

CSCI SORP FACS Aria Filters and Fluorophore Guide

Laser	Detector	Dichroic	Bandpass	Detector Name	Fluorophores
355 nm UV 60 mW	A	690 LP	740/35	UV A	BUV 737
	B	450 LP	515/30	UV B	BUV 496
	C	X	379/28	UV C	BUV 395
405 nm Violet 100 mW	A	750 LP	780/60	V780	BV 786
	B	695 LP	710/50	V710	BV 711
	C	635 LP	670/30	V670	BV 650
	D	595 LP	610/20	V610	BV 605
	E	495 LP	525/50	V525	BV 510 Zombie Aqua CFP
	F	X	450/50	V450	BV 421 Pacific Blue V450 SYTOX Blue DAPI (viability) Zombie Violet
488 nm Blue 100 mW	A	685 LP	695/40	B695	PerCP-Cy5.5 PE-Cy5.5 PerCP-eFluor 710 BB700
	B	505 LP	530/30	B530	FITC Alexa 488 BB515 GFP YFP CFSE SYTOX Green Zombie Green
	C	X	488/10	SSC	Side Scatter
561 nm Yellow-green 100 mW	A	750 LP	780/60	Y780	PE-Cy7
	B	635 LP	670/30	Y670	PE-Cy5 7-AAD
	C	595 LP	610/20	Y610	PE-Texas Red PE-CF594 PE-Dazzle 594 Propidium Iodide mCherry
	D	X	586/15	Y585	PE dsRed tdTomato SYTOX Orange
637 nm Red 140 mW	A	750 LP	780/60	R780	APC-Cy7 APC-Fire 750 APC-eFluor 780 APC-H7 Zombie NIR
	B	685 LP	730/45	R730	Alexa 700 APC-R700
	C	X	670/30	R670	APC Alexa 647 SYTOX Red

Additional filters available for UV detection path to measure DAPI (cell cycle), Hoechst blue, and Hoechst red emission.