

Configuration XDP

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

blue (488 nm)	PMT 0	505SP	488/10	SSC			
	PMT 1	555LP	530/40	FL1	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
	PMT 2	605SP	580/30	FL2	Cy3, PE		
	PMT 3	650SP	613/20	FL3	ECD, PE-AF610, PE-CF594, PE-eFluor610, PE-TexasRed, PE-Vio615		LIVE/DEAD Red, PI, Zombie Red
	PMT 4	718SP	695/55	FL4	7-AAD, PE-AF700, PE-Cy5, PE-Cy5.5, PerCP-Cy5.5, PerCP-eFluor710,		
	PMT 5		780/40	FL5	PE-AF750, PE-Cy7, PE-Vio770		

red (641 nm)	PMT 6	700SP	670/30	FL6	AF647, AF680, APC, Cy5, eFluor660, HiLyte Fluor 647	RFP657, E2-Crimson	CellTrace Far Red, DRAQ7, LIVE/DEAD Far Red, SYTOX Red, TO-PRO-3
	PMT 7		740LP	FL7	APC-AF750, APC-Cy7, APC-eFluor780, APC-H7, APC-Vio770		DRAQ5, DRAQ7, LIVE/DEAD Near-IR, Zombie NIR
				FL8			

violet (405)	PMT9	505SP	450/20	FL9	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
	PMT10		610/20	FL10	BV570, BV605, eVolve605, Qdot605		Zombie Yellow
Y-g (561 nm)	PMT10		610/20	FL10	ECD, PE-AF610, PE-CF594, PE-eFluor610, PE-TexasRed, PE-Vio615	dsRed, dTomato, Katushka, mCherry, mKate, mStrawberry	LIVE/DEAD Red, PI, Zombie Red

alternative filters for 2nd violet channel:

violet (405)	PMT10		550/30	FL10	AF430, AmCyan, BV510, CasYellow, Horizon V500, Krome Orange, PacGreen, PacOrange, VioGreen		LIVE/DEAD Aqua, LIVE/DEAD Yellow, Zombie Aqua
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alternative filters for yellow-green channel:

Y-g (561 nm)	PMT10		580/30	FL10	Cy3, PE (e.g. in combination with high GFP background)		CellTrace Yellow, SYTOX Orange
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Y-g (561 nm)	PMT10		630/30	FL10		mCherry	
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GFP-YFP configuration

blue (488 nm)	D	605SP	550/30	B550/30		GFP, eGFP	
	E	525LP	510/21	B510/21		YFP, Topaz, Venus	

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