

Filter and Fluorochrome List for the Accuri C6 Flow Cytometer® System

As of: January 1, 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, either by customers or Accuri scientists.

Laser	Detector	Fluorochrome	Notes	
488	FL1 530 BP	FITC		
		GFP / eGFP/YFP/mCitrine		
		CFSE/CFDA		
		Alexa Fluor 488		
		Fluo-3		
		Qdot 525		
		JC1	Membrane potential, Mitochondria	
		DCFH		
		eGFP		
		510 BP	510 BP	
488	FL2 585 BP	PE		
		PI (propidium iodide)		
		dsRed, dTomato, OFP		
		SNARF	pH indicator	
		TMRM	Mitochondrial activity	
		Acridine Orange		
		Qdots 585/ 605/ 665		
		Tetramethylrhodamine		
		JC1	Membrane potential, Mitochondria	
		540 BP	540 BP	
488	FL3 670 LP	eYFP, mCitrine		
		OFP		
		PerCP	dim signals may be a problem	
		PerCP-Cy5.5		
		PE-Cy5.5		
		PE-Cy7		
		PE-CY5	BEWARE! Lots of bleed into FL4 (may overwhelm dim APC signals)	
		Red613/PE-TxRd		
		Q Dot 705		
		7AAD / PI		
640	FL4 675 BP	mCherry/RFP		
		Mitotracker Red		
		PI/PE-TxRd		
		610 BP	610 BP	
		APC		
		Alexa Fluor 647/660/700		
		780 BP	780 BP	
		APC-Cy7		