

UWCCC Instrument Map
5 Laser BD FACS ArialII - JACK (7016 WIMR)

	Blue: 488nm		Yellow Green: 561nm				Violet: 405nm			Red: 640nm			
Detector	488B	488A	561E	561D	561C	561B	561A	405C	405B	405A	640C	640B	640A
Filter	530/30	695/40	582/15	610/20	670/30	695/40	780/60	450/50	525/50	605/40	670/30	730/45	780/60
Dichroic	505LP	685LP		595LP	635LP	685LP	750LP		505LP	595LP		690LP	750LP
	BB515	BB700	PE	PE-CF594	PE-Cy5	PE-Cy5.5	PE-Cy7	BV421	BV510	BV605	APC	redFluor 710	APC-H7
										SuperBright 600			
	FITC	PerCP		PE-AF610	PE-AF647			eFluor450		eFluor610	eFluor660	APC-Alexa700	APC-Cy7
		PerCP-Cy5		PE-eFluor610								APC-R700	APC-Alexa750
		PerCP-Cy5.5		PE-Texas Red						eFluor605NC	NovaRed660	NovaRed700 (695/40)	APC-eFluor780
	NovaBlue510 (510/20, 505LP)	PerCP-eFluor710								eFluor625NC	NovaRed685 (675/30)	NovaRed710	
	Alexa488		Alexa546	Alexa568				Alexa405	Alexa430	eFluor650NC (660/20)	Alexa647	Alexa700	Alexa750
	Alexa500	NovaBlue555 (675/26, 525LP)	Alexa555	Alexa594							Alexa633	Alexa680	Alexa790
	Alexa514	NovaBlue585 (585/42, 550LP)		Alexa610						BV650 (670/30/20) 635LP	Alexa635		
	Alexa532	NovaBlue610 (610/20, 600LP)	NovaYellow570 (585/42, 570LP)								Alexa660		
	DyLight488	NovaBlue660 (660/20, 635LP)	DyLight550	DyLight594				DyLight405		BV711 (710/20) 685LP	DyLight633	DyLight680	DyLight755
	Oregon Green							V450	V500		DyLight650		DyLight800
	VioBright 515	PerCP-Vio700		PE-Vio615			PE-Vio770	VioBlue	VioGreen	BV786 (780/60) 750LP	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		
Fluorescent Proteins	GFP		tdTomato	mTangerine	mRaspberry			CFP (470/28)	CFP-YFP FRET (546/10)				
	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		
Cell Cycle - Live (Fisher)	Vybrant Dye Cycle Green										Vybrant Dye Cycle Ruby		
DNA Dyes/Cell Cycle (NOT Viability)								Hoechst 33342/33258			DRAQ5		
Viability/DNA Dyes/Cell Cycle		7AAD		7AAD	7AAD	7AAD	7AAD	DAPI					
Viability/DNA Dyes/Cell Cycle		PI	PI	PI	PI						FxCycle Far Red		
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
Fixable Viability Dyes (BioLegend)	Zombie Green		Zombie Red					Zombie Violet	Zombie Aqua	Zombie Yellow			Zombie Near IR
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

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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.

*BV, BUV, BB dyes require the use of the Brilliant Dye Staining Buffer

*SuperBright dyes require the use of the SuperBright Staining Buffer