

### **BD LSRFortessa X-20 Detector Guide**

<b>Laser Wavelength</b>	<b>Filter</b>	<b>Mirror</b>	<b>Frequently Used Fluorochromes</b>
<b>Blue 488 nm</b>			
	488/10	-	SSC
	530/30	505 LP	FITC, GFP, A488, CFSE, BB515
	710/50	685 LP	PI, PerCP, PerCP-eF710, 7AAD
<b>Red 640 nm</b>			
	670/30	-	APC, A647, Cy5
	730/45	690 LP	A680, A700
	780/60	750 LP	APC-Cy7, APC-eF780, APC-Fire 780
<b>Yellow Green 561 nm</b>			
	586/15	-	PE, A546, RFP, DS-Red, dTomato
	610/20	600 LP	PE-CF594, PE-TexRed, A594, mCherry, PI
	675/50	635 LP	PE-Cy5, PE-Cy5.5, PI
	780/60	750 LP	PE-Cy7, PE-Vio 770, PE-A750, QD800
<b>Ultra Violet 355 nm</b>			
	379/28	-	BUV395, eF455UV, Hoechst, DAPI, A350
	525/50	505 LP	BUV496, QD525
	740/35	690 LP	BUV737, QD800
<b>Violet 405 nm</b>			
	450/50	-	BV421, Pac Blue, Sytox Blue, e450
	525/50	505 LP	BV500, BV510, Aqua, Pac Orange
	610/20	600 LP	BV605, eF605, QD605
	670/30	635 LP	BV650, QD655
	710/50	685 LP	BV711, QD705
	780/60	750 LP	BV785, QD800

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 on the cell sorters.