BD FACS ARIA III – Filterkonfiguration

	Long Pass Filter	Band Pass Filter	Detec-tor	Name in Diva Software	typical Fluorochromes
+ violet Laser 405 nm (custom array)	735 LP	792 / 64	A	BV785	BV785 SuperBright780 Qdot800
	735 LP	744 / 33	A	BV785	BV750
	685 LP	711 / 25	B	BV711	BV711 SuperBright702 Qdot705
	635 LP	660 / 20	C	BV650	BV650 SuperBright645 Qdot655
	595 LP	610 / 20	D	BV605	BV605 Qdot605, Qdot605 SuperBright600
	575 LP	585 / 42	E	BV570	BV570 Qdot585 PacOrange, PacificOrange
	502 LP	520 / 35	F	BV510	BV510, eFluor506 BD Horizon V500 Qdot525 Fixable Live/Dead stain aqua VioGreen, AmCyan, CFP AF430, Krome Orange
near UV Laser 375 nm	445 LPXR	460 / 36	G	PacificBlue	PacificBlue Cell Trace Violett, VioBlue BD Horizon V450 CFP, TagBFP Live/Dead fixable violet SYTOX Blue eFluor450
	-	427 / 10	H	BV421	BV421 AF405 SuperBright436 BFP, DAPI, Hoechst33342 <u>With 375 nm Laser:</u> DyeCycle violet DAPI, Hoechst33342

blue Laser 488 nm	685 LP	695 / 40	A	PerCP-Cy5.5	PerCP-Cy5.5 PerCP PerCP-eFluor710 PerCP-Vio680 7AAD
	520 LP	530 / 30	B	FITC	FITC, YFP, Rhodamin123 **GFP (mit BP 510/20)** AF488, BB515 mCitrine, Venus, SytoxGreen
	-	488 / 10	C	FSC	

	Long Pass Filter	Band Pass Filter	Detec-tor	Name in Diva Software	typical Fluorochromes
Yellow-green Laser 561 nm	735 LP	780 / 60	A	PE-Cy7	PE-Cy7 PE-AlexaFluor750 PE-Vio770
	685 LP	710 / 50	B	PE-Cy5.5	PE-Cy5.5 PerCP-eFluor710 PE-AlexaFluor700 AlexaFluor680 7AAD, PI
	630 LP	670 / 14	C	PE-Cy5	PE-Cy5 mPlum, PI
	600 LP	610 / 20	D	PE-Texas Red	PE-Texas Red mcherry, mRFP1, mRuby mStrawberry, Phusion Red AlexaFluor594, PE-CF594, PE-Dazzle594 7AAD, PI, Zombie Red
	-	586 / 15	E	PE	PE DsRed, Cy3 TRITC, ATTO 550 mOrange, mBanana, dTomato AlexaFluor555, AF 546

Red Laser 663 nm	755 LP	780 / 60	A	APC-Cy7	APC-Cy7 APC-eFluor780 APC-H7, APC/Fire750, Draq7 APC-Vio770 Fixable Viability Dye eFluor 780 LIVE/DEAD Fixable NIR, Zombie NIR AlexaFluor750
	690 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