

# Cytek Image StreamX MkII

	Channel	Bandpass filter and range (nm)	Excitation laser (nm)		
			488	561	785
Camera 1	1	457/45 (435-480)		Brightfield	
	2	528/65 (480-560)	FITC, AF488, GFP, BB515, YFP, LysoTracker Green, MitoTracker Green		
	3	577/35 (560-595)	LysoTracker Yellow HCK-123	PE, RY586, DSRed, Cy3, LysoTracker Red	
	4	610/30 (595-642)		AF594, mCherry, PE-TxRed, ECD, PE-AF610, MitoTracker Red	
	5	702/85 (642-745)	PerCP-Cy5.5	PE-Cy5, 7AAD, PI	
	6	765/40 (745-785)		PE-Cy7,	SSC
Camera 2	7	457/45 (435-505)	BV421, AF405, PacBlue, eFluor450, LIVE/DEAD Violet, FxCycle Violet		
	8	537/65 (505-570)	BV510, PacOrange, AF430		
	9	582/25 (570-595)		Brightfield	
	10	610/30 (595-642)	BV605		
	11	702/85 (642-745)	BV711	AF647, APC, Cy5, MitoTracker Deep Red, LysoTracker Deep Red, DRAQ5	
	12	765/40 (745-785)	BV786	APC-Cy7, APC-AF750, APC-H7, APC-eFluor780	SSC

**Ch1** and **Ch9** are used for **brightfield**.

**Ch6** or **Ch12** is used for **SSC**, the other can be used for a fluorescence parameter.

If using a nuclear stain in **Ch7**, do not use **Ch8** (due to spillover into Ch8)

Note that spillover can occur between channels and cameras, requiring compensation.

AF =Alexa Fluor, BV = Brilliant Violet, BB = Brilliant Blue, RY = Real Yellow