

# Filter and Fluorochrome List for the Accuri<sup>®</sup> C6 Flow Cytometer<sup>®</sup> System

©January, 2010

## Standard Filters

FL1 530 +/- 15nm
FL2 585 +/- 20 nm
FL3 670nm LP
FL4 675 +/- 12.5 nm

## Optional Filters (other)

FL1 510 +/- 7.5 nm
FL2 565 +/- 10 nm
FL3 610 +/- 10 nm
FL4 780 +/- 30 nm

## Fluorescent Protein Filters

(for simultaneous GFP/YFP detection)

510 +/- 7.5 nm
540 +/- 15nm
670nm LP
675 +/- 12.5 nm

**Fluorochrome list:** These fluorochromes have all been used successfully on the C6.

Laser	Detector	Fluorochrome	Notes
488	FL1	FITC	
	530 BP	GFP / eGFP/YFP/mCitrine CFSE/CFDA Alexa Fluor 488 Fluo-3 Qdot 525 JC1 DCFH	Membrane potential, Mitochondria
488	FL2	PE	
	585 BP	PI (propidium iodide) dsRed, dTomato, OFP SNARF TMRM Acridine Orange Qdots 585/ 605/ 665 Tetramethylrhodamine JC1	pH indicator Mitochondrial activity Membrane potential, Mitochondria
488	FL3	eYFP, mCitrine	
	565 BP	OFP	
488	FL3	PerCP	Dim signals may be a problem
	670 LP	PerCP-Cy5.5 PE-Cy5.5 PE-Cy7 PE-CY5 Red613/PE-TxRd Q Dot 705 7AAD / PI mCherry/RFP Mitotracker Red PI/PE-TxRd	BEWARE! Lots of bleed into FL4 (may overwhelm dim APC signals)
640	FL4	APC	
	675 BP	Alexa Fluor 647/660/700	
	780 BP	APC-Cy7	