

UWCCC Instrument Map "River"
Biotech 2360 Attune Nxt V6
4 Lasers, 14 Colors

96 & 384 Well Plate Auto Sampler, Swappable Emission Filters

488 Blue - 2 Detectors		561 YellowGreen - 3 Detectors			405 Violet - 6 Detectors						633 Red - 4 Detectors			
Detector	BL1	BL2	YL1	YL2	YL4	VL1	VL2	VL3	VL4	VL5	VL6	RL1	RL2	RL3
Filter	530/30	695/40	585/16	620/15	780/60	450/40	525/50	610/20	660/20	710/50	780/60	670/14	720/30	780/60
Dichroic	503LP	555LP	577LP	600LP	650LP	417LP	495LP	555LP	635LP	680LP	740LP	654LP	690LP	740LP
GFP	BB700	PE**	PE-CF594	PE-Cy7	BV421	BV510	BV605	BV650	BV711	BV785	APC	APC-Alexa700	Live/Dead Red780	
Alexa488	*PerCP-Cy5.5	mOrange	PE-Dazzle594	PE-Vio770	DAPI	Pacific Green	SuperBright 600	SuperBright 645	SuperBright 702	BV786	Alexa647	APC-R700	APC-H7	
FITC	*PerCP-eFluor710	RFP	PE-TexasRed		Alexa405	VioGreen				SuperBright 780	Vio667	Alexa680	APC-Cy7	
BB515	PerCP-Vio700	tdTomato	mCherry, mKate, DsRed		CFP						VioBright 667	Alexa700	APC-eFluor780	
Emerald		Alexa564, Alexa555, DL555	Alexa594, DL594		BFP								APC-Alexa750	
CFSE			mStrawberry		mTurquoise								APC-Vio770	
VioBright 515			Alexa568		mSirius									
Vio515	7AAD		7AAD		Violet Cell Trace									
VioBright FITC			PE-Vio615		SuperBright 436									
	PI	PI	PI		VioBlue									

Fluorochromes are listed for optimal excitation and emission.

*PerCP alone does not work on the Attune (goes into "triplet state" where it stops fluorescing). PerCP tandems are okay.

*PI has a wide emission spectrum and will bleed into multiple channels. Brightest in YL2. PE and PI do not separate well.

7AAD has a wide emission spectrum and will bleed into multiple channels. Brightest in BL2.

Note: Filter set for PE-Cy5 and PE-Cy5.5 are not available on this instrument

Side Scatter off Violet Possible with No Lyse/No Wash Filter Set