

BD Accuri™ C6 Plus Flow Cytometer

Optical Filter Guide

Recommended optical choices for common fluorochromes/dyes				
Fluorochromes/Dyes	Laser	Standard Filters	Detector	Optional Filters ²
FITC, BD Horizon Brilliant™ Blue 515, Alexa Fluor® 488, CFSE	488 nm	533/30	FL1	—
GFP ³	488 nm	533/30	FL1	510/15
JC-1, Fluo-4 AM, SYBR® Green	488 nm	533/30	FL1	—
YFP ³	488 nm	533/30	FL1	540/20
PE, JC-1, MitoStatus TMRE	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 ⁴
BD Horizon™ PE-CF594	488 nm	670 LP	FL3	610/20, 630/30 ⁴
RFP ³ , mCherry, dsRed	488 nm	670 LP	FL3	610/20, 630/30 ⁴
PerCP, PE-Cy™5	488 nm	670 LP	FL3	675/25 ⁵
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 ⁴
APC, Alexa Fluor® 647, MitoStatus Red	640 nm	675/25	FL4	670 LP ⁵
APC-H7, APC-Cy7	640 nm	670 LP	FL4	780/60 ⁵

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

Detector Position	Laser ¹	Filter Options ²	Example Fluorochromes/Dyes
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-red¹*

Detector Position	Laser ¹	Filter Options ²	Example Fluorochromes/Dyes
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

¹The standard configuration of the BD Accuri C6 Plus (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. 661085). Other application-specific lasers are available through the special order program.

²All non-standard optical filters listed are available either as part of the Selectable Lasers Module and/or for individual sale at bdbiosciences.com. See Ordering Information.

³See the BD Life Sciences technical bulletin *Optical filter guidelines for fluorescent protein analysis with the BD Accuri™ C6 flow cytometer* (applies to both the BD Accuri™ C6 and C6 Plus). To find it online, please go to bdbiosciences.com.

⁴This 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.

⁵Standard filter in alternate position.



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Filter options for alternate laser configurations *4-blue*¹

Detector Position	Laser ¹	Filter Options ²	Example Fluorochromes/Dyes
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
Selectable Lasers Module containing:	
Activation Key	661085
Optical Filter 780/60	
Optical Filter 610/20	
Optical Filter 630/30	

Class 1 Laser Product.

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