

## Fortessa X20a - Fluorescence Detection Map

Fluorochromes (common examples)	Detector Name	Filter Range	Laser Wavelength
			<b>Violet (405 nm)</b>
BV421, Pacific Blue, DAPI	V450	450/50	
Pacific Orange, BV510	V530	530/30	
BV605	V610	610/20	
BV650	V670	670/30	
BV711	V710	710/50	
BV785	V780	780/60	
			<b>Blue (488 nm)</b>
FITC, GFP, AF488	B530	530/30	
PI, 7aad, PerCP-Cy5.5	B695	695/40	
	B780	780/60	
			<b>Yellow Green (561 nm)</b>
PE, RFP, tomato, DsRed	YG586	586/15	
mCherry	YG610	610/20	
PECy5	YG670	670/30	
PECy5.5	YG710	710/50	
PECy7	YG780	780/60	
			<b>Red (628 nm)</b>
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.