

## UWCCC WIMR Attune Nxt Instrument Map Thunder / Lightning / SAIRF / PEDS

Detector  
Filter  
Dichroic

488 Blue 3 Detectors			633 Red 3 Detectors			405 Violet 4 Detectors				561 YellowGreen 4 Detectors			
BL1 530/30	BL2 590/40	BL3 695/40	RL1 670/14	RL2 720/30	RL3 780/60	VL1 440/50	VL2 512/25	VL3 603/48	VL4 710/50	YL1 585/16	YL2 620/15	YL3 695/40	YL4 780/60
503LP	555LP	650LP	654LP	690LP	740LP	417LP	495LP	555LP	650LP	577LP	600LP	650LP	740LP
FITC	Spark Blue 574	BB700	APC	APC-Alexa 700	APC-Cy7	BV421	BV510	BV605	BV711	PE	PE-CF594	PE-Cy5	PE-Cy7
Alexa 488	NovaFluor Blue 585	RealBlue 705	Alexa 647	APC-R700	APC-H7	Alexa 405	BV480	SuperBright 600	Qdot705	Alexa 555	PE-Dazzle 594	PE-Cy5.5	PE-Fire 810
BB515	NovaFluor Blue 610	PerCP-eFluor 710	NovaFluor Red 660	Alexa 680	APC-Alexa 750	V450	Pacific Green	Qdot605	<b>BV785 (780/60)</b>	Alexa 564	PE-Texas Red	PE-Alexa 700	Qdot800
CFSE		PerCP-Vio 700	Spark NIR 685	Alexa 700	APC-eFluor 780	CFP	Spark Violet 500/538		<b>BV650 (670/14)</b>	tdTomato	Alexa 594	PE-Fire 700	
GFP		PerCP-Cy5.5	Qdot655	Spark Red 718	APC-Fire 750	BFP				RFP	mCherry	NovaFluor Yellow 690/700	
Emerald		<b>RealBlue 780 (780/60)</b>		Qdot708	APC-Fire 810	mTurquoise				mOrange	mStrawberry	Qdot705	
eYFP										DsRed	mKate		
mNeonGreen		*7AAD			Live/Dead Red780	DAPI					*7AAD	<b>*7AAD</b>	*7AAD
		*PI			Ghost Red 780					*PI	<b>*PI</b>	*PI	

Notes:

<b>Side Scatter(SSC) Off Violet Possible With No Lyse/No Wash Filter Set</b>	<b>Fluorochromes are listed for optimal excitation and emission.</b>
<b>GFP/YFP/mCherry; Fluorecent Protein Filter Set Is Available For Optimal Configuration</b>	- BV, BUV, BB dyes require the use of the Brilliant Dye Staining Buffer.
PerCP alone does not work on the Attune (goes into "triplet state" and stops fluorescing); PerCP tandems are okay.	- SuperBright dyes require the use of the SuperBright Staining Buffer.
*Starred fluorochromes will show up in all channels listed, but are brightest in the <b>Bolded</b> channel.	- NovaFluor dyes require the use of the Cellblox Plus Blocking Buffer.
<b>Red Text Indicates Filter Swap. Optimal Filter Listed. Confirm Filter Availability with UWCCC Flow Lab Staff.</b>	- NovaFluor dyes can <b>NOT</b> be used with DNA dyes (DAPI, 7AAD, PI, etc.).
For newly released or less common fluorochromes please see spectra viewers for usability on this instrument or email uwflow@uwcarbone.wisc.edu for guidance.	