

**UWCCC Instrument Map  
BD FACS AriaIII Cell Sorter  
"Jayne" 2360 Biotech**

	<b>Blue: 488nm</b>					<b>Green: 561nm</b>					<b>Violet: 405nm</b>					<b>Red: 633nm</b>			<b>UV: 355nm</b>	
Detector	488B	488A	561E	561D	561C	561B	561A	405F	405E	405D	405C	405B	405A	633C	633B	633A	355C	355B	355A	
Filter	530/30	695/40	582/15	610/20	670/14	Empty	780/60	450/50	510/50	610/20	675/20	710/50	780/60	660/20	730/45	780/60	450/50	530/30	670/25	
Dichroic	502LP	655LP		600LP	630LP	685LP	735LP	502LP	595LP	630LP	690LP	750LP		690LP	755LP			505LP	630LP	
	FITC	PerCP	PE	PE-CF594	PE-Cy5	<b>UNAVAILABLE</b>	PE-Cy7	BV421	BV510	BV605	BV650	BV650	BV785	APC	Alexa700	APC-H7	BUV395 (379/28)	BUV496	BUV661	
	GFP	PerCP-Cy5		PE-AF610				Alexa405	Alexa430	eFluor605NC		BV711 (710/20) 685LP	BV786	Alexa647	APC-Alexa700	APC-Cy7		BUV563 (575/25) 560LP	BUV737 (730/45)	
	Alexa488	PerCP-Cy5.5		mCherry	SYTOX Orange			BV480?		eFluor625NC				Alexa633	APC-Cy5.5	APC-Alexa750			BUV805 (820/60) 770LP	
	Alexa500	BB700	Alexa532	mKate	mPlum					eFluor650NC (660/20)		BV750		Cy5	Alexa680	APC-eFluor780	Alexa350			
	BB515	JC-1 (610/20)	Alexa546	mStrawberry	mRaspberry					eFluor610				DyLight633	redFluor 710	Live/Dead Ghost 780	DyLight350			
	Pyronin Y	PKH26 (585/42, 550LP)	Alexa555	PE-Texas Red				V450	CFP-YFP FRET (546/10)					DyLight649	APC-R700			Indo-1		
	YFP		DyLight555	PE-eFluor610														BFP		
	Cy2	PerCP- eFluor710	Cy3	Alexa568	PE-AF647				CFP (470/30)						eFluor660					
	DyLight488		mOrange	Alexa594				DyLight405	V500					Alexa635				SYTOX Blue		
			mBanana	Alexa610				Pacific Blue	Pacific Orange					Alexa660						
	Alexa514		tdTomato	DyLight594				eFluor450	Pacific Green					DRAQ5				FxCycle Violet		
	SYTOX Green		DCF	Cy3.5										FxCycle Far Red						
	TOTO-1, TO- PRO-1		DsRed	mTangerine																
	Emerald FP		RFP, mRFP	Mitotracker Red																
	Oregon Green			Live/Dead Red																
	Rho110			Rhodamine-X																
Proliferation	CFSE		CellTrace Yellow						CellTrace Violet						CellTrace Far Red					
Cell Cycle (Fisher)	Vybrant Dye Cycle Green														Vybrant Dye Cycle Ruby				Vybrant Dye Cycle Violet	
DNA Dyes/Cell Cycle (NOT Viability)									Hoechst 33342/33258										Hoechst 33342/33258	
Viability/DNA Dyes/Cell Cycle		7AAD		7AAD	7AAD			7AAD	DAPI										DAPI	
Viability/DNA Dyes/Cell Cycle		PI	PI	PI	PI															
Viability Only	SYTOX Green							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		

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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, so take your measurements there.
- \*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, so take your measurements there.
- \*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, so take your measurement there.
- \*BV, BUV, BB dyes require the use of the Brilliant Dye Staining Buffer
- \*SuperBright dyes require the use of the SuperBright Staining Buffer
- Red Text Indicates Filter Swap, Optimal Filter Listed. Confirm Filter Availability with UWCCC Flow Lab Staff.