PE, PE-TxRed, PE-Cy5, PE Cy7, SSC-Ch6.**
 - 2 laser (488, 642): **AF488, PE, PE-TxRed, SSC-Ch6, AF647, APC-Cy7**
 - 3 laser (488, 405, 642) **AF488, PE, PE-TxRed, SSC-Ch6, DAPI, AF647**
- Band-pass filter values assume 3 laser configuration.