



FACS Aria IIIu Cell Sorter Configuration

In this cytometer long wavelengths *pass* through a Long Pass (LP) filter into a Band Pass (BP) filter and then enter the detector.

Laser 488 nm			
	Optical filters		
Position	Long Pass (LP)	Band Pass (BP)	Commonly used fluochromes
A	655LP	695/40	PE-Cy5, Pe-Cy5.5, PerCP, PerCP-Cy5.5, 7-AAD
B	502LP	530/30	AF488, FITC, GFP, CFSE, YFP, Calcein
c	N/A	488/10	SSC

Laser 633 nm			
	Optical filters		
Position	Long Pass (LP)	Band Pass (BP)	Commonly used fluochromes
A	750LP	785/60	APC-Cy7, APC-H7
B	685LP	720/40	AF700
C	N/A	662/20	AF647, APC, Cy5, To-PRO-3

Laser 561 nm			
	Optical filters		
Position	Long Pass (LP)	Band Pass (BP)	Commonly used fluochromes
A	735LP	780/60	PE-Cy7
B	630LP	670/14	7AAD, PE-Cy5, mRaspberry
C	600LP	610/20	TexasRed, PI, RFP, mCherry, mStrawberry, AF594
D	N/A	582/15	DsRed, Cy3, PE

Laser 405 nm Default configuration Please verify filters in place			
	Optical filters		
Position	Long Pass (LP)	Band Pass (BP)	Commonly used fluochromes
A	735LP	780/60	BV786
B	595LP	660/40	BV650
C	502LP	530/30	AF430, AmCyan, Pac Orange, BV510, Horizon V500
D	N/A	450/40	AF405, CFP, Hoechst 33258, Pacific Blue, BV421

Laser 375 nm Custom configuration Please verify filters in place			
	Optical filters		
Position	Long Pass (LP)	Band Pass (BP)	Commonly used fluochromes
A	610LP	670LP	Hoechst Red, BUV737, BUV805
B	N/A	450/20	Cascade Blue, DAPI, Hoechst, EBFP

BV = Brilliant Violet

AF = Alexa Fluor