

UTSA Amnis Imaging Flow (ISX-MKII)						
Detection		Excitation Laser (nm)				
Ch#	Band (nm)	405	488	561	642	785
1	Bright field					
2	480-560 (528/65)		FITC, AF488,GFP, YFP,Syto13 Dylight488, Mito TrackerGreen PKH67, LysoTrackerGreen			
3	560-595 (577/35)		PE, PKH26, Cy3 DSRed, CellTracker/SY TOX organe	PE, AF546, AF555 PKH26. DSRed Cy3, SpctmOrange		
4	595-640 (610/30)		PE-TexRed, ECD PI, RFP,PE-AF610, QD625, eFluor625	AF568, DyLight594,mCherry PE-TxRed,ECD PE-AF610, RFP		
5	640-745 (702/85)		PE-Cy5, PE-AF647, 7AAD PerCP, PerCP-Cy5.5 eFluor650, Draq5, LDS751	PE-Cy5, PE-AF647 7AAD LDS751		
6	757-780 (762/35)		PE-Cy7, PE-AF750	PE-Cy7, PE-AF750		SSC*
7	435-505 (457-45)	DAPI, BV421, AF405 Hoechst,Pacblue, eFluor405 CFP, Live/dead violet				
8	505-570 (537/65)	BV510, PacOrange, AF430,eFluor525, QD525, Cascade Yellow				
9	Bright field					
10	595-640 (610/30)	eQD625, eFluor 625 BV605				
11	640-745 (702/65)	QD705 eFluor700 BV711			AF647, AF660, AF680 APC, Cy5, PE-Cy5 PerCP, PerCP-Cy5.5, DRAQ5	
12	745-800 (762/35)	QD800, BV786			APC-Cy7, APC-H7 APC-AF750, eFluor750 AF750, Cy7, PE-Cy7	SSC*

* Either Ch#6 or Ch#12 should be used to detect SSC data.

Example: 405, 488 and 642 lasers: AF488, PE, PE-TxRed, SSC-Ch#6, DAPI, AF647, APC-Cy7