

Fortessa X20c - Fluorescence Detection Map

Fluorochromes (common examples)	Detector Name	Filter Range	Laser Wavelength
			Ultraviolet (355 nm)
BUV395	UV379	379/28	
BUV496	UV525	525/50	
			Violet (405 nm)
BV421, Pacific Blue, DAPI	V450	450/50	
Pacific Orange, BV510	V525	525/50	
BV605	V610	610/20	
BV650	V670	670/30	
BV711	V710	710/50	
BV785	V780	780/60	
			Blue (488 nm)
FITC, GFP, AF488	B530	530/30	
PI, 7aad, PerCP-Cy5.5	B710	710/50	
			Yellow Green (561 nm)
PE, RFP, tomato, DsRed	YG586	586/15	
mCherry	YG610	610/20	
PECy5	YG670	670/30	
PECy5.5	YG710	710/50	
PECy7	YG780	780/60	
			Red (628 nm)
APC, AF647	R670	670/30	
AF700	R730	730/45	
APCCy7, APCH7, APC-Fire	R780	780/60	

This fluorochrome list is by no means comprehensive.

Check your product data sheets for your fluorochrome stock for excitation and emission information, and for peak values and ranges.

Please be conscious that detectors and filters may differ across machines, and will be different from detectors used in the sorting lab.