

Fluorochrome	Laser	Ex (nm)	Em (nm)	Filter	LP	ϵ (cm ⁻¹ M ⁻¹)	Quantum Yield	Brightness intensity	Brightness
PE		496,565	575	575/25	550	1960000	0.84	1646400	5
Brilliant Violet 421		405	421	450/50	-	2,500,000	0.65	1625000	5
eFluor 700 NC		660	690	670/30	-	3240000 (UV)	0.4	1296000	5
Brilliant Violet 605		405	605	610/20	600	2,400,000	0.29	696000	5
eFluor 650 NC		640	650	670/30	-	1110000	0.60	666000	5
eFluor 625 NC		610	625	630/30	600	458000	0.60	274800	5
APC		645	660	670/30	-	240000	0.68	163200	5
eFluor 605 NC		590	605	610/20	600	253000	0.60	151800	5
Texas Red			603			116000	0.9	104400	5
Cy5		649	670	670/30	-	250000	0.4	100000	5
Alexa Fluor 546		556	573	585/15	-	104000	0.96	99840	5
BD Horizon PE-CF594		488,532,561	612	610/20	600				5
Brilliant Violet 650		405	645	660/20	-	2,500,000	0.17	425000	4
Brilliant Violet 711		405	711	710/50	685	2,800,000	0.15	420000	4
Brilliant Violet 510		405	510	510/50	-	577000	0.44	253880	4
eFluor 585 NC		570	585	585/15	550	157000	0.60	94200	4
Alexa Fluor 647		650	668	670/30	-	239000	0.33	78870	4
Cy7		743	767	780/60	755	250000	0.28	70000	4
PE Cy5		496,565	670	670/30	635				4
PE Cy7		496,565	774	780/60	755				4
Brilliant Violet 570		405	570	585/42	570	2,300,000	0.08	184000	3
Brilliant Violet 785		405	785	780/60	755	2,500,000	0.04	100000	3
Alexa Fluor 568		578	603	610/20	565	91300	0.75	68475	3
Oregon Green 488		496	516	530/30	505	76000	0.9	68400	3
Alexa Fluor 488		495	519	530/30	505	71000	0.94	66740	3
Alexa Fluor 680		679	702	730/45	690	184000	0.36	66240	3
Alexa Fluor 532		532	554	530/30	505	81000	0.8	64800	3
eFluor 565 NC		550	565	575/25	550	105000	0.60	63000	3
DSRed (RFP)		558	583	585/15	-	75000	0.79	59250	3
Cy5.5		675	694	670/30	-	250000	0.23	57500	3
EYFP*		514	524	530/30	505	84000	0.63	52920	3
Venus		515	528	530/30	505	92000	0.57	52440	3
mOrange		546	562	575/25	550	71000	0.69	48990	3
7AAD		545	647	710/50	685	25000			3
APC Cy5.5		650	690	730/45	690				3
PE Cy5.5		496,565	690	710/50	685				3
PerCP Cy5.5		482	690	710/50	685				3
Alexa Fluor 660		663	690	670/30	-	132000	0.37	48840	2
Alexa Fluor 700		696	719	730/45	690	192000	0.25	48000	2
RFP Tomato		554	581	585/15	-	69000	0.69	47610	2
Alexa Fluor 594		590	617	610/20	600	73000	0.64	46720	2
FITC		493	525	530/30	505	78000	0.50	39000	2
eFluor 490 NC		470	490	510/20	495	59500	0.60	35700	2
eFluor 525 NC		505	525	530/30	505	57800	0.60	34680	2
EGFP*		489	508	530/30	505	55000	0.60	33000	2
APC/Alexa Fluor 750		650	774	780/60	755	240000	0.12	28800	2
mStrawberry		574	596	610/20	600	90000	0.29	26100	2
APC Cy7		650	774	780/60	755				2
PE Texas Red		496,565	613	610/20	600	116000			2
PerCP		482	675	670/30	635	320000			2
Hoechst Blue (33258)		352	455	450/50	-	40000	0.59	23600	1
Pacific Blue		410	455	450/50	-	29500	0.78	23010	1
Cy3		514, 547	566	575/25	550	150000	>0.15	22500	1
Indo-1 Violet (High Ca ²⁺)		330	405	450/50	-	33000	0.56	18480	1
Marina Blue		362	459	450/50	-	18700	0.89	16643	1
mCherry		587	610	610/20	600	72000	0.22	15840	1

DAPI		359	461	450/50	-	27000	0.58	15660	1
Alexa Fluor 555		555	565	585/15	-	150000	0.10	15000	1
Cascade Blue		398	420	450/50	-	29000	0.5	14500	1
Cascade Yellow		402	545	525/50	505	25000	0.56	14000	1
mRaspberry		597	624	610/20	600	86000	0.15	12900	1
mTangerine		568	585	585/15	-	38000	0.30	11400	1
ECFP		434	477	525/50	-	26000	0.40	10400	1
AmCyan		458	489	525/50	505	40000	0.24	9600	1
Lucifer Yellow CH		428	536	525/50	505	24200	0.21	5082	1
mBanana		540	553	530/30	505	6000	0.70	4200	1
mPlum		589	649	670/30	635	41000	0.10	4100	1
mHoneyDew		487	537	530/30	505	17000	0.12	2040	1
APC-H7		650	785	780/60	755				1
Pacific Orange		410	551	525/50	505				1
Alexa Fluor 555		555	565	575/25	550	150000			
EGFP*				510/20	495				
EYFP*				545/35	525				
Alexa Fluor 350		346	442	450/50	-	19000			??
Alexa Fluor 405		401	421	450/50	-	34000			??
Alexa Fluor 430		434	541	525/50	505	16000			??
Alexa Fluor 500		502	525	530/30	505	71000			??
Alexa Fluor 514		517	542	530/30	505	80000	0.1		??
Alexa Fluor 610		612	628	610/20	600	138000			??
Alexa Fluor 632		632	647	670/30	-	100000			??
Hoechst Red (33342)		350	650	670/30	635				??
Indo-1 Blue (Low Ca2+)		350	475	450/50	-				??
Live/Dead Aqua		367	526	525/50	505				??
Live/Dead Blue		350	450	450/50	-				??
Live/Dead Blue		750	775	780/60	755				??
Live/Dead Far Red		650	665	670/30	-				??
Live/Dead Green		495	520	530/30	505				??
Live/Dead Red		595	615	610/20	600				??
Live/Dead Violet		416	451	450/50	-				??
Live/Dead Yellow		400	575	575/25	550				??
PI (propidium iodide)		535	620	710/50	685				??
Qdot 525		350, 405	525	515/20	-	360000			??
Qdot 545		350, 405	545	550/40	535				??
Qdot 565		350, 405	565	560/40	557	1100000			??
Qdot 585		350, 405	585	585/42	570	2200000			??
Qdot 605		350, 405	605	605/40	595	2800000			??
Qdot 655		350, 405	655	660/40	640	5700000			??
Qdot 705		350, 405	705	705/70	670	8300000			??
Qdot 800		350, 405	800	780/60	750	8000000			??