





Analyzers

Aurora	(Cytek Biosciences)
	<p>The Aurora is a spectral cytometer equipped with 5 lasers (355, 405, 488, 561, and 640 nm), 64 fluorescence channels and 3 light scatter detectors (FSC, SSC blue and SSC violet). Since practically any fluorochrome with emission ranging between 365 and 830 nm can be detected on these instruments, we do not list here a table of fluorochromes.</p>


CytoFLEX LX	(Beckman Coulter)			
	Laser	Ex (nm)	Em (nm)	Fluorochromes
	UV	355	405/30	BUV395
	UV	355	450/45	AF350, DAPI, Hoechst blue, L/D blue, Zombie UV
	UV	355	819/44	BUV805
	Violet	405	450/45	AF405, BV421, Ghost Dye Violet Live/Dead Fix, V450, eFluor 450, Pacific Blue, SSB436
	Violet	405	525/40	Ghost Dye Aqua, BV510, AmCyan, Qdot 525, V500, VioGreen
	Violet	405	610/20	BV605, SB600, Qdot 605, SB605
	Violet	405	660/10	BV650, SB645, Qdot 655
	Violet	405	710/50	BV711, SB702
	Violet	405	763/43	BV785, BV786, SB780
	Blue	488	525/40	FITC, AF488, GFP, CFSE, Fluo-4, Vio515, VioVright FITC, Zombie Green
	Blue	488	610/20	MitoSOX red, PE-CF594, PE-Texas Red, PI
	Blue	488	690/50	PerCP, PerCP-Cy5.5, PerCP-Vio700, PE-Cy5, PI
	Yellow-Green	561	585/42	AF590, PE, dTomato, RFP, dsRed, mOrange
	Yellow-Green	561	610/20	7-AAD, mCherry, PE-CF594, PE-Dazzle 594, PE-eFluor 610, PE-Texas Red, PI
	Yellow-Green	561	675/30	PE-Cy5, mPlum, PE-AF647, PC5, PerCP-Cy5.5, PerCP
	Yellow-Green	561	710/50	PE-Cy5.5, PE-AF680, PC5.5
	Yellow-Green	561	763/42	PE-Cy7, PC7, PE-Vio615
	Red	638	660/10	APC, AF647, DRAQ5, eFluor 660, DyLight 594
Red	638	712/25	AF680, AF700, APC-R700	
Red	638	763/42	APC-Cy7, APC-H7, APC-Fire750, APC-AF750, DRAQ7	
Infrared	808	840/20	AF750, AF790, IRDye 800CW, CF790	
Infrared	808	885/40	PromoFluor-840, ViaKrome 808	

LSR II	(BD Biosciences)			
	Laser	Ex (nm)	Em (nm)	Fluorochromes
	UV	355	379/28	BUV395
	UV	355	450/50	DAPI, L/D blue, Zombie UV, Hoechst 33342
	UV	355	820/60	BUV805
	Violet	405	440/40	Pacific Blue, BV421, eFluor450, SB436
	Violet	405	525/50	L/D Aqua, BV510, AmCyan
	Violet	405	610/20	BV605, SB600
	Violet	405	710/50	BV711, SB702
	Violet	405	780/60	BV786, SB780
	Blue	488	525/50	FITC, AF488, GFP, CFSE, ATTO 488, BB515, Cy2, DyLight 488, NL 493, Vio488, Vio515, VioBright 515, VioBright FITC
	Blue	488	575/26	PE
	Blue	488	610/20	DsRed, PI, PE-Texas Red, Dox, PE-CF594, JC-1 red
	Blue	488	660/20	PE-Cy5, 7-AAD
	Blue	488	685/35	PerCP, BB700

Blue	488	710/50	Per-CP Cy5.5
Blue	488	780/60	PE-Cy7
Red	633	660/20	APC, AF647, DRAQ5, Cy5
Red	633	710/50	AF700, APC-R700
Red	633	780/60	APC-Cy7, APC-H7, APC-Fire750, APC-eFluor 780, DRAQ7

Canto II		(BD Biosciences)		
Laser	Ex (nm)	Em (nm)	Fluorochromes	
	Violet	407	405/50	AF405, BV421, CFP, CF405M, DAPI, DyLight 405, eFluor 450, H033342, Hoechst, Pacific Blue, SuperBright 436, V450, VioBlue
	Violet	407	510/50	Alexa Fluor 430, AmCyan, Brilliant Violet 510, DyLight 405LS, V500, VioGreen
	Blue	488	530/30	Alexa Fluor 488, ATTO 488, BB515, Cy2, DyLight 488, FITC, Fluorescein, GFP, NL 493, Vio488, Vio515, VioBright 515, VioBright FITC
	Blue	488	585/42	DsRed, PE, PE-Texas Red
	Blue	488	670LP	7-AAD, BB700, CyTRAK Orange, PE-Cy5, PerCP, PerCP-Cy5, PerCP-Cy5.5, PerCP-eFluor 710, PerCP-Vio700
	Blue	488	780/60	PE-Cy7, PE-Vio770
	Red	633	660/20	Alexa Fluor 647, APC, Cy5, DyLight 633, NL 637
	Red	633	780/60	Alexa Fluor 750, APC-Cy7, APC-Fire 750, APC-H7, APC-Vio770, APC-Alexa 750, APC-eFluor 780

Cell Sorters

Symphony S6		(BD Biosciences)		
Laser	Ex (nm)	Em (nm)	Fluorochromes	
	UV	355	379/28	BUV395
	UV	355	450/50	DAPI, Hoescht, ZombieUV
	UV	355	515/30	BUV496
	UV	355	586/15	BUV563
	UV	355	610/20	BUV615
	UV	355	670/30	BUV661, Hoescht Red
	UV	355	740/35	BUV737
	UV	355	820/60	BUV805
	Violet	405	431/28	BV421, V450, BFP, eF450, Pacific Blue
	Violet	405	525/50	BV510, V500
	Violet	405	586/15	BV570
	Violet	405	610/20	BV605
	Violet	405	670/30	BV650
	Violet	405	710/50	BV711
	Violet	405	750/30	BV750
	Violet	405	780/60	BV786
	Blue	488	515/20	BB515, FITC, GFP, AF488, YFP, CFSE
	Blue	488	610/20	BB630, PI
	Blue	488	670/30	BB660, 7-AAD
	Blue	488	710/50	BB700, PerCP Cy5.5, PerCP
	Blue	488	750/30	BB750
	Blue	488	780/60	BB790
	Yellow-Green	561	586/15	PE 570, DsRed, RFP, tdTomato, PE
	Yellow-Green	561	610/20	mCherry, mStrawberry, mRaspberry, PE-Texas Red, PI
	Yellow-Green	561	670/30	PE-Cy5, 7-AAD, mPlum
	Yellow-Green	561	710/50	PE Cy5.5,
	Yellow-Green	561	780/60	PE-Cy7
	Red	637	670/30	APC, AF647, Cy5
	Red	637	710/50	AF700, APC-R700
	Red	637	780/60	APC-Cy7, APC-H7