

UWCCC 5 Laser BD LSR Fortessa Instrument Map

Detector Filter Dichroic	405 Violet 5 Detectors					640 Red 3 Detectors			488 Blue 2 Detectors		561 Yellow Green 5 Detectors					355 UV 3 Detectors		
	405E 450/50	405D 525/50	405C 610/20	405B 670/30	405A 780/60	640C 675/20	640B 730/45	640A 780/60	488B 530/30	488A 710/40	561E 586/15	561D 610/20	561C 670/30	561B 710/50	561A 780/60	355C 379/28	355B 450/50	355A 515/30
	Blank	495LP	595LP	635LP	750LP	Blank	710LP	750LP	505LP	685LP	Blank	595LP	635LP	685LP	750LP	Blank	410LP	505LP
	BV421	BV510	BV605	BV650	BV785	APC	NovaFluor Red 700/710/725	APC-H7	FITC	BB700	PE	PE-CF594	PE-Cy5	PE-Cy5.5	PE-Cy7	BUV395	*BFP	BUV496
	Alexa 405	V500	SuperBright 600	SuperBright 645	SuperBright 780	eFluor660	APC-R700	APC-eFluor 780	BB515	PerCP	Alexa 546	PE-Texas Red	PE-Alexa 647	PE-Fire 700	PE-Fire 810	CellTrace Blue		BUV563 <i>(575/26, 550LP)</i>
	V450	Spark Violet 500/538	eFluor610	SuperBright 702 (710/20, 690LP)		NovaFluor Red 660	APC-Alexa 700	APC-Cy7	Alexa 488	PerCP-Cy5	Alexa 555	Alexa 594		NovaFluor Yellow 690/700		Spark UV 387		BUV661 <i>(675/20, 600LP)</i>
	Pacific Blue	Pacific Green		BV711 <i>(710/20, 690LP)</i>		Spark NIR 685	Alexa 700	APC-Alexa 750	GFP	PerCP-eFluor 710	Atto 550	Alexa 610						BUV737 <i>(730/45, 690LP)</i>
	*BFP			BV750 <i>(740/35, 690LP)</i>		Alexa 647		APC-Fire 810	YFP	RealBlue 705	JF549	mCherry						BUV805 <i>(820/60, 770LP)</i>
	TagBFP					JF646		Alexa 750/790	mNeon Green	RealBlue 780 <i>(780/60, 770LP)</i>	RFP	mStrawberry						
	CellTrace Violet					Cy5			CFSE		tdTomato	mKate					Indo-1 (Ca++ Bound)	Indo-1 (Ca++ Free)
	*Hoechst 33342/33258					DRAQ5			NovaFluor Blue 510/530		DsRed	MitoTracker Red					*Hoechst 33342/33258	
		Zombie Aqua						Ghost Red 780		*7AAD		*7AAD	*7AAD	*7AAD	*7AAD		Live/Dead Blue	
	*DAPI	Ghost Violet 510	Ghost Violet 540					Zombie Near IR		*PI	*PI	*PI	*PI				*DAPI	

Notes:

Fluorochromes are listed for optimal excitation and emission.	- BV, BUV, BB dyes require the use of the Brilliant Dye Staining Buffer.
*Starred fluorochromes will show up in all channels listed, but are brightest in the Bolded channel.	- 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.	- NovaFluor dyes require the use of the Cellblox Plus Blocking Buffer.
Many Extra Filters Available In The Drawer Under The Fortessa.	- NovaFluor dyes can NOT 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.	