

## UWCCC Biotech Attune Nxt V6 Instrument Map River

Detector Filter Dichroic	488 Blue 2 Detectors		633 Red 3 Detectors			405 Violet 6 Detectors						561 YellowGreen 3 Detectors		
	BL1 530/30	BL2 695/40	RL1 670/14	RL2 720/30	RL3 780/60	VL1 450/40	VL2 525/50	VL3 610/20	VL4 660/20	VL5 710/50	VL6 780/60	YL1 585/16	YL2 620/15	YL3 780/60
	503LP	555LP	654LP	690LP	740LP	417LP	495LP	555LP	635LP	680LP	740LP	577LP	600LP	650LP
	FITC	BB700	APC	APC-Alexa 700	APC-Cy7	BV421	BV510	BV605	BV650	BV711	BV785	PE	PE-CF594	PE-Cy7
	Alexa 488	RealBlue 705	Alexa 647	APC-R700	APC-H7	Alexa 405	BV480	SuperBright 600		SuperBright 702		Alexa 555	PE-Dazzle 594	PE-Fire 810
	BB515	PerCP-eFluor 710	NovaFluor Red 660	Alexa 680	APC-Alexa 750	V450	Pacific Green	Qdot605		Qdot705		Alexa 564	PE-Texas Red	Qdot800
	CFSE	PerCP-Vio 700	Spark NIR 685	Alexa 700	APC-eFluor 780	CFP	Spark Violet 500/538					tdTomato	Alexa 594	
	GFP	PerCP-Cy5.5	Qdot655	Spark Red 718	APC-Fire 750	BFP						RFP	mCherry	
	Emerald	RealBlue 780 (780/60)		Qdot708	APC-Fire 810	mTurquoise						mOrange	mStrawberry	
	eYFP											DsRed	mKate	
	mNeonGreen	*7AAD			Live/Dead Red780	DAPI							*7AAD (695/40, 650LP)	*7AAD
		*PI			Ghost Red 780							*PI	*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.	