

Faculty of Medicine Flow Cytometry Facility - BD FACS Aria IIIu Detector Configuration

Lasers	Filter	Fluorophore
405 nm (Violet)	450/50	Alexa Fluor® 405, Pacific Blue™, DyLight® 405, eFluor® 450, Brilliant Violet 421™ (BV421™), Phalloidin, VioletFluor™ 450, LIVE/DEAD® Fixable Violet, DAPI, SYTOX®Blue , Zombie Violet™ Fixable (Viability), Dye Cytle Violet, FxCycle FVS 450, VioletCyan Fluorescent Protein (CFP), Tag-BFP, Cerrulean
	530/30	AF430, Qdot®525, BV510™ , Pacific Green™, LIVE/DEAD® Fixable Aqua, DAPI, SYTOX® Blue Dead Cell Stain, Zombie Aqua™ Fixable (viability), Cyan Fluorescent Protein (CFP)
	610/20	EviTag® quantum dots - Fort Orange (600 nm), Qdot® 585, Qdot® 605, eFluor® 605NC, Qdot® 625, Pacific Orange™, Cascade Yellow®, Brilliant Violet 605™ (BV605™), Zombie Yellow™ Fixable, LIVE/DEAD® Fixable Yellow
	655/20	Qdot® 655, eFluor® 650NC, Brilliant Violet 650™ (BV650™)
	710/50	Qdot® 705, Brilliant Violet 711™ (BV711™)
	780/60	Qdot® 800, Brilliant Violet 785™ (BV785™)
488 nm (Blue)	530/30	FITC, GFP, Alexa 488, Cy-2, Sytox Green, YFP, BB515, Live-Dead Fixable Green, Venus,Dye Cycle Green, TurboYFP/GFP, Rh123, CFSE, DyLight 488, VioBright FITC
	695/40	PerCPCy5.5, Propidium Iodide (PI) , 7-AAD, SYTOX Advanced Dead cell stain, PerCP-eFluor 710, BB700
561 nm (Yellow-Green)	582/15	Alexa Fluor® 546, Cy3™, PE, Rhodamine, Alexa Fluor® 568, Rhodamine Red-X, Rhodamine Red™, HiLyte Fluor™ 555, RD1 (Phycoerythrin), eFluor® 585NC
	610/20	Alexa Fluor® 568, PE-Texas Red (ECD), Alexa Fluor® 594, Rhodamine Red-X, Texas Red, eFluor® 605NC, PE-Alexa Fluor™ 610, Rhodamine Red™, PE-Dylight® 590, eFluor® 615, PE-Dazzle™ 594
	670/14	PE-Cy5.5, PE-Cy7 Propidium Iodide (PI) , 7-AAD, SYTOX Advanced Dead cell stain, PerCP-eFluor 710,
	780/60	PE-Cy7
633 nm (Red)	670/30	APC, Alexa® 633, AF® 635, Alexa® 647, APC, APC-Cy5™, Atto 647, Cy5™, DyLight® 647, Atto 655, DyLight® 633, DyLight® 649, HiLyte Fluor™ 647, DyLight® 650, Atto 633, Atto 647N, TO-PRO®-3, DRAQ5™ (DNA dye), DRAQ7™ (DNA dye), SYTOX® Red Dead Cell Stain, Cy5
	720/40	AF® 680, AF® 700, Atto 700, DyLight® 680, APC-AF® 700, RedFluor™ 710, DRAQ5™ (DNA dye), DRAQ7™ (DNA dye), APC-R700
	780/60	Alexa Fluor® 750, APC-Cy7™, Cy7™, DyLight® 750, APC-Alexa Fluor® 750, APC-eFluor® 780, APC-H7, HiLyte Fluor™ 750, APC-C750, DyLight® 755,(DNA dye), APCFire-750, Zombie NIR™ Fixable (viability), LIVE/DEAD®