

**UWCCC Instrument Map  
5 Laser BD LSR Fortessa**

	Blue: 488nm			Yellow Green: 561nm				Violet: 405nm				Red: 640nm			UV: 355nm			
Detector	488B	488A	561E	561D	561C	561B	561A	405E	405D	405C	405B	405A	640C	640B	640A	355C	355B	355A
Filter	530/30	710/40	586/15	610/20	670/30	710/50	780/60	450/50	525/50	610/20	670/30	780/60	675/20	730/45	780/60	379/28	450/50	515/30
Dichroic	505LP	685LP		595LP	635LP	685LP	750LP		495LP	595LP	635LP	750LP		710LP	750LP		410LP	505LP
	BB515	BB700	PE	PE-CF594	PE-Cy5	PE-Cy5.5	PE-Cy7	BV421	BV510	BV605	BV650	BV786	APC	redFluor 710	APC-H7	BUV395		BUV496
									SuperBright 600	SuperBright 645	SuperBright 780							
	FITC	PerCP		PE-AF610	PE-AF647			eFluor450		eFluor610	SuperBright 702 (710/20, 690LP)		eFluor660	APC-Alexa700	APC-Cy7	Ei97		BUV563 (575/26, 550LP)
		PerCP-Cy5		PE-eFluor610							BV711 (710/20, 690LP)			APC-R700	APC-Alexa750			BUV661 (675/20, 600LP)
		PerCP-Cy5.5		PE-Texas Red						eFluor605NC	BV750 (740/35, 690LP)		NovaRed660	NovaRed700 (695/40)	APC-eFluor780			BUV737 (730/45, 690LP)
	NovaBlue510 (510/20, 505LP)	PerCP-eFluor710								eFluor625NC	eFluor650NC		NovaRed685 (675/30)	NovaRed710				BUV805 (820/60, 770LP)
	Alexa488		Alexa546	Alexa568				Alexa405	Alexa430				Alexa647	Alexa700	Alexa750		Alexa350	
	Alexa500	NovaBlue555 (575/26, 525LP)	Alexa555	Alexa594									Alexa633	Alexa680	Alexa790			
	Alexa514	NovaBlue585 (585/42, 550LP)		Alexa610									Alexa635					
	Alexa532	NovaBlue610 (610/20, 600LP)	NovaYellow570 (585/42, 570LP)										Alexa660					
	DyLight488	NovaBlue660 (660/20, 635LP)	DyLight550	DyLight594				DyLight405					DyLight633	DyLight680	DyLight755		DyLight350	
	Oregon Green							V450	V500				DyLight650		DyLight800			
	VioBright 515	PerCP-Vio700		PE-Vio615			PE-Vio770	VioBlue	VioGreen				Vio667					
	Vio515		Alto550										VioBright 667					
	VioBright FITC	PKH26 (585/42, 550LP)	JF549					Pacific Blue	Pacific Orange				JF646					
	Cy2	JC-1 (585/42, 550LP)	Cy3	Cy3.5					Pacific Green				Cy5				Indo-1 (Ca++ Bound)	Indo-1 (Ca++ Free)
Fluorescent Proteins	GFP		tdTomato	mTangerine	mRaspberry			CFP (470/28)	CFP-YFP FRET (546/10)								BFP	
	Emerald FP		RFP, mRFP	mCherry	mPlum													
	YFP		mOrange	mKate														
	ZsGreen		mBanana	mStrawberry														
			DsRed															
Mitochondrial/ ROS	MitoTracker Green	MitoSOX Red (585/42, 550LP)	DCF (for ROS)	MitoTracker Red									MitoTracker Deep Red					
Proliferation	CFSE		CellTrace Yellow					CellTrace Violet					CellTrace Far Red			CellTrace Blue		
Cell Cycle - Live (Fisher)	Vybrant Dye Cycle Green												Vybrant Dye Cycle Ruby				Vybrant Dye Cycle Violet	
DNA Dyes/Cell Cycle (NOT Viability)								Hoechst 33342/33258					DRAQ5				Hoechst 33342/33258	
Viability/DNA Dyes/Cell Cycle		7AAD		7AAD	7AAD	7AAD	7AAD	DAPI									DAPI	
Viability/DNA Dyes/Cell Cycle		PI	PI	PI	PI								FxCycle Far Red				FxCycle Violet	
Viability Only	SYTOX Green				SYTOX Orange			SYTOX Blue					SYTOX Red					
Fixable Viability Dyes (Tonbo)								Ghost Violet 450	Ghost Violet 510	Ghost Violet 540			Ghost Red 710		Ghost Red 780		Ghost UV 450	
Fixable Viability Dyes (BioLegend)	Zombie Green		Zombie Red					Zombie Violet	Zombie Aqua	Zombie Yellow					Zombie Near IR		Zombie UV	
Fixable Viability Dyes (Fisher)	Live/Dead Green		Live/Dead Red					Live/Dead Violet	Live/Dead Aqua	Live/Dead Yellow			Live/Dead Far Red		Live/Dead Near IR		Live/Dead Blue	

**FLUOROCHROME LISTS ARE NOT ALL INCLUSIVE**

\*PI will show up in all channels it is listed in (i.e. you can't use PE with PI), but is brightest in the 561D channel.  
 \*7AAD will show up in all channels it is listed in (i.e. you can't use PerCP with 7AAD), but is brightest in the 561C channel.  
 \*DAPI will show up in all channels it is listed in (i.e. you can't use BV421 with DAPI), but is brightest in the 355B channel.

\*Hoechst will show up in all channels it is listed in (i.e. you can't use BV421 with Hoechst), but is brightest in the 355B channel.  
 \*BV, BUV, BB dyes require the use of the Brilliant Dye Staining Buffer  
 \*SuperBright dyes require the use of the SuperBright Staining Buffer