

## LSR2a - Fluorescence Detection Map

Fluorochromes (common examples)	Detector Name	Filter Range	Laser Wavelength
			<b>Violet (405 nm)</b>
BV421, Pacific Blue, DAPI	V460	450/50	
Pacific Orange, BV510	V560	525/50	
BV605	V610	610/20	
BV650	V660	670/30	
BV711	V710	710/50	
			<b>Blue (488 nm)</b>
FITC, GFP, AF488	B525	530/30	
PI, 7aad, PerCP-Cy5.5**	B670	710/50	
			<b>Yellow Green (561 nm)</b>
PE, RFP, tomato, DsRed	YG585	582/15	
mCherry	YG610	610/20	
PECy5	YG660	670/30	
PECy5.5	YG710	710/50	
PECy7	YG780	780/60	
			<b>Red (628 nm)</b>
APC, AF647	R660	670/30	
AF700	R710	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.