

BD Celesta		
Laser	Detector name (band pass filter)	*Suggested Fluorochromes
Blue (488nm)	FSC	
	SSC	
	488 (530/30)	Fitc, Alexa488, GFP, YFP
	488 (695/40)	PerCP Cy5.5
Yellow Green (561nm)	561 (586/15)	PE, PI, mRFP, dTomato
	561 (610/20)	PE-TxR, PE-CF594 mCherry, DSRed
	561 (670/30)	PE Cy5, PE Cy5.5, 7AAD, mKate
	561 (780/60)	PE Cy7
Violet (405nm)	405 (450/40)	Pacific Blue, DAPI, BV421
	405 (525/50)	AmCyan, BV510, BV570
	405 (610/20)	BV605
	405 (670/30)	BV650
	405 (710/50)	BV711
	405(780/60)	BV786

*List of suggested Fluorochrome names is not exhaustive, please consult FCCF staff for information on other usable reagents.

BD Fortessa		
Laser	Detector name (band pass filter)	*Suggested Fluorochromes
Blue (488nm)	FSC	
	SSC	
	488 (530/30)	Fitc, Alexa488, GFP, YFP
	488 (695/40)	PerCP Cy5.5
Yellow Green (561nm)	561 (586/15)	PE, PI, mRFP, dTomato
	561 (610/20)	PE-TxR, PE-CF594 mCherry, DSRed
	561 (685/35)	PE Cy5, PE Cy5.5, 7AAD, mKate
	561 (780/60)	PE Cy7
Red (637nm)	637 (670/30)	APC, Alexa647, Alexa633, To-Pro-3
	637 (730/45)	Alexa700
	637 (780/60)	APC Cy7, APC H7, APC Alexa750
Violet (405nm)	405 (450/50)	Pacific Blue, DAPI, BV421
	405 (525/50)	AmCyan, BV510, BV570
	405 (610/20)	BV605
	405 (670/30)	BV650
	405 (710/50)	BV711
	405(780/60)	BV786
UV (355)	355 (379/28)	BUV395
	355 (450/50)	BUV496, DAPI, Hoechst Blue
	355 (730/45)	BUV737

*List of suggested Fluorochrome names is not exhaustive, please consult FCCF staff for information on other usable reagents.

BD Symphony A5

Laser	Detector name (band pass filter)	*Suggested Fluorochromes	Suggested Starting Voltage **
Blue (488nm)	FSC		420
	SSC		210
	488 [515/20]	Fitc, Alexa488, GFP, YFP	360
	488 [610/20]	BB630	390
	488 [670/30]	PerCP	450
	488 [710/50]	PerCP Cy5.5, BB700	450
	488 [750/30]	BB750	540
488 [780/60]	BB790	450	
Yellow Green (561nm)	561 [586/15]	PE, tdTomato, mRFP	420
	561 [610/20]	Pe CF594, PE TxR, mCherry, dsRed	440
	561 [670/30]	PE Cy5, mKate, 7AAD	440
	561 [710/50]	PE Cy5.5	390
	561 [780/60]	PE Cy7	420
Red (637nm)	637 [670/30]	APC, Alexa 647, To-Pro-3	450
	637 [710/50]	Alexa 700	370
	637 [780/60]	APC Cy7	390
Violet (405nm)	405 [431/28]	BV421, Pacific Blue	315
	405 [525/50]	BV510, Am Cyan	315
	405 [586/15]	BV570	390
	405 [610/20]	BV605	390
	405 [670/30]	BV650	400
	405 [710/50]	BV711	455
	405 [740/35]	BV750	485
	405 [780/60]	BV786	485
UV (355)	355 [379/28]	BUV395	420
	355 [450/50]	DAPI	390
	355 [515/30]	BUV496	360
	355 [586/15]	BUV563	440
	355 [670/30]	BUV661	460
	355 [740/35]	BUV737	500
	355 [820/60]	BUV805	480

*List of suggested Fluorochrome names is not exhaustive, please consult FCCF staff for information on other usable reagents.

** Begin with these voltages when first setting up an experiment, adjust voltages up as needed.

BD Symphony S6		
Laser	Detector name (band pass filter)	*Suggested Fluorochromes
Blue (488nm)	FSC	
	SSC	
	488 [515/20]	Fitc, Alexa488, GFP, YFP
	488 [610/20]	BB630
	488 [670/30]	PerCP
	488 [710/50]	PerCP Cy5.5, BB700
	488 [750/30]	BB750
	488 [780/60]	BB790
Yellow Green (561nm)	561 [586/15]	PE, tdTomato, mRFP
	561 [610/20]	Pe CF594, PE TxR, mCherry, dsRed
	561 [670/30]	PE Cy5, mKate, 7AAD
	561 [710/50]	PE Cy5.5
	561 [780/60]	PE Cy7
Red (637nm)	637 [670/30]	APC, Alexa 647, To-Pro-3
	637 [710/50]	Alexa 700
	637 [780/60]	APC Cy7
Violet (405nm)	405 [431/28]	BV421, Pacific Blue
	405 [525/50]	BV510, Am Cyan
	405 [586/15]	BV570
	405 [610/20]	BV605
	405 [670/30]	BV650
	405 [710/50]	BV711
	405 [740/35]	BV750
	405 [780/60]	BV786
UV (355)	355 [379/28]	BUV395
	355 [450/50]	DAPI
	355 [515/30]	BUV496
	355 [586/15]	BUV563
	355[610/20}	BUV615
	355 [670/30]	BUV661
	355 [740/35]	BUV737
	355 [820/60]	BUV805

*List of suggested Fluorochrome names is not exhaustive, please consult FCCF staff for information on other usable reagents.
 ** Begin with these voltages when first setting up an experiment, adjust voltages up as needed.

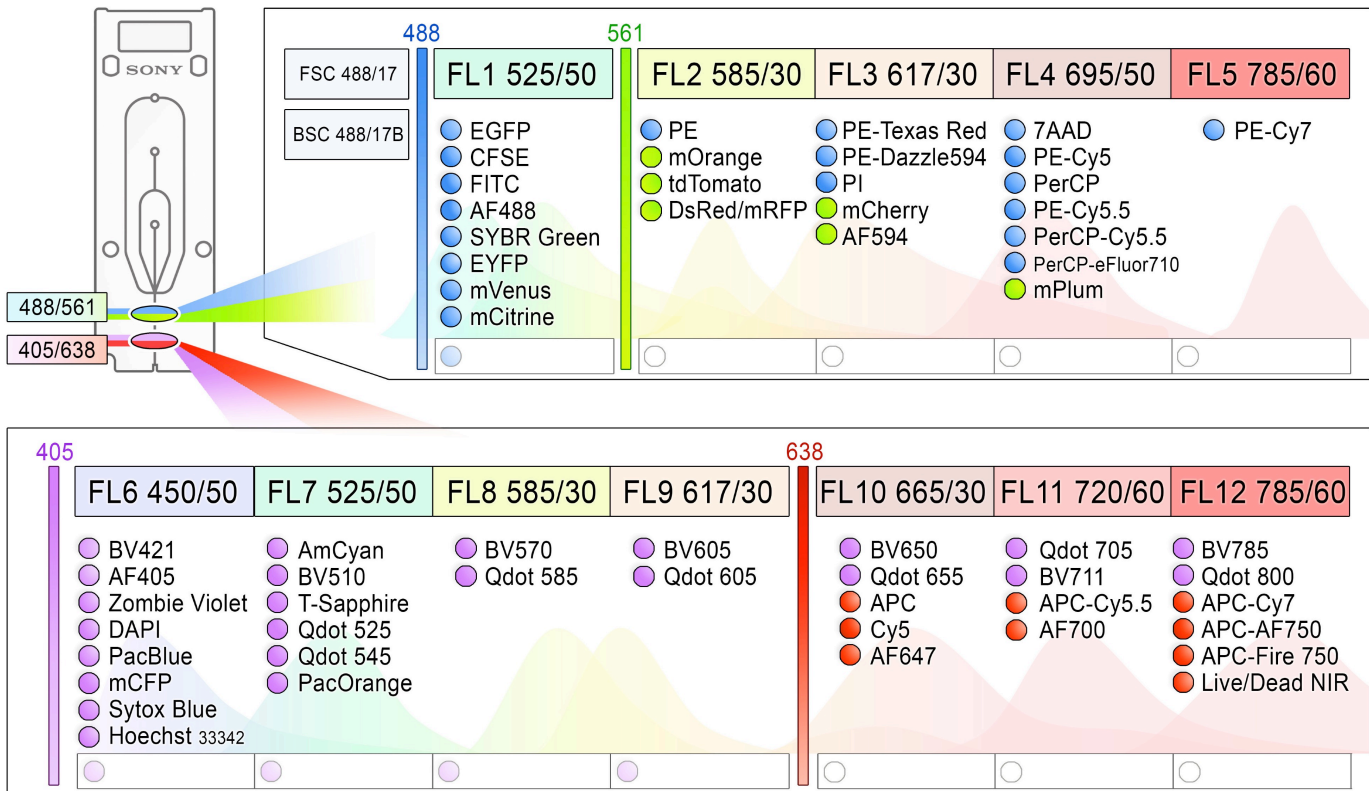
BD Influx Cell Sorter			
Laser	Bandpass filter	Detector Name	*Suggested Fluorochromes
Blue (488nm)	488/10	FSC	
	488/10	SSC	
	530/40	FL3	Fitc, Alexa488, GFP, YFP
	670/30	FL4	PerCP
	710/50	FL17	PerCP Cy5.5
Blue Violet (445nm)	480/40	FL9	CFP
	550/50	FL10	Chromomycin
Yellow Green (561nm)	585/29	FL11	PE, DsRed, PI
	610/20	FL12	PE TxR, Alexa594, PE-CF610, mCherry
	670/30	FL20	PE Cy5, PE Cy5.5, 7AAD, mKate
	LP750	FL21	PE Cy7
Red (640nm)	670/30	FL13	APC, Alexa647, Alexa633, To-Pro-3
	720/40	FL14	Alexa700
	LP750	FL22	APC Cy7, APC H7, APC Alexa750
Violet (405nm)	425/26	FL5	Pacific Blue, DAPI, BV421
	520/30	FL6	AmCyan, BV510
	610/20	FL7	BV610
	660/20	FL8	BV650
	710/50	FL18	BV711
	780/60	FL19	BV786
UV (355)	379/34	FL15	BUV395
	480/40	FL16	BUV496, DAPI, Hoechst Blue
	670/30	FL23	BUV661, Hoechst Red
	730/45	FL24	BUV737

*List of suggested Fluorochrome names is not exhaustive, please consult FCCF staff for information on other usable reagents.

SONY

MA900 FLUOROCHROME GUIDE

For 4-laser, 12-color models LE-MA900F/FP



Legend: Sony MA900 cell sorter can be equipped with up to 4 lasers. Two laser beam spots interrogate particles sequentially, with each spot containing up to 2 lasers (model dependent). 488 & 561 lasers are on Spot 1, while 405 & 638 lasers are on Spot 2. For panel design, select one dye from each FL channel of each beam spot. Dyes from the same FL channel cannot be run together. Each dye's circle label indicates its excitation laser. Empty rectangles aid in panel design. FSC & BSC scatter is detected with 488 laser. Follow Compensation Wizard for spillover compensation.

BD Symphony A5 SE and S6 SE

Detector Name	Common Fluorochromes	Detector Name	Common Fluorochromes
UV379	BUV395	B510	GFP, FITC, Alexa488, BB515, NF510
UV446	DAPI, Zombie UV	B537	YFP, Venus, NF530
UV515	BUV496	B576	
UV540		B602	BB630
UV585	BUV563	B660	BB660, PerCP-Vio700
UV610	BUV615	B675	BB700, PerCP
UV660	BUV661	B710	PerCP Cy5
UV695		B750	BB755, PerCP-Fire780, NF760
UV736	BUV737	B810	BB790, PerCP-Fire806, NF800
UV809	BUV805	YG585	PE, DsRed, tdTomato, Alexa532, Alexa561, NF590
V427	BV421, SB436	YG602	mCherry, PE-Dazzle594, NF610
V450	DAPI, BFP, Alexa405	YG660	mKate, 7AAD, NF660
V470	BV480, CFP	YG670	
V510	BV510, Zombie Aqua	YG695	NF690
V540		YG730	NF730
V576	BV570, Zombie Yellow	YG750	NF755
V595	SB600	YG780	PE Cy7
V615	BV605	YG825	
V660	BV650, SB645	R660	Alexa647, APC, NF660
V680	NF690	R675	iRFP670
V710	BV711, NF711, SB702	R680	iRFP682, NF685
V750	BV750	R710	Zombie R718, NF710
V785	BV785, BV786, NF800, SB780	R730	Zombie NIR, Alexa700, NF725
V845		R780	APC Cy7

NF=NovaFluor, SB=Super Bright, BB=Brilliant Blue, BV=Brilliant Violet, BUV=Brilliant Ultra Violet