

Em (nm)	Standard	Ex/Em	Cyanine	Ex/Em	Alexa Fluor	Ex/Em	Atto	Ex/Em	Dylight	Ex/Em	Opal	Ex/Em	iFluor	Ex/Em	mFluor	Ex/Em
400																
402																
404																
406																
408																
410																
412																
414																
416																
418																
420																
422	BV421	408/422			AF405		401/422									
424																
426															mFluor Violet 430	411/426
428													iFluor 405	403/427		
430																
432																
434									DyLight 405	399/433						
436									DyLight 350	352/435						
438																
440	[Hoechst 34580]	392/440														
442					AF350		346/442									
444																
446															mFluor Violet 450	406/445
448															mFluor UV420	383/448
450													iFluor 350	345/450		
452																
454																
456																
458																
460	Hoechst 33258	352/460													mFluor UVB 460	325/459
462	DAPI	368/461													mFluor UV455/460	357/461
464	Hoechst 33342	350/463														
466																
468																
470																
472																
474																
476															mFluor Violet 480/490	404/475
478																
480							Atto 390	390/479					iFluor 440	434/480		
482																
484																
486							Atto 425	436/485								
488																
490																
492																
494													iFluor 460	468/493		
496																
498													iFluor 430	433/498		
500											Opal Polaris 480	450/500				
502													iFluor 450	451/502	mFluor Violet 500	410/501
504															mFluor Violet 505	393/504
506			Cy2	489/506											mFluor Violet 510	412/505
508	EGFP	488/507					Atto 465	453/507								
510																

mDAPI

mDAPI

mDAPI

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mFITC

mFITC

mFITC

[illegible]

	Em (nm)	Standard	Ex/Em	Cyanine	Ex/Em	Alexa Fluor	Ex/Em	Atto	Ex/Em	Dylight	Ex/Em	Opal	Ex/Em	iFluor	Ex/Em	mFluor	Ex/Em		
	628							Atto 594	601/627					iFluor 610	610/628			mTxRed	ss594
	630																	mTxRed	ss594
	632															mFluor Yellow 630	570/632	mTxRed	ss594
	634							Atto 610	615/634							mFluor Blue 630	470/634	mTxRed	ss594
	636													iFluor 620	621/636			mTxRed	ss594
	638																	mTxRed	ss594
	640													iFluor 625	624/640			mTxRed	
	642																	mTxRed	
	644							Atto 620	619/643									mTxRed	
	646									DyLight 633	623/645							mTxRed	
	648					AF633	632/647					Opal 650	627/650					mTxRed	
	650																	mTxRed	
	652													iFluor 633	640/654			mTxRed	
	654																	mTxRed	
	656																	mTxRed	
	658							Atto 633	630/657							mFluor Green 630	537/657	mTxRed	
	660																	mTxRed	
	662																	mTxRed	
	664															mFluor Blue 660	481/663	mCy5	
	666					AF647	649/666											mCy5	mTxRed
	668									DyLight 649	652/667							mCy5	mTxRed
	670		Cy5	651/670				Atto 647	645/669					iFluor 647	656/670			mCy5	mTxRed
	672									DyLight 650	652/672							mCy5	mTxRed
	674																	mCy5	mTxRed
	676																	mCy5	mTxRed
	678													iFluor 660	663/678			mCy5	mTxRed
	680																	mCy5	mTxRed
	682							Atto 611X	611/681					iFluor 670	671/682			mCy5	
	684							Atto 655/665	663/684									mCy5	
	686																	mCy5	
	688																	mCy5	
	690																	mCy5	
	692													iFluor 665	667/692			mCy5	
	694											Opal 690	676/694					mCy5	
	696		Cy5.5	675/695												mFluor Red 700	680/695	mCy5	
	698																	mCy5	
	700							Atto 680	680/700					iFluor 675	683/700			mCy5	
	702					AF680	680/702							iFluor 680	684/701			mCy5	
	704													iFluor 690	685/704			mCy5	
	706									DyLight 680	677/705							mCy5	
	708																	mCy5	
	710																	mCy5	
	712																	mCy5	
	714													iFluor 700	690/713			mCy5	
	716																	mCy5	
	718																	mCy5	
	720					AF700	696/719	Atto 700	700/719									mCy5	
	722																	mCy5	
	724																	mCy5	
	726																	mCy5	
	728																	mCy5	
	730																		
	732																		
	734																		
	736																		
	738																		
	740													iFluor 710/720	717/739				
	742																		

Em (nm)	Standard	Ex/Em	Cyanine	Ex/Em	Alexa Fluor	Ex/Em	Atto	Ex/Em	Dylight	Ex/Em	Opal	Ex/Em	iFluor	Ex/Em	mFluor	Ex/Em
744																
746																
748																
750																
752							Atto 725		729/752							
754																
756																
758																
760																
762																
764							Atto 740		740/764				iFluor 740		742/764	
766																
768			Cy7		743/767										mFluor Red 780	
770											Opal Polaris 780		750/770			629/767
772									DyLight 750		751/772					
774																
776																
778																
780					AF750		752/779						iFluor 750		757/779	
782													iFluor A7		762/782	
784															mFluor UV780	760/783
786																
788																
790																
792																
794																
796									DyLight 800		770/795					
798													iFluor 770		777/797	
800																
802																
804																
806					AF790		782/805									
808			Cy7.5		788/808								iFluor 780		784/808	
810																
812													iFluor 790		787/812	
814																
816																
818																
820													iFluor 800		801/820	
822													iFluor 810		811/822	
824																
826																
828																
830																
832																
834																
836																
838																
840																
842																
844																
846																
848																
850													iFluor 820		822/850	

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