

# BD Accuri™ C6 Flow Cytometer

## Optical Filter Guide

### Recommended optical choices for common fluorophores

Dyes	Laser	Standard Filters	Detector	Optional Filters <sup>2</sup>
FITC, BD Horizon Brilliant™ Blue 515, Alexa Fluor® 488, CFSE	488 nm	533/30	FL1	—
GFP <sup>3</sup>	488 nm	533/30	FL1	510/15
YFP <sup>3</sup>	488 nm	533/30	FL1	540/20
PE	488 nm	585/40	FL2	—
OFP	488 nm	585/40	FL2	565/20
PI	488 nm	585/40, 670 LP	FL2, FL3	610/20, 630/30 <sup>4</sup>
BD Horizon™ PE-CF594	488 nm	670 LP	FL3	610/20, 630/30 <sup>4</sup>
RFP <sup>3</sup>	488 nm	670 LP	FL3	610/20, 630/30 <sup>4</sup>
PerCP, PE-Cy™5	488 nm	670 LP	FL3	675/25 <sup>5</sup>
PerCP-Cy™5.5	488 nm	670 LP	FL3	—
PE-Cy™7	488 nm	670 LP	FL3	780/60
7-AAD	488 nm	670 LP	FL3	675/25, 630/30 <sup>4</sup>
APC, Alexa Fluor® 647	640 nm	675/25	FL4	670 LP <sup>5</sup>
APC-H7, APC-Cy7	640 nm	670 LP	FL4	780/60 <sup>5</sup>

### Filter options for alternate laser configurations *Standard: 3-blue 1-red*

Detector Position	Laser <sup>1</sup>	Filter Options <sup>2</sup>	Example Fluorophores
FL1	488 nm	533/30 or 530/30	FITC, BD Horizon Brilliant Blue 515, Alexa Fluor® 488, CFSE, GFP, YFP
		510/15	GFP
FL2	488 nm	585/40	PE, PI, PE-CF594
		540/20	YFP
FL3	488 nm	670 LP	PerCP, PE-Cy5, PerCP-Cy5.5, PE-Cy7, PI, 7-AAD
		610/20	RFP, PI, PE-CF594
FL4	640 nm	675/25	APC, Alexa Fluor® 647

### Filter options for alternate laser configurations *2-blue 2-red<sup>1</sup>*

Detector Position	Laser <sup>1</sup>	Filter Options <sup>2</sup>	Example Fluorophores
FL1	488 nm	533/30 or 530/30	FITC, BD Horizon Brilliant Blue 515, Alexa Fluor® 488, CFSE, GFP, YFP
		510/15	GFP
FL2	488 nm	585/40	PE, PI, PE-CF594
		540/20	YFP
FL3 or FL4	640 nm	780/60	APC-H7, APC-Cy7
FL3 or FL4	640 nm	675/25	APC, Alexa Fluor® 647

<sup>1</sup>The standard configuration of the BD Accuri C6 (as shipped) is "3-blue 1-red" with the 533/30 (formerly 530/30) filter in FL1, 585/40 in FL2, 670 LP in FL3, and 675/25 in FL4. Additional laser configurations (2-blue 2-red, 4-blue) are available with the Selectable Lasers Module (Cat. No. 653126). Other application-specific lasers are available through the special order program.

<sup>2</sup>All non-standard optical filters listed are available either as part of the Selectable Lasers Module and/or for individual sale at [bdbiosciences.com](http://bdbiosciences.com). See Ordering Information.

<sup>3</sup>See the BD Biosciences technical bulletin, *Optical filter guidelines for fluorescent protein analysis with the BD Accuri™ C6 flow cytometer*, August 2011, available at [bdbiosciences.com](http://bdbiosciences.com) under Resources > BD Accuri™ C6 System > Tools.

<sup>4</sup>This filter transmits red laser light, which may damage the detector. Use only when the instrument is in the 4-blue configuration of the Selectable Lasers Module.

<sup>5</sup>Standard filter in alternate position.



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### Filter options for alternate laser configurations *4-blue*<sup>1</sup>

Detector Position	Laser <sup>1</sup>	Filter Options <sup>2</sup>	Example Fluorophores
FL1	488 nm	533/30 or 530/30	FITC, BD Horizon Brilliant Blue 515, Alexa Fluor® 488, CFSE, GFP, YFP
		510/15	GFP
FL2	488 nm	585/40	PE, PI, PE-CF594
		540/20	YFP
FL3	488 nm	675/25	PE-Cy5, PerCP-Cy5.5
		675/25	RFP, PI, PE-CF594
FL3 or FL4	488 nm	630/30	PI, PE-CF594
		780/60	PE-Cy7

### Ordering Information

Description	Cat. No.
Optical Filter 510/15	653184
Optical Filter 540/20	653528
Optical Filter 565/20	653185
Optical Filter 610/20	653186
Optical Filter 780/60	653187
<b>Selectable Lasers Module containing:</b>	
Activation Key	653126
Optical Filter 780/60	
Optical Filter 610/20	
Optical Filter 630/30	

Class 1 Laser Product.

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

APC-Cy7: US Patent No. 5,714,386

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