

BCM Amnis ImageStreamX Fluorochrome Chart

Ch	Band (nm)	Excitation Laser (nm)				Used	Ch	
		405	488	561	642			785
1	435-480 (457/45)	BRIGHTFIELD					1	
2	480-560 (528/65)		AF488, FITC, GFP, YFP, DyLight488, SpectrumGreen, LysoTrackerGreen, MitoTrackerGreen				2	
3	560-595 (577/35)		PE, PKH26, Cy3, DSRRed, CellMask/CellTracker/SYTOX Orange	PE, AF546, DyLight550, PKH26, DSRRed, Cy3, SpectrumOrange			3	
4	595-642 (610/30)		Ch4/Ch10 BF or PE-TxRed*, ECD*, RFP, PE-AF610*, QD625*, eFluor625*	Ch4/Ch10 BF or AF568*, DyLight594, PE-TxRed*, ECD*, RFP, PE-AF610*, mCherry*			4	
5	642-745 (702/85)		PE-Cy5*, PE-AF647*, 7AAD, PI, PerCP*, PerCP-Cy5.5*, eFluor650*, FuraRedlo, Draq5*, LDS751*	PE-Cy5*, PE-AF647*, 7AAD, Draq5*, LDS751*			5	
6	745-780 (762/35)		PE-Cy7*, PE-AF750*	PE-Cy7*, PE-AF750*		SSC	6	
7	435-480 (457/45)	DAPI*, BV421, AF405, Hoescht, PacBlue, CascadeBlue, eFluor450, DyLight405, CFP, LIVE/DEAD Violet					7	
8	480-560 (537/65)	BV510*, PacOrange, CascadeYellow, AF430, eFluor525, QD525					8	
9	560-595 (582/25)	Ch1/Ch9 BF or QD565, QD585, eFluor565	BRIGHTFIELD					9
10	595-642 (610/30)	Ch4/Ch10 BF or QD625*, eFluor625, BV605					10	
11	642-745 (702/85)	QD705*, eFluor700, BV711			AF647, AF660, AF680, APC, Cy5, DyLight649, DyLight680, Draq5*, PE-AF647*, PE-Cy5*, PerCP*, PerCP-Cy5.5*		11	
12	745-780 (762/35)	QD800*, BV786			APC-Cy7, APC-AF750, APC-H7, APC-eFluor750, Cy7, AF750, DyLight750, PE-Cy7*, PE-AF750*	SSC	12	

*Many dyes will excite with more than one laser, and this can increase cross-camera compensation.

Ideal dyes are in bold:

AF488, PE, PE-TexasRed, (SSC-Ch6), DAPI, AF647, APC-Cy7