

BD LSR II – Filterkonfiguration

	Long Pass Filter	Band Pass Filter	Detector	Name in Diva Software	typical Fluorochromes
violet Laser 405 nm (custom array)	735 LP	780 / 40	A	BV785	BV785 SuperBright780 Qdot800
	BV750 can be measured with following filter combination (BV785 is exchanged):				
	735 LP	744/33	A	BV785	BV750
	685 LP	710 / 50	B	BV711	BV711 SuperBright702 Qdot705
	630 LP	660 / 20	C	BV650	BV650 SuperBright645 Qdot655
	595 LP	610 / 20	D	BV605	BV605 Qdot605, Qdot605 SuperBright600
	BV570 can be measured but only in combination with a 570 LP dichroic mirror.				
	570 LP	610 / 20	D	BV605	BV570
	475 LP	525 / 50	E	BV510	BV510 BD Horizon V500 Qdot525, eFluor 506 Fixable Live/Dead stain Aqua VioGreen, AmCyan, CFP Alexa Fluor430 Krome Orange
	-	450 / 50	F	Pacific Blue	BV421 Pacific Blue Alexa Fluor 405, eFluor 450 BD Horizon V450 BD Fixable Viability Stain 450 Cascade Blue eBFP Zombie Violet

The configuration of the violet octagon can be changed so that BV421 and Pacific Blue can be detected simultaneously.

	445 LPXR	460 / 38	E	BV510	Pacific Blue
	-	427 / 10	F	Pacific Blue	BV421

blue Laser 488 nm	655 LP	695 / 40	A	PerCP-Cy5.5	PerCP-Cy5.5 PerCP PerCP-eFluor710 PerCP-Vio680 7AAD
	505 LP	530 / 30	B	FITC	FITC, YFP, Rhodamine 123 GFP (mit BP 510/20) AF488, BB515 mCitrine, Venus, SytoxGreen
	-	488 / 10	C	Side Scatter SSC	

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Yellow-green Laser 561 nm	755 LP	780 / 60	A	PE-Cy7	PE-Cy7 PE-AlexaFluor750 PE-Vio770
	655 LP	660 / 20	B	PE-Cy5	PE-Cy5 PE-AlexaFluor647 7AAD
	600 LP	610 / 20	C	PE-Texas Red	PE-TexasRed mcherry, mRFP1, mRuby mStrawberry, Phusion Red AlexaFluor594 PE-CF594, PE-Dazzle 594 7AAD, PI, Zombie Red
	570 LP	582 / 15	D	PE	PE, TRITC DsRed, DsRed2, DsRed Express mOrange, mBanana, dTomato Alexa Fluor 555 Alexa Fluor 546

Red Laser 663 nm	755 LP	780 / 60	A	APC-Cy7	APC-Cy7 APC-eFluor780 APC-H7, APC/Fire750, Draq7 APC-Vio770 APC-Alexa Fluor 750 Fix. Viability Dye eFluor 780 LIVE/DEAD Fixable Near-IR
	710 LP	730 / 45	B	AlexaFluor700	AlexaFluor700 iRed Alexa700 APC-R700 APC-AlexaFluor700
	-	660 / 20	C	APC	APC AlexaFluor647 eFluor660 To-Pro-3 Cy5 DyeCycle Ruby, SytoxRed, DRAQ5

Alternative Filter combinations available:

PE = 545 LP + 585/42

BV510 = 475 LP + 510/50

GFP = 505 LP + 510/20

BV750 = 735 LP + 780/40 (Bandpassfilter von BV785), (**nicht** in BV711 messen)