



BD FACSDiscover S8 Filter Guide

Laser	Filter Wavelength (nm)	Detector	Fluorochromes
UV (349nm)	375/20	UV1	Spark UV387
	392/14	UV2	BUV395
	420/20	UV3	FVS440UV
	440/20	UV4	ZombieUV eBFP
	459/18	UV5	DAPI
	476/16	UV6	
	501/16	UV7	BUV496
	517/16	UV8	L/D Fixable Aqua
	532/16	UV9	
	547/16	UV10	
	574/16	UV11	BUV563
	590/16	UV12	
	607/18	UV13	BUV615 Qdot 605
	625/18	UV14	PI Qdot 625
	655/20	UV15	BUV661
	675/20	UV16	
	698/26	UV17	
	724/26	UV18	BUV737
	752/30	UV19	
	782/30	UV20	
	812/30	UV21	BUV805
	844/34	UV22	
Violet (405nm)	420/20	V1	Alexa Fluor 405 BV421 Zombie Violet
	440/20	V2	FVS450 V450
	459/18	V3	Pacific Blue
	476/16	V4	BV480 eCFP
	501/16	V5	V500 AmCyan
	517/16	V6	BV510 FVS510
	532/16	V7	
	547/16	V8	Pacific Orange
	574/16	V9	BV570
	590/16	V10	Zombie Yellow
	607/18	V11	BV605
	625/18	V12	
	655/20	V13	BV650
	675/20	V14	
	698/26	V15	BV711
	724/26	V16	
	752/30	V17	BV750
	782/30	V18	BV786
	812/30	V19	
	844/34	V20	

Laser	Filter Wavelength (nm)	Detector	Fluorochromes
Blue (488nm)	501/16	B1	eGFP
	517/16	B2	BB515 FITC FVS520
	532/16	B3	eYFP
	547/16	B4	RB545
	574/16	B5	
	590/16	B6	
	607/18	B7	RB613
	625/18	B8	FVS620
	655/20	B9	
	675/20	B10	RB670 PerCP-Cy5.5
	698/26	B11	RB705
	724/26	B12	
	752/30	B13	RB744
	782/30	B14	RB780
	812/30	B15	PerCP-Fire 806
	844/34	B16	
Yellow-Green (561nm)	574/16	YG1	PE Alexa Fluor 561 FVS570
	590/16	YG2	RY586
	607/18	YG3	RY610 Alexa Fluor 594 PE-CF594 PE-Texas Red mCherry
	625/18	YG4	PE-AlexaFluor
	655/20	YG5	7-AAD PE/Fire 640
	675/20	YG6	PE-Cy5
	698/26	YG7	RY703 PE-Cy5.5
	724/26	YG8	
	752/30	YG9	
	782/30	YG10	RY775 PE-Cy7
	812/30	YG11	PE/Fire 810
	844/34	YG12	
Red (637nm)	655/20	R1	APC
	675/20	R2	Alexa Fluor 647
	698/26	R3	Alexa Fluor 660 Draq5 Draq7
	724/26	R4	R718
	752/30	R5	Zombie NIR L/D Fixable NIR
	782/30	R6	APC-Cy7 APC-H7
	812/30	R7	APC/Fire 810
	844/34	R8	

Laser	Filter Wavelength (nm)	Detector	Fluorochromes
Imaging Blue (488nm)	534/46	ImgB1	BB515 FITC RB545
	598/60	ImgB2	PE RB613 PE-CF594 PE-Texas Red
	788/225	ImgB3	RB670 PE-Cy5 PE-Cy5.5 PerCP-Cy5.5 RB705 RB744 PE-Cy7 RB780

*This is a non-exhaustive list of fluorochromes paired to a detector at their peak emission.