

# BD FACSJazz™ Cell Sorter

## Filter Guide

Dyes	Applications	Filters	Mirrors	Laser Blocking
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### 1-laser, 4-color configuration (655490-01 – 100/120 VAC, 655490-02 – 220/240 VAC)

488 nm				
FITC, BD Horizon Brilliant™ Blue 515, GFP	Cell surface markers	530/40	550 LP	505 LP
PE, PI	Cell surface markers, live/dead discrimination, cell cycle	585/29	610 LP	
PerCP-Cy™5.5	Cell surface markers	692/40	740 LP	
PE-Cy™7	Cell surface markers	750 LP		

### 2-laser, 2-4 color configuration (655490-25 – 100/120 VAC, 655490-26 – 220/240 VAC)

488 nm				
FITC, BD Horizon Brilliant Blue 515, GFP	Cell surface markers, fluorescent protein	513/17	527 LP	505 LP
YFP	Fluorescent protein	542/27		
561 nm				
DsRed, PE	Fluorescent protein, cell surface markers	585/29	600 LP	570 LP
mCherry, BD Horizon™ PE-CF594	Fluorescent protein, cell surface markers	610/20	645 LP	
PE-Cy™5	Cell surface markers	670/30	740 LP	
PE-Cy7	Cell surface markers	750 LP		

### 2-laser, 2-4 color configuration (655490-11 – 100/120 VAC, 655490-12 – 220/240 VAC)

488 nm				
FITC, BD Horizon Brilliant Blue 515, GFP	Cell surface markers, fluorescent protein	530/40	550 LP	505 LP
PerCP-Cy5.5	Cell surface markers	710/50		
561 nm				
DsRed, PE	Fluorescent protein, cell surface markers	585/29	600 LP	570 LP
mCherry, BD Horizon PE-CF594	Fluorescent protein, cell surface markers	610/20	645 LP	
PE-Cy5	Cell surface markers	670/30	740 LP	
PE-Cy7	Cell surface markers	750 LP		

### 2-laser, 4-2 color configuration (655490-07 – 100/120 VAC, 655490-08 – 220/240 VAC)

488 nm				
FITC, BD Horizon Brilliant Blue 515, GFP	Cell surface markers, fluorescent protein	530/40	550 LP	505 LP
PE, PI	Cell surface markers, live/dead discrimination, cell cycle	585/29	610 LP	
PerCP-Cy5.5	Cell surface markers	692/40	740 LP	
PE-Cy7	Cell surface markers	750 LP		
405 nm				
CFP, BD Horizon™ V450, BD Horizon Brilliant™ Violet 421, DAPI	Fluorescent protein, cell surface markers, live/dead discrimination	450/50	480 LP	420 LP
BD Horizon™ V500, BD Horizon Brilliant™ Violet 510	Cell surface markers	520/35		

### 2-laser, 4-2 color configuration (655486 – 100/120 VAC, 655487 – 220/240 VAC)

488 nm				
FITC, BD Horizon Brilliant Blue 515, GFP	Cell surface markers, fluorescent protein	530/40	550 LP	505 LP
PE, PI	Cell surface markers, live/dead discrimination, cell cycle	585/29	610 LP	
PerCP-Cy5.5	Cell surface markers	692/40	740 LP	
PE-Cy7	Cell surface markers	750 LP		
640 nm				
APC	Cell surface markers	660/20	700 LP	650 LP
APC-Cy7, APC-H7	Cell surface markers	750 LP		

LP = Longpass Filter



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### 3-laser, 2-2-2 color configuration (655490-05 – 100/120 VAC, 655490-06 – 220/240 VAC)

488 nm				
FITC, BD Horizon Brilliant Blue 515, GFP PE, PI	Cell surface markers, fluorescent protein Cell surface markers, live/dead discrimination, cell cycle	530/40 585/29	550 LP	505 LP
640 nm				
APC APC-Cy7, APC-H7	Cell surface markers Cell surface markers	660/20 750 LP	700 LP	650 LP
405 nm				
CFP, BD Horizon V450, BD Horizon Brilliant Violet 421, DAPI	Fluorescent protein, cell surface markers, live/dead discrimination	450/50	480 LP	420 LP
BD Horizon V500, BD Horizon Brilliant Violet 510	Cell surface markers	520/35		

### 3-laser, 2-2-2 color configuration (655490-13 – 100/120 VAC, 655490-14 – 220/240 VAC)

488 nm				
FITC, BD Horizon Brilliant Blue 515, GFP YFP	Cell surface markers, fluorescent protein Fluorescent protein	513/17 542/27	527 LP	505 LP
640 nm				
APC APC-Cy7	Cell surface markers Cell surface markers	660/20 750 LP	700 LP	650 LP
561 nm				
DsRed, PE mCherry, BD Horizon PE-CF594	Fluorescent protein, cell surface markers Fluorescent protein, cell surface markers	585/29 610/20	600 LP	570 LP

### 3-laser, 2-2-2 color configuration (655490-15 – 100/120 VAC, 655490-16 – 220/240 VAC)

488 nm				
FITC, BD Horizon Brilliant Blue 515, GFP PerCP-Cy5.5	Cell surface markers, fluorescent protein Cell surface markers	530/40 710/50	550 LP	505 LP
640 nm				
APC APC-Cy7	Cell surface markers Cell surface markers	660/20 750 LP	700 LP	650 LP
561 nm				
DsRed, PE mCherry, BD Horizon PE-CF594	Fluorescent protein, cell surface markers Fluorescent protein, cell surface markers	585/29 610/20	600 LP	570 LP

### 3-laser, 2-2-2 color configuration (655490-29 – 100/120 VAC, 655490-30 – 220/240 VAC)

488 nm				
FITC, BD Horizon Brilliant Blue 515, GFP YFP	Cell surface markers, fluorescent protein Fluorescent protein	513/17 542/27	527 LP	505 LP
405 nm				
CFP, BD Horizon V450, BD Horizon Brilliant Violet 421, DAPI	Fluorescent protein, cell surface markers, live/dead discrimination	450/50	480 LP	420 LP
BD Horizon V500, BD Horizon Brilliant Violet 510	Cell surface markers	520/35		
561 nm				
DsRed, PE mCherry, BD Horizon PE-CF594	Fluorescent protein, cell surface markers Fluorescent protein, cell surface markers	585/29 610/20	600 LP	570 LP

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## Filter Guide

Dyes	Applications	Filters	Mirrors	Laser Blocking
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### 3-laser, 2-1-3 color configuration (655490-31 – 100/120 VAC, 655490-32 – 220/240 VAC)

488 nm				
FITC, BD Horizon Brilliant Blue 515, GFP	Cell surface markers, fluorescent protein	530/40	550 LP	505 LP
PerCP-Cy5.5	Cell surface markers	710/50		
405 nm				
CFP, BD Horizon V450, BD Horizon Brilliant Violet 421, DAPI	Fluorescent protein, cell surface markers, live/dead discrimination	450/50		420 LP
561 nm				
DsRed, PE	Fluorescent protein, cell surface markers	585/29	600 LP	570 LP
mCherry, BD Horizon PE-CF594	Fluorescent protein, cell surface markers	610/20	645 LP	
PE-Cy7	Cell surface markers	750 LP		

### 3-laser, 2-1-3 color configuration (655490-21 – 100/120 VAC, 655490-22 – 220/240 VAC)

488 nm				
FITC, BD Horizon Brilliant Blue 515, GFP	Cell surface markers	513/17	527 LP	505 LP
YFP	Fluorescent protein	542/27		
640 nm				
APC	Cell surface markers	660/20		650 LP
561 nm				
DsRed, PE	Fluorescent protein, cell surface markers	585/29	600 LP	568 LP
mCherry, BD Horizon PE-CF594	Fluorescent protein, cell surface markers	610/20	645 LP	
PE-Cy7	Cell surface markers	750 LP		

### 3-laser, 2-1-3 color configuration (655490-23 – 100/120 VAC, 655490-24 – 220/240 VAC)

488 nm				
FITC, BD Horizon Brilliant Blue 515, GFP	Cell surface markers, fluorescent protein	530/40	550 LP	505 LP
PerCP-Cy5.5	Cell surface markers	710/50		
640 nm				
APC	Cell surface markers	660/20		650 LP
561 nm				
DsRed, PE	Fluorescent protein, cell surface markers	585/29	600 LP	570 LP
mCherry, BD Horizon PE-CF594	Fluorescent protein, cell surface markers	610/20	645 LP	
PE-Cy7	Cell surface markers	750 LP		

### 3-laser, 2-1-3 color configuration (655490-27 – 100/120 VAC, 655490-28 – 220/240 VAC)

488 nm				
FITC, BD Horizon Brilliant Blue 515, GFP	Cell surface markers, fluorescent protein	513/17	527 LP	505 LP
YFP	Fluorescent protein	542/27		
405 nm				
CFP, BD Horizon V450, BD Horizon Brilliant Violet 421, DAPI	Fluorescent protein, cell surface markers, live/dead discrimination	450/50		420 LP
561 nm				
DsRed, PE	Fluorescent protein, cell surface markers	585/29	600 LP	570 LP
mCherry, BD Horizon PE-CF594	Cell surface markers	610/20	645 LP	
PE-Cy7	Cell surface markers	750 LP		

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### 3-laser, 3-1-2 color configuration (655490-03 – 100/120 VAC, 655490-04 – 220/240 VAC)

488 nm				
FITC, BD Horizon Brilliant Blue 515, GFP	Cell surface markers, fluorescent protein	530/40	550 LP	505 LP
PE, PI	Cell surface markers, live/dead discrimination, cell cycle	585/29	610 LP	
PerCP-Cy5.5, PE-Cy7	Cell surface markers	670 LP		
640 nm				
APC	Cell surface markers	660/20		650 LP
405 nm				
CFP, BD Horizon V450, BD Horizon Brilliant Violet 421, DAPI	Fluorescent protein, cell surface markers, live/dead discrimination	450/50	480 LP	420 LP
BD Horizon V500, BD Horizon Brilliant Violet 510	Cell surface markers	520/35		

### 3-laser, 3-2-1 color configuration (655488 – 100/120 VAC, 655489 – 220/240 VAC)

488 nm				
FITC, BD Horizon Brilliant Blue 515, GFP	Cell surface markers, fluorescent protein	530/40	550 LP	505 LP
PE, PI	Cell surface markers, live/dead discrimination, cell cycle	585/29	610 LP	
PerCP-Cy5.5, PE-Cy7	Cell surface markers	670 LP		
640 nm				
APC	Cell surface markers	660/20	700 LP	650 LP
APC-Cy7, APC-H7	Cell surface markers	750 LP		
405 nm				
CFP, BD Horizon V450, BD Horizon Brilliant Violet 421, DAPI	Fluorescent protein, cell surface markers, live/dead discrimination	450/50		420 LP

LP = Longpass Filter

Class 1 Laser Product.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

APC-Cy7: US patent number 5,714,386

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