

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

Lasers	Filter	Fluorophore
<b>488 nm (Blue)</b>	530/30	FITC, GFP, Alexa 488, Cy-2, Sytox Green, YFP, BB515, Live-Dead Fixable Green, Venus
	576/26	PE, DS Red, tdTomato
	610/20	PE-Texas Red, PE-CF594, PE-Dazzle, PE-Alexa 610, PI, 7-AAD
	695/40	PE-Cy5.5, PerCPCy5.5, Propidium Iodide (PI) , 7-AAD, SYTOX Advanced Dead cell stain, PerCP-eFluor 710,
	780/60	PE-Cy7, PE-Alexa Fluor 750
<b>633 nm (Red)</b>	670/30	Alexa Fluor® 633, Alexa Fluor® 635, Alexa Fluor® 647, Alexa Fluor® 647-PE, Alexa Fluor® 660, APC, APC-Cy5™, Atto 647, Cy5™, DyLight® 647, Dyomics 647 (DY-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
	720/40	Alexa Fluor® 680, Alexa Fluor® 680-APC, Alexa Fluor® 680-PE, Alexa Fluor® 700, Atto 700, DyLight® 680, APC-Alexa Fluor® 680, APC-Alexa Fluor® 700, RedFluor™ 710, DRAQ5™ (DNA dye), DRAQ7™ (DNA dye), Zombie NIR™ Fixable (viability)
	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), Zombie NIR™ Fixable (viability), LIVE/DEAD®
<b>405 nm (Violet)</b>	450/50	Alexa Fluor® 405, Pacific Blue™, Atto 390, Atto 425, DyLight® 405, eFluor® 450, Brilliant Violet 421™ (BV421™), Phalloidin, CF405M, violetFluor™ 450, LIVE/DEAD® Fixable Violet, DAPI, SYTOX®Blue Dead Cell Stain, Zombie Violet™ Fixable (Viability), Cyan Fluorescent Protein (CFP), Tag-BFP, Cerrulean
	530/30	Alexa Fluor® 430, EviTag® quantum dots - Adirondack Green (520 nm), EviTag® quantum dots - Catskill Green (540 nm), Qdot®525, Orange Cytognos 515™ (OC-515), Krome Orange™, Brilliant Violet 510™ (BV510™), Pacific Green™, 7C, LIVE/DEAD® Fixable Aqua, DAPI, SYTOX® Blue Dead Cell Stain, Zombie Aqua™ Fixable (viability), Cyan Fluorescent Protein (CFP)
	660/40	Qdot® 655, eFluor® 650NC, Brilliant Violet 650™ (BV650™)
	(600/20)*	Alexa Fluor® 430, EviTag® quantum dots - Fort Orange (600 nm), Qdot® 605, eFluor® 605NC, Cascade Yellow®, Brilliant Violet 605™ (BV605™), Zombie Yellow™ Fixable, LIVE/DEAD® Fixable Yellow

**This instrument is NOT equipped with a Green or Yellow-Green laser and cannot excite fluorescent molecules like RFP, or mCherry. If cultures express these molecules, please request sorting time on the BD Influx.**

**\* This instrument has interchangeable filters and can be reconfigured to detect new fluorescent molecules provided that they are excited by the installed laser options. Example, GFP and YFP can be detected simultaneously or BV605 can be detected with BV650, if required.**

**Speak with an operator about your requirements.**