

# FACSCelesta Optical Configuration

## Blue Laser – 488 nm excitation 20mW

Channel	Bandpass	Dichroic	Fluorochromes			
A	780/60	750LP	PE-Cy7			
B	695/40	670LP	PerCP-Cy5.5	PerCP-eFluor 710	BB700	7AAD
			* not ideal for detection of PerCP			
C	575/25	550LP	PE			
D	530/30	505LP	FITC	BB515	AF 488	GFP YFP CFSE
E	488/10	blank	SSC			

## Red Laser – 640 nm excitation 40mW

Channel	Bandpass	Dichroic	Fluorochromes		
A	780/60	750LP	APC-Cy7	APC-eFluor 780	APC-H7
B	730/45	690LP	Alexa Fluor 700	APC-R700	
C	670/30	blank	APC	eFluor 660	Alexa Fluor 647

## Violet Laser – 405 nm excitation 50 mW

Channel	Bandpass	Dichroic	Fluorochromes			
A	780/60	750LP	BV786			
B	670/30	655LP	BV650			
C	610/20	595LP	BV605	Super Bright 600		
E	525/50	505LP	BV510	V500	mAmetrine	LIVE/DEAD Aqua eFluor 506
G	450/40	blank	Pacific Blue	BV421	eFluor 450	V450
			CFP	CellTrace Violet	Super Bright 436	