

## Aurora Spectral Analyser

Entire emission spectrum is captured across the different modules and then stitched together to create a spectral signature that combines emission information from all five excitation wavelengths

Laser	Channel	Center Wavelength (nm)	Bandwidth (nm)	Wavelength Start (nm)	Wavelength End (nm)
Ultraviolet	UV1	372	15	365	380
	UV2	387	15	380	395
	UV3	427	15	420	435
	UV4	443	15	435	450
	UV5	458	15	450	480
	UV6	473	15	465	480
	UV7	514	28	500	528
	UV8	542	28	528	556
	UV9	581	31	566	597
	UV10	612	31	597	628
	UV11	664	27	650	677
	UV12	691	28	677	705
	UV13	720	29	705	734
	UV14	750	30	735	765
	UV15	780	30	765	795
	UV16	812	34	795	829
Violet	V1	428	15	420	435
	V2	443	15	436	451
	V3	458	15	451	466
	V4	473	15	466	481
	V5	508	20	498	518
	V6	525	17	516	533
	V7	542	17	533	550
	V8	581	19	571	590
	V9	598	20	588	608
	V10	615	20	605	625
	V11	664	27	651	678
	V12	692	28	678	706
	V13	720	29	706	735
	V14	750	30	735	765
	V15	780	30	765	795
	V16	812	34	795	829
Blue	B1	508	20	498	518
	B2	525	17	516	533
	B3	542	17	533	550
	B4	581	19	571	590
	B5	598	20	588	608
	B6	615	20	605	625
	B7	660	17	652	669
	B8	678	18	669	687
	B9	697	19	688	707
	B10	717	20	707	727
	B11	738	21	728	749
	B12	760	23	749	772
	B13	783	23	772	795
	B14	812	34	795	829
Yellow Green	YG1	577	20	567	587
	YG2	598	20	588	608
	YG3	615	20	605	625
	YG4	660	17	652	669
	YG5	678	18	669	687
	YG6	697	19	688	707
	YG7	720	29	706	735
	YG8	750	30	735	765
	YG9	780	30	765	795
	YG10	812	34	795	829
Red	R1	660	17	652	669
	R2	678	18	669	687
	R3	697	19	688	707
	R4	717	20	707	727
	R5	738	21	728	749
	R6	760	23	749	772
	R7	783	23	772	795
	R8	812	34	795	829



## Attune NxT

LASER	PARAMETER	FILTER	EX OF FLUOROCHROMES
Blue 488nm	BL1	530/30	FITC, Alexa Fluor 488, eGFP, Venus, CFSE, Sytox Green, DyeCycle Green, VioBright 515, Vio 515, VioBright FITC, BB515
	BL2	695/40	PerCp, PerCp Cy5.5, PerCp eFluor710, PerCp-Vio680, PECy5.5, 7-AAD
Red 637nm	RL1	670/14	APC, Alexa Fluor 647, eFluor660, TO-PRO-3, Cy5, Dye Cycle Ruby
	RL2	720/30	Alexa Fluor 700, APC-R700
	RL3	780/60	APC-Cy7, Alexa Fluor 750, APC eFluor 780, APC-Vio770, DRAQ7, APC/Fire 750, fixable L/D Near-IR
Yellow-Green 561nm	YL1	585/16	PE, Alexa Fluor 555, DyCycle Orange, dsRed, tdTomato, mBanana, mOrange, Cy3
	YL2	620/15	PI, PE-Texas Red, PE/Dazzle 594, PE-Vio 615, RFP, mCherry, mStrawberry
	YL3	780/60	PE-Cy7, PE-Vio 770, PE-Alexa Fluor 750
Violet 405nm	VL1	450/40	BV421, Alexa Fluor 405, CFP, Pacific Blue, DAPI, Hoechst 33342, CTV, Dye Cycle Violet, VPD450, Calcein Violet 450, Fixable L/D eFluor 450, Cell Proliferation Dye eFluor 450, VioBlue, Super Bright 436
	VL2	525/50	BV510, BD Horizon V500, Qdot 525, Fixable L/D aqua, VioGreen
	VL3	610/20	BV605, Qdot 585, Qdot 605, SuperBright 600
	VL4	660/20	BV650, Qdot 655, SuperBright 645
	VL5	710/50	BV711, SuperBright 702
	VL6	780/60	BV785, SuperBright 780

- Only common fluorochromes are listed; please consult a member of the Flow Cytometry staff if your fluorochrome is not present.

### SPARE FILTERS for Attune NxT:

- **Fluorescent protein set:** 510/10 and 540/30 (for YFP/GFP)
- **No wash No Lyse set:** 405/10, 415DLP



## CytoFLEX S

LASER	PARAMETER NAME	FILTER	EX OF FLUOROCHROMES
Blue 488nm	488nm 525/40	525/40	FITC, Alexa Fluor 488, eGFP, Venus, CFSE, Sytox Green, DyeCycle Green, VioBright 515, Vio 515, VioBright FITC, BB515
	488nm 690/50	690/50	PerCp, PerCp Cy5.5, PerCp eFluor710, PerCp-Vio680, PECy5.5, 7-AAD
Red 640nm	640nm 660/10	660/10	APC, Alexa Fluor 647, eFluor660, TO-PRO-3, Cy5, Dye Cycle Ruby
	640nm 712/25	712/25	Alexa Fluor 700, APC-R700
	640nm 780/60	780/60	APC-Cy7, Alexa Fluor 750, APC eFluor 780, APC-Vio770, DRAQ7, APC/Fire 750, fixable L/D Near-IR
Yellow-Green 561nm	561nm 585/42	585/42	PE, Alexa Fluor 555, DyCycle Orange, dsRed, tdTomato, mBanana, mOrange, Cy3
	561nm 610/20	610/20	PI, PE-Texas Red, PE/Dazzle 594, PE-Vio 615, RFP, mCherry, mStrawberry
	561nm 690/50	690/50	PE-Cy5, 7AAD
	561nm 780/60	780/60	PE-Cy7, PE-Vio 770, PE-Alexa Fluor 750
Violet 405nm	405nm 450/45	450/45	BV421, Alexa Fluor 405, CFP, Pacific Blue, DAPI, Hoechst 33342, CTV, Dye Cycle Violet, VPD450, Calcein Violet 450, Fixable L/D eFluor 450, Cell Proliferation Dye eFluor 450, VioBlue, Super Bright 436
	405nm 525/40	525/40	BV510, BD Horizon V500, Qdot 525, Fixable L/D aqua, VioGreen, CFP
	405nm 610/20	610/20	BV605, Qdot 585, Qdot 605, SuperBright 600
	405nm 660/10	660/10	BV650, Qdot 655, SuperBright 645

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- **SPARE FILTERS** available upon request: 710/50, 780/60, 405/10



## LSRII

LASER	PMT	LP FILTER	BP FILTER	EX FLUOROCHROMES
Blue 488nm (20mW)	G	-	488/10	SSC
	F	505	530/30	FITC, Alexa Fluor 488, eGFP, Venus, CFSE, Sytox Green, DyeCycle Green, VioBright 515, Vio 515, VioBright FITC
	E	555	575/26	PE, Alexa Fluor 555
	D	600	610/20	PI, PE-Texas Red, PE-CF594, PE-Dazzle 594
	C	635	660/20	PE-Cy5, 7-AAD
	B	680	695/40	PerCp, PerCp Cy5.5, PerCp eFluor710, PerCp-Vio680, PECy5.5, 7-AAD
	A	755	780/60	PECy7, PE-Alexa Fluor750, PE-Vio770
UV 355nm (20mW)	B	-	450/50	Hoechst 33342, DAPI
	A	505	550/30	BUV563
Red 633nm (25mW)	C	-	660/20	APC, Alexa Fluor 647, eFluor660, TO-PRO-3, Cy5, Dye Cycle Ruby
	B	710	730/45	Alexa Fluor 700, APC-R700, APC-Alexa Fluor 700,
	A	755	780/60	APC-Cy7, Alexa Fluor 750, APC eFluor 780, APC-Vio770, DRAQ7, fixable L/D Near-IR
Violet 405 nm (50mW)	F	-	450/50	BV421, Alexa Fluor 405, CFP, Pacific Blue, DAPI, Hoechst 33342, CTV, Dye Cycle Violet, VPD450, Calcein Violet 450, Fixable L/D eFluor 450, Cell Proliferation Dye eFluor 450, VioBlue
	E	475	525/50	BV510, BD Horizon V500, Qdot 525, Fixable L/D aqua, VioGreen, Pacific Orange, Krome Orange
	D	595	610/20	BV605, Qdot 585, Qdot 605, SuperBright 600
	C	655	670/30	BV650, Qdot 655, SuperBright 645
	B	690	710/50	BV711, SuperBright 702
	A	750	780/60	BV785, SuperBright 780

- Only common fluorochromes are listed; please consult a member of the Flow Cytometry staff if your fluorochrome is not present.
- UV SPARE FILTERS available upon request: 379/28 (for BUV395), 513/26, 614/20 (for BUV615), 664/22 or 671/30 (for BUV661), 722/44 (for BUV737)
- UV CONFIGURATION FOR Ca<sup>2+</sup> detection: Indo-1 (Ca-bound) measured with 379/28 (PMT B) and Indo-1 (Ca-free) measured with 513/26 (PMT A). Spare filters available upon request.