

BD Influx™ Cell Sorter

Filter Guide

Part #	Dyes	Application	# of Detectors	Filter(s)	Mirror(s)	Laser Blocking*
644708	355 nm, 100 mW + excitation optics					
644666	Hoechst	Cell cycle	1	460/50	N/A	400 LP
644667	Hoechst Blue Hoechst Red	Side population	2	460/50 670/30	550 DLP	400 LP
644668	Indo-1 bound Indo-1 free	Calcium flux	2	406/15 530/40	440 DLP	364 LP
650216	405 nm, 100 mW + excitation optics					
644669	Pacific Blue™ AmCyan	Cell surface markers	2	460/50 520/35	480 DLP	420 LP
646372	Pacific Blue™ Pacific Orange™	Cell Surface markers	2	460/50 550/50	480 DLP	420 LP
647490	Pacific Blue™ AmCyan Qdot® 655	Cell surface markers	3	460/50 520/35 650 LP	600 DLP	420 LP
646975	Pacific Blue™ AmCyan Qdot® 605 Qdot® 655/Qdot® 705	Cell surface markers	4	460/50 520/35 605/40 650 LP	480 DLP 575 DLP 645 DLP	420 LP
650198	BD Horizon™ V450 BD Horizon V500 Qdot® 605 Qdot® 655 Qdot® 705 Qdot® 800	Cell surface markers	6	460/50 520/35 610/20 660/20 710/50 750 LP	480 DLP 550 DLP 645 DLP 685 DLP 740 DLP	420 LP
644710	457 nm, 300 mW + excitation optics					
644670	CFP Chromomycin	Fluorescent protein, chromosomes	2	480/40 550/50	500 DLP	458 LP
644671	CFP Primary chlorophyll	Fluorescent protein, marine biology	2	480/40 650 LP	610 DLP	458 LP
646356	488 nm, 200 mW + excitation optics					
644672	FITC PE	Cell surface markers	2	530/40 580/30	550 DLP	505 LP
644673	GFP YFP	Fluorescent proteins	2	513/17 542/27	527 DLP	505 LP
644674	FITC/GFP Chlorophyll	Fluorescent proteins, marine biology	2	530/40 692/40	600 DLP	505 LP
644675	FITC PI	Cell surface markers, live/dead discrimination, cell cycle	2	530/40 610/20	550 DLP	505 LP
644676	FITC PerCP PerCP-Cy™5.5	Cell surface markers	3	530/40 670/30 710/50	550 DLP 685 DLP	505 LP
644677	FITC PE PE-Texas Red®/propidium iodide PE-Cy™5	Cell surface markers, live/dead discrimination, cell cycle	4	530/40 580/30 610/20 670/30	550 DLP 600 DLP 645 DLP	505 LP
644678	FITC PE PE-Cy5 PE-Cy™7	Cell surface markers	4	530/40 585/29 670/30 750 LP	550 DLP 610 DLP 710 DLP	505 LP
644679	FITC/SYBR® Green PE PE-Texas Red®/propidium iodide Chlorophyll	Cell surface markers, live/dead discrimination, cell cycle, marine biology, microbiology	4	530/40 580/30 610/20 692/40	550 DLP 600 DLP 645 DLP	505 LP
644680	FITC/SYBR® Green SYBR® Gold PE Chlorophyll	Cell surface markers, marine biology, microbiology	4	520/15 542/27 585/40 692/40	527 DLP 560 DLP 610 DLP	505 LP

DLP = Dichroic longpass LP = Longpass

* Depending on the combination of laser lines in an instrument configuration, more rigorous laser blocking might be necessary. BD Biosciences will add high-quality laser line blocking filters when necessary.



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646356	488 nm, 200 mW + excitation optics					
644681	FITC	Cell surface markers, live/dead discrimination, cell cycle	5	530/40	550 DLP	505 LP
	PE			580/30	600 DLP	
	PE-Texas Red®/propidium iodide			610/20	645 DLP	
	PE-Cy5.5			692/40	740 DLP	
	PE-Cy7			750 LP		
644712	532 nm, 150 mW + excitation optics					
644682	Primary PE	Cell surface markers	2	585/40	645 DLP	532 LP
	PE-Cy5			670/30		
644683	PE	Cell surface markers	3	580/30	600 DLP	532 LP
	PE-Cy5			660/40	680 DLP	
	PE-Cy5.5			710/50		
644684	PE	Cell surface markers, live/dead discrimination, cell cycle	4	585/29	600 DLP	532 LP
	PE-Texas Red®/propidium iodide			610/20	645 DLP	
	PE-Cy5			670/30	700 DLP	
	PE-Cy7			750 LP		
644689	PE	Cell surface markers	4	593/40	645 DLP	570 LP
	PE-Cy5			670/30	685 DLP	
	PE-Cy5.5			710/50	740 DLP	
	PE-Cy7			750 LP		
644713	561 nm, 75 mW + excitation optics					
650217	561 nm, 150 mW + excitation optics					
644685	DsRed	Fluorescent proteins	2	585/29	600 DLP	570 LP
	mCherry			615/24		
644686	PE	Cell surface markers	2	593/40	645 DLP	570 LP
	PE-Cy5			670/30		
644687	PE	Cell surface markers	3	593/40	645 DLP	570 LP
	PE-Cy5			670/30	700 DLP	
	PE-Cy7			750 LP		
644688	PE	Cell surface markers	4	585/29	600 DLP	570 LP
	PE-Texas Red®			610/20	645 DLP	
	PE-Cy5			670/30	700 DLP	
	PE-Cy7			750 LP		
644689	PE	Cell surface markers	4	593/40	645 DLP	570 LP
	PE-Cy5			670/30	685 DLP	
	PE-Cy5.5			710/50	740 DLP	
	PE-Cy7			750 LP		
648728	PE	Cell surface markers	5	585/29	600 DLP	561 LP
	PE-Texas Red®			610/20	645 DLP	
	PE-Cy5			670/30	685 DLP	
	PE-Cy5.5			710/30	740 DLP	
	PE-Cy7			750 LP		
650218	640 nm, 120 mW + excitation optics					
644690	APC	Cell surface markers	2	670/30	700 DLP	650 LP
	APC-Cy7			750 LP		
644691	Chlorophyll/APC	Cell surface markers, marine biology	2	692/40	740 DLP	650 LP
	APC-Cy7			750 LP		
646371	APC	Cell surface markers	3	670/30	700 DLP	650 LP
	Alexa Fluor® 700			720/40	740 DLP	
	APC-Cy7			750 LP		

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Class I (1) laser product.

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