

# 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
644709	405 nm, 50 mW + excitation optics					
644669	Pacific Blue™ AmCyan	Cell surface markers	2	460/50 520/35	480 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
644711	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 protein, 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
644681	FITC PE PE-Texas Red®/propidium iodide PE-Cy5.5 PE-Cy7	Cell surface markers, live/dead discrimination, cell cycle	5	530/40 580/30 610/20 692/40 750 LP	550 DLP 600 DLP 645 DLP 740 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 where necessary.



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<b>644712</b>	<b>532 nm, 150 mW + excitation optics</b>					
644682	Primary PE PE-Cy5	Cell surface markers	2	585/40 670/30	645 DLP	532 LP
644683	PE PE-Cy5 PE-Cy5.5	Cell surface markers	3	580/30 660/40 710/50	600 DLP 680 DLP	532 LP
644684	PE PE-Texas Red®/propidium iodide PE-Cy5 PE-Cy7	Cell surface markers, live/dead discrimination, cell cycle	4	585/29 610/20 670/30 750 LP	600 DLP 645 DLP 700 DLP	532 LP
<b>644713</b>	<b>561 nm, 75 mW + excitation optics</b>					
644685	DsRed mCherry	Fluorescent proteins	2	593/40 624/40	610 DLP	570 LP
644686	PE PE-Cy5	Cell surface markers	2	593/40 670/30	645 DLP	570 LP
644687	PE PE-Cy5 PE-Cy7	Cell surface markers	3	593/40 670/30 750 LP	645 DLP 700 DLP	570 LP
644688	PE PE-Texas Red® PE-Cy5 PE-Cy7	Cell surface markers	4	585/29 610/20 670/30 750 LP	600 DLP 645 DLP 700 DLP	570 LP
644689	PE PE-Cy5 PE-Cy5.5 PE-Cy7	Cell surface markers	4	593/40 670/30 710/50 750 LP	645 DLP 685 DLP 740 DLP	570 LP
<b>644714</b>	<b>640 nm, 50 mW + excitation optics</b>					
644690	APC APC-Cy7	Cell surface markers	2	670/30 750 LP	700 DLP	650 LP
644691	Chlorophyll/APC APC-Cy7	Cell surface markers, marine biology	2	692/40 750 LP	740 DLP	650 LP
644692	APC Alexa Fluor® 700 APC-Cy7	Cell surface markers	3	670/30 720/40 750 LP	700 DLP 740 DLP	650 LP

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23-10507-02



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