

Configuration FACSaria IIu

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 (407 nm)	A	502LP	550/40	V550/40	AF430, AmCyan, BV510, CasYellow, Horizon V500, Krome Orange, PacGreen, PacOrange, VioGreen		LIVE/DEAD Aqua, LIVE/DEAD Yellow, Zombie Aqua
	B		450/50	V450/50	AF405, BV421, CasBlue, eFluor450, Horizon V450, PacBlue, VioBlue	BFP, Cerulean, eCFP,	Calcein Violet AM, CellTrace Violet, DyeCycle Violet, FxCycle Violet, LIVE/DEAD violet, PO-PRO-1, SYTOX Blue, Zombie Violet

blue (488 nm)	A	735LP	780/60	B780/60	PE-AF750, PE-Cy7, PE-Vio770		
	B	655LP	695/40	B695/40	7-AAD, PE-AF700, PE-Cy5, PE-Cy5.5, PerCP, PerCP-Cy5.5, PerCP-eFluor710,		
	C	595LP	610/20	B610/20	ECD, PE-AF610, PE-CF594, PE-eFluor610, PE-TexasRed, PE-Vio615		LIVE/DEAD Red, PI, Zombie Red
	D	556LP	585/42	B585/42	Cy3, PE		
	E	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
	F		488/10	SSC			

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	685LP	720/45	R720/45	AF700, APC-AF700, APC-R700		DRAQ5, DRAQ7
	C		660/20	R660/20	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)

GFP-YFP

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

PerCP (Filter optimized for use with PerCP instead of PerCP-Cy5.5)

blue (488 nm)	B	655LP	675/20	B675/20	PerCP		
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alternative filters for 2nd violet channel:

violet (407 nm)	A	502LP	585/42		BV570		Zombie Yellow
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violet (407 nm)	A	502LP	610/20		BV605, eVolve605, Qdot605		
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Filter combinations for other fluorochromes or fluorochrome combinations are available upon request.