

Configuration FACSriaIII

Laser	detector position	dichroic filter	band pass filter	parameter designation	fluorochromes	fluorescent proteins	other dyes (viability, tracking, functional dyes, etc.)
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Default configuration:

violet (405 nm/ 375 nm)	A	735LP	780/60	V780/60	BV786, Qdot800		
	B	690LP	710/50	V710/50	BV711, Qdot705		
	C	630LP	660/20	V660/20	BV650, eVolve655		
	D	595LP	613/20	V613/20	BV570, BV605, eVolve605, Qdot605		Zombie Yellow
	E	505LP	530/30	V530/30	AF430, AmCyan, BV510, CasYellow, Horizon V500, Krome Orange, PacGreen, PacOrange, VioGreen		LIVE/DEAD Aqua, LIVE/DEAD Yellow, Zombie Aqua
	F		450/40	V450/40	AF405, BV421, CasBlue, eFluor450, Horizon V450, PacBlue, VioBlue	BFP, Cerulean, eCFP,	Calcein Violet AM, CellTrace Violet, DAPI, DyeCycle Violet, FxCycle Violet, LIVE/DEAD violet, PO-PRO-1, SYTOX Blue, Zombie Violet

blue (488 nm)	A	655LP	695/40	B695/40	7-AAD, PerCP, PerCP-Cy5.5, PerCP-eFluor710		
	B	502LP	530/30	B530/30	AF488, AF500, BB515, Cy2, DyLight 488, FITC	GFP, YFP, eGFP, eYFP, Topaz, Venus	Calcein (Green) AM, CFSE, Fluo-3, Rhodamine 110, LIVE/DEAD Green, Syto 13, SYTOX Green, YO-PRO-1, Zombie Green
	C		488/10	SSC			

yellow-green (561 nm)	A	735LP	780/60	YG780/60	PE-AF750, PE-Cy7, PE-Vio770		
	B	630LP	670/14	YG670/14	PE-AF647, PE-Cy5	mPlum, mRaspberry	7-AAD
	C	600LP	610/20	YG610/20	ECD, PE-AF610, PE-CF594, PE-eFluor610, PE-TexasRed, PE-Vio615	dsRed, dTomato, Katushka, mCherry, mKate, mStrawberry	LIVE/DEAD Red, PI, Zombie Red
	D		582/15	YG582/15	Cy3, PE	mOrange	CellTrace Yellow, SYTOX Orange

red (641 nm)	A	748LP	780/60	R780/60	APC-AF750, APC-Cy7, APC-eFluor780, APC-H7, APC-Vio770		DRAQ5, DRAQ7, LIVE/DEAD Near-IR, Zombie NIR
	B	690LP	730/45	R730/45	AF700, APC-AF700, APC-R700		DRAQ5, DRAQ7
	C		670/30	R670/30	AF647, AF680, APC, Cy5, eFluor660, HiLyte Fluor 647	RFP657, E2-Crimson	CellTrace Far Red, DRAQ7, LIVE/DEAD Far Red, SYTOX Red, TO-PRO-3

Optional Configurations (only changes to default configuration are listed)

blue (488 nm)	D	525LP	550/30	B550/30		GFP, eGFP	
	E	502LP	510/21	B510/21		YFP, Topaz, Venus	

Filtercombinations for other fluorochromes or fluorochrome combinations are available upon request.