

## LSR2b - Fluorescence Detection Map

Fluorochromes (common examples)	Detector Name	Filter Range	Laser Wavelength
			<b>Ultraviolet (355 nm)</b>
BUV395	UV379	379/34	
BUV496	UV525	525/50	
BUV737	UV735	735/56	
			<b>Violet (405 nm)</b>
BV421, Pacific Blue, DAPI	V450	450/50	
Pacific Orange, BV510	V525	525/50	
BV605	V610	610/20	
BV650	V650	650/20	
BV711	V705	705/40	
			<b>Blue (488 nm)</b>
FITC, GFP, AF488	B540	540/30	
PI, 7aad, PerCP-cy5.5	B670	670/30	
			<b>Yellow Green (561 nm)</b>
PE, RFP, tomato, DsRed	YG582	582/15	
mCherry	YG610	610/20	
PECy5.5	YG710	710/50	
PECy7	YG780	780/60	
			<b>Red (628 nm)</b>
APC, AF647	R660	660/20	
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.

BUV, UV, and Blue filters may be changed to accommodate different fluorochromes eg BV785, BUV805, Hoechst, PerCP-cy5.5. Filters **MUST** be put back to original configuration.

**The use of this machine is restricted to those who have done a CSIRO approved laser training course.**