

ImageStream^x Mark II, 3 Laser, 6 Channel

Channel	Band (Filter)	Violet Laser (405nm)	Blue Laser (488nm)	Red Laser (642nm)	785nm SSC Laser
1	435-505 (457/45)	DAPI, Hoechst, PacBlue, BV421, CFP, LIVE/DEAD Violet			
2	505-560 (533/55)	BV510, PacOrange	FITC, AF488, GFP, YFP, MitoTracker Green, LysoTracker Green, PKH67, Syto13		
3	560-595 (577/35)	QD565, eFluor565	PE, PKH26, Cy3		
4	595-642 (610/30)	BV605, QD625	PE-TxRed, ECD, PE- AF610		
5	642-745 (702/85)	BV711, QD704, eFluor700	PE-Cy5, PE-AF647, PerCP, 7AAD, DRAQ5, LDS751	APC, AF647, AF660, DRAQ5, Cy5, PE-Cy5, PerCP, PerCP- Cy5.5	
6	745-780 (762/35)	BV786, QD800	PE-Cy7, PE-AF750	APC-Cy7, APC- AF750, APC-H7, eFluor750, Cy7, PE-Cy7	SSC

Please note that the lasers on this instrument are not separated by a time delay, therefore all fluorophores used have to have separate emission spectra

Many dyes are excited by multiple lasers resulting in the need for cross compensation; this can be improved by turning off any laser not required