

## LSRFortessa (Hydrodynamic focusing) Configuration

	Laser (nm)	BP	LP	Optimal Colors	Additional optimal fluorochrome options available on FluoroFinder.com.						
LASER	355	379 / 28	--	Brilliant Ultraviolet 395 	mFluor UV 375 	Spark UV 387 	StarBright UltraViolet 400 				
		515 / 30	450	Brilliant Ultraviolet 496 	Brilliant Violet 510 	DY-395XL 	LysoSensor Yellow/Blue pH3.0 	LysoSensor Yellow/Blue pH9.0 			
				MitoLite Blue FX490 	NADH 	Nuclear Blue 	Nuclear Yellow 	PhenoVue Fura-2 AM, Calcium Indicator 			
		740 / 35	690	Brilliant Ultraviolet 737 	StarBright UltraViolet 740 						
820 / 60	770	Brilliant Ultraviolet 805 	StarBright UltraViolet 795 								
LASER	405	450 / 50	--	Alexa Fluor 405 	ATTO 425 	Brilliant Violet 421 	Brilliant Violet 480 	CF405M 			
				CF405S 	cFluor V420 	cFluor V450 	CoraLite Plus 405 	CytoCalcein Violet 450 			
				CytoCalcein Violet 500 	DY-415 	DyLight 405 	eFluor 450 	ExoBrite 410/450 EV Membrane Stain 			
				HiLyte 405 	iFluor 405 	LysoBrite Blue 	LysoView 405 	MaxLight 405 			
		MemBrite Fix 405/430 	mFluor Violet 450 	MitoLite Blue FX490 	MitoView 405 	Nuclear Violet 					
		Spectrum Aqua V450 	StarBright Violet 440 	StarBright Violet 475 	SuperBright 436 	SuperNova v428 					
		VioBlue 	VioBright V423 	violetFluor 450 							
525 / 50	475	ATTO 425 	ATTO 430LS 	Brilliant Violet 480 	Brilliant Violet 510 	CytoCalcein Violet 500 					
DY-395XL 	LipidSpot 488 	LysoBrite Blue 	LysoSensor Yellow/Blue pH3.0 	LysoView 405 	MitoLite Blue FX490 	StarBright Violet 475 					
MitoLite Orange EX405 	Nuclear Yellow 	Spark Violet 538 	Spectrum Aqua 								
610 / 20	600	Brilliant Violet 605 	cFluor V610 	DY-395XL 	LipidSpot 488 	mFluor Violet 610 					
StarBright Violet 610 	SuperBright 600 	SuperNova v605 	DyLight 405LS 	eFluor 605NC 							
655 / 8	630	Brilliant Violet 650 	Chlorophyll A 	StarBright Violet 670 	SuperBright 645 	eFluor 650NC 					
eVolve 655 	Qdot 655 										
710 / 50	690	Brilliant Violet 711 	Brilliant Violet 750 	StarBright Violet 710 	StarBright Violet 760 	SuperBright 702 					
Qdot 705 											
780 / 60	750	Brilliant Violet 750 	Brilliant Violet 785 	Brilliant Violet 786 	StarBright Violet 760 	StarBright Violet 790 					
SuperBright 780 	SuperNova v786 	Qdot 800 									
LASER	488	530 / 30	505	Adirondack Green 520 	Alexa Fluor 488 	Alpha Fluor 488 	ATTO 488 	BactoView Live Green 			
				BCECF AM 	Brilliant Blue 515 	CellTrace Oregon Green 	CF488A 	CF500 			
				cFluor B548 	Chromeo 488 	Chromeo 505 	CoraLite 532 	cFluor B532 	CoraLite Plus 488 		
				CytoTrace Green CMFDA 	DAF-FM 	DMAO 	DyLight 488 	ExoBrite 490/515 EV Membrane Stain 			
				FITC 	FITC Plus 	HiLyte 488 	iFluor 488 	KIRAVIA Blue 520 			
				LysoBrite Green 	LysoView 488 	MaxLight 490 	MemBrite Fix 488/515 	MitoLite Green EX488 			
				MitoLite Green FM 	MitoMark Green 	MitoROS 520 	NBD 	Neuro DiO 			
				NL 493 	NovaFluor Blue 530 	Nuclear Green 	Nuclear Orange 	NucSpot 470 			
				NucSpot Live 488 	Oxazole Yellow 	Oxazole Yellow Homodimer 	Oyster 488 	PhenoVue 493 Lipid Stain 			
				PhenoVue 503 Lysosomal Stain 	PhenoVue Cal-520 AM Bright, Calcium Indicator 	PhenoVue Cal-520 AM, Calcium Indicator 	PhenoVue Fluo-4 AM, Calcium Indicator 	PhenoVue Fluor 488 	PhenoVue ROS-490, Total Oxidative Stress Indicator 		
				PicoGreen 	PromoFluor 488P 	RealBlue 545 	Spark Blue 550 	Spark Blue 574 			
				Spectrum Green 	SureLight 488 	Syto 16 	Syto 24 	Thiazole Orange Homodimer 			
				Thiazole Orange Iodide 	Vio515 	VioBright FITC 	VRDye 490 				

	Laser (nm)	BP	LP	Optimal Colors	Additional optimal fluorochrome options available on FluoroFinder.com.					
LASER	640	695 / 40	685	ATTO 490LS	Brilliant Blue 700	cFluor B690	cFluor BYG680	cFluor BYG710		
				Di-8-ANEPPS	NovaFluor Blue 660 / 40S	PE-Cy5	PE-Cy5.5	PE-Dyomics 647		
				RealBlue 705	RPE-CF647T	StarBright Blue 700	SureLight PE	PerCP-eFluor 710	PerCP-Vio700	
				670 / 14	--	Alexa Fluor 633	Alexa Fluor 635	Alexa Fluor 647	Alexa Fluor 660	APC
		ATTO 633	ATTO 647			ATTO 655	ATTO 665	Calcein Deep Red AM		
		CellMask Deep Red Plasma Membrane Stain	CellTracker Deep Red			CF633	CF640R	CF647		
		CypHer5E	Chromo 642			cFluor R659	cFluor R668	cFluor R685		
		DyLight 650	DiIC1(5)			Coralite 647A	Coralite Plus 647	Cy5		
		IRDye 650	Dyomics 647			DRAQ 9	DyLight 633	DyLight 649		
		LipidSpot 610	ExoBrite 640/660 EV Membrane Stain			FluoProbes647H	HiLyte 633	HiLyte 647		
		MemBrite Fix 640/660	iFluor 633			iFluor 647	Janelia Fluor 635	Janelia Fluor 646	Janelia Fluor 669	
		MitoLite NIR FX690	IRDye 680RD			LysoView 640	LysoView 650	MaxLight 650		
NucSpot Far-Red	LysoBrite NIR	MemBrite Fix ST 650/665	MemBrite Fix ST 667/685			MitoLite Deep Red FX660				
	MemBrite Fix 660/680	MitoView 640	NL 637			NucSpot 640				
	MitoView 650	Oyster 650	PhenoVue 641 Mitochondrial Stain			PhenoVue Fluor 647	PhenoVue ROS-670, Total Oxidative Stress Indicator			
	PromoFluor 647P	Spark NIR 685	STAR 635	STAR 635P	STAR RED					
	SureLight APC	SureLight P3	Thiazole Red	Thiazole Red Homodimer	Vio667					
	Vio Bright R667	Vio R667			VioBright 667					
		730 / 45	710	Alexa Fluor 660	APC-Alexa 680	APC-Alexa 700	APC-CF750	APC-R700		
	ATTO 647			ATTO 655	ATTO 665	cFluor R720	DRAQ 9			
	IRDye 680LT			IRDye 680RD	LipidSpot 610	LysoView 680	MitoLite NIR FX690			
	NucSpot 680			NucSpot Far-Red	PE-Fire 780	Red 718	Seta-APC-705			
	Vio Bright R720			Vio R720						
		780 / 60	750	APC-CF750	APC-CF770	APC-eFluor 780	APC-Fire 750	APC-Fire 810		
	APC-H7			APC-Vio770	cFluor R780	cFluor R840	DRAQ 9			
	LysoView 680			PE-Fire 780	Seta-APC-780					
LASER	561	582 / 15	575	Alexa Fluor 546	Alexa Fluor 555	Alexa Fluor 561	ATTO 542	ATTO 550		
				ATTO 565	ATTO Rho3B	BOBO-3	Calcein Red AM	Calcein Red-Orange AM		
				Calcium Orange	CellMask Orange Plasma Membrane Stain	CF568	CF570	cFluor BYG575		
						cFluor YG584	CytoTrace Red	DyLight 549		
						DyLight 550	Dyomics 547	ExoBrite 560/585 EV Membrane Stain		
						LysoBrite Red	LysoView 550	MemBrite Fix 568/580		
			HiLyte 555	LysoBrite Orange	MitoLite Red FX600	MitoMark Red	mScarlet			
			MitoLite Orange FX570	NovaFluor Yellow 570	PE	PE-Dyomics 590	NL 557			
			PhenoVue 577 Lysosomal Stain	PhenoVue 578 Mitochondrial Stain	PhenoVue Cal-590 AM Bright, Calcium Indicator	PhenoVue Cal-590 AM, Calcium Indicator	PhenoVue Fluor 555			
			RealYellow 586	Rhodamine Red	Rhod-FF AM	SNARF 1 pH6.0	PhenoVue ROS-570, Total Oxidative Stress Indicator			
							Spark YG 581			
				610 / 20	600	ATTO 550	ATTO 565	ATTO Rho3B	BOBO-3	Calcein Red-Orange AM
	CF568	CF570	cFluor BYG610			cFluor YG584	cFluor YG610			
	DyLight 549	ExoBrite 560/585 EV Membrane Stain	LipidSpot 610			LysoBrite Red	LysoView 550			
	MitoLite Orange FX570	MitoLite Red FX600	MitoMark Red			Magic Red	MemBrite Fix 568/580			
	PE-eFluor 610	NovaFluor Yellow 610	PE-Alexa 610			PE-ATTO 594	PE-CF594			
		PE-Dazzle 594	PE-DyLight 594			PE-Dyomics 590				
	PhenoVue Cal-590 AM, Calcium Indicator	PhenoVue Nile Red Lipid Stain	PhenoVue 577 Lysosomal Stain	PhenoVue 578 Mitochondrial Stain	PhenoVue Cal-590 AM Bright, Calcium Indicator					
		PhenoVue Nile Red Lipid Stain	RealYellow 586	ReAsH	Rhodamine Red					
		Spark YG 581	Rhod-FF AM	SNARF 1 pH6.0	SNARF 1 pH9.0					
			SureLight PE-594							
		780 / 60	750	cFluor BYG781	DRAQ 9	PE-Cy7	PE-Fire 810	PE-Vio770		
	Seta-R-PE-775			SureLight PE Cyanine 7.0	PE-Alexa 750					

Highlighted colors are suggest by the instrument owner or manufacturer.