

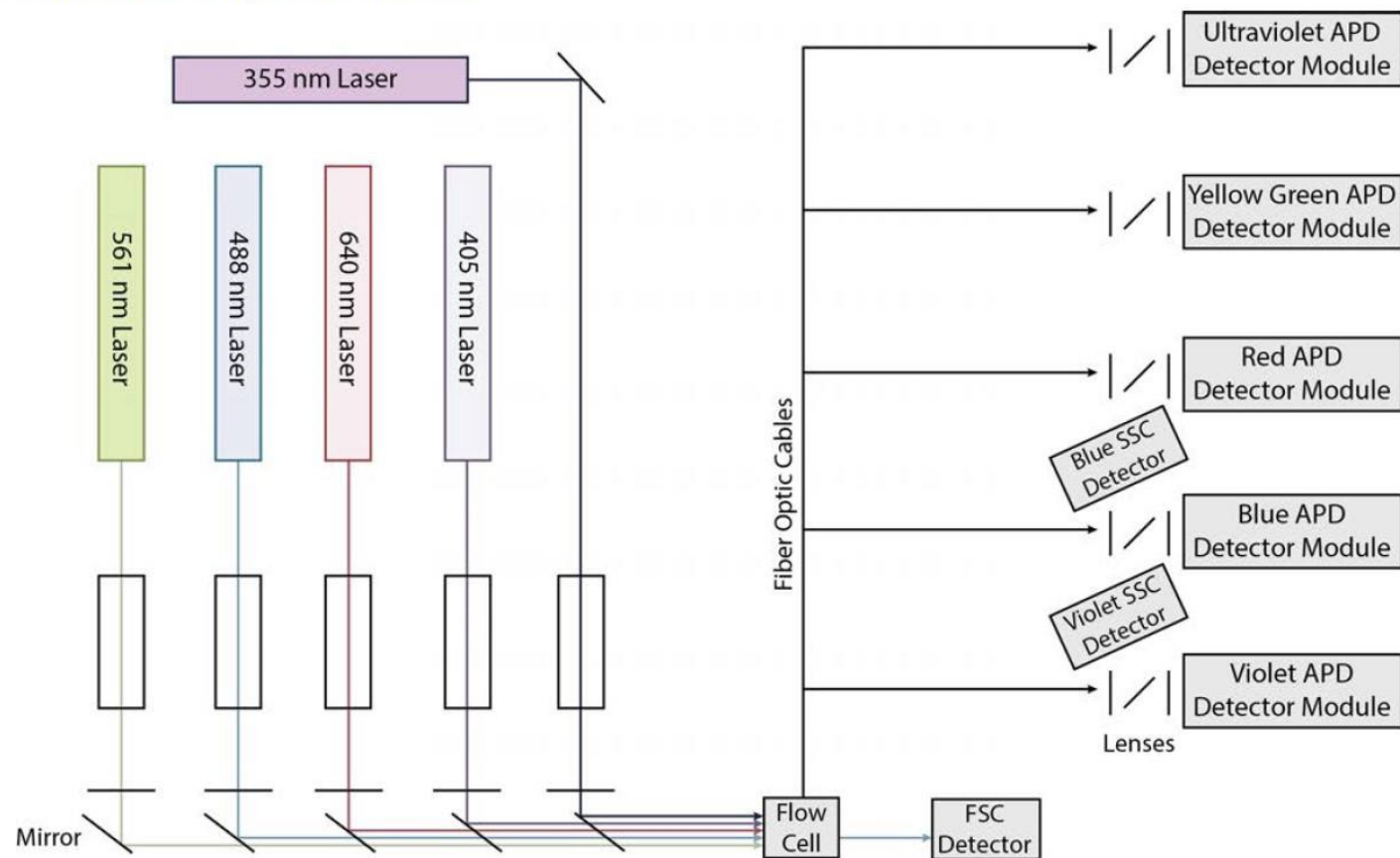
Cytek Aurora Spectral Analyzer

Laser	Channel	Bandpass Filter (nm)	Fluorochromes
Ultraviolet 355nm	UV1	373/15	Spark UV 387
	UV2	388/15	BUV395, StarBright UV400
	UV3	428/15	
	UV4	443/15	FVS440UV
	UV5	458/15	
	UV6	473/15	Alexa Fluor 350, StarBright UV 445, Live/Dead Blue
	UV7	514/28	BUV496, StarBright UV 510, DAPI
	UV8	542/28	
	UV9	582/31	BUV563, StarBright UV 575
	UV10	613/31	BUV615, StarBright UV 605
	UV11	664/27	BUV661, StarBright UV 665
	UV12	692/28	
	UV13	720/29	
	UV14	750/30	BUV737, StarBright UV 740
	UV15	780/30	
	UV16	812/34	BUV805, StarBright UV 795
Violet	V1	428/15	BV421
405nm	V2	443/15	SuperBright 436, Alexa Fluor 405, Vio Bright V423, Spark Violet 423, StarBright Violet 440
	V3	458/15	eF450, V450, Pacific Blue, vF450, VioBlue, eBFP, eBFP2
	V4	473/15	SYTOX Blue
	V5	508/20	BV480, V500, Spark Violet 500, StarBright Violet 475
	V6	525/17	StarBright Violet 515, mAmetrine
	V7	542/17	BV510, Spark Violet 538, VioGreen, Live/Dead Fixable Aqua
	V8	581/19	BV570, StarBright Violet 570, Pacific Orange
	V9	598/20	

	V10	615/20	BV605, SuperBright 600, StarBright Violet 610, mKeima
	V11	664/27	BV650, SuperBright 645, StarBright Violet 670
	V12	692/28	
	V13	720/29	BV711, SuperBright 702, StarBright Violet 710
	V14	750/30	BV750, StarBright Violet 760
	V15	780/30	BV786, BV785, SuperBright 780, StarBright Violet 790
	V16	812/34	
Blue	B1	508/20	BB515, VioBright B515, Vio B515, NovaFluor Blue 510, eGFP, ZsGreen
488nm	B2	525/17	FITC, AF488, VioBright FITC, KIRAVIA Blue 520, CFSE
	B3	542/17	RB545, AF532, Spark Blue 550, NovaFluor Blue 530, NovaFluor Blue 555, eYFP, mVenus
	B4	581/19	StarBright Blue 580, Spark Blue 574
	B5	598/20	NovaFluor Blue 585
	B6	615/20	BB630, StarBright Blue 615, NovaFluor Blue 610 30S, NovaFluor Blue 610-70S
	B7	661/17	BB660
	B8	679/18	PerCP, StarBright Blue 675, NovaFluor Blue 660 120S
	B9	697/19	PerCP-Cy5.5, BB700, StarBright Blue 700
	B10	717/20	PerCP-eF710, PerCP-Vio700
	B11	738/21	
	B12	760/23	BB755, StarBright Blue 765
	B13	783/23	
	B14	812/34	RB780, BB790, StarBright Blue 810
Yellow - Green	YG1	577/20	PE, Alexa Fluor 555, StarBright Yellow 575, NovaFluor Yellow 570, Spark YG 570, Spark YG 581, tdTomato, RFP, DsRed
561nm	YG2	598/20	RY586, NovaFluor Yellow 590, Spark YG 593
	YG3	615/20	PE-CF594, PE-Texas Red, PE-eF610, PE-Dazzle 594, PE-Vio615, StarBright Yellow 605, Alexa Fluor 594, NovaFluor Yellow 610, mCherry
	YG4	661/17	PI, PE-Fire 640, StarBright Yellow 665, NovaFluor Yellow 660, 7-AAD
	YG5	679/18	PE-Cy5
	YG6	697/19	NovaFluor Yellow 690

	YG7	720/29	PE-Cy5.5, PE-Fire 700, StarBright Yellow 720, NovaFluor Yellow 700, NovaFluor Yellow 730
	YG8	750/30	
	YG9	780/30	PE-Cy7, PE-Vio770, StarBright Yellow 800, NovaFluor Yellow 755
	YG10	812/34	PE-Fire 810
Red	R1	661/17	APC, STYOX Red, Cy5
640nm	R2	679/18	AF647, eF660, Vio R667, Vio Bright R667, NovaFluor Red 660, NovaFluor Blue 660 40S, miRFP670
	R3	697/19	NovaFluor Red 700, Alexa Fluor 660, Spark NIR 685, NovaFluor Red 685, miRFP
	R4	717/20	AF700, Red 718, APC-R700, Vio Bright R720, redFluor710, NovaFluor 710
	R5	738/21	NovaFluor Red 725, Spark Red 718
	R6	760/23	
	R7	783/23	APC-eF780, APC-Cy7, APC-H7, APC-Vio770, APC-Fire 750, NovaFluor Red 755, Ghost Dye Red 780
	R8	812/34	APC-Fire 810

For excitation, a proprietary flat-top laser design enables a constant power distribution across the width of the sample core stream.



Optical configurations are as follows:

Laser	Excitation	Channels for detection	Detector names
Ultraviolet	355 nm	16	UV1-UV16
Violet	405 nm	16	V1-V16
Blue	488 nm	14	B1-B14
Yellow-Green	561 nm	10	YG1-YG10
Red	640 nm	8	R1-R8