

Fluorochrome	Ex (nm)	Em (nm)	Filter	LP	ϵ (cm ² M ⁻¹)	Quantum Yield	Brightness intensity	Brightness
Qdot 655	405	655	660/20	640	5700000	0.60	3420000	5
PE	496,565	575	575/25	550	1960000	0.84	1646400	5
Qdot 605	405	605	610/20	595	2800000	0.40	1120000	5
Qdot 585	405	585	585/15	570	2200000	0.40	880000	5
APC	645	660	670/30	-	240000	0.68	163200	5
Qdot 525	405	525	525/50	-	360000	0.40	144000	5
Texas Red	595	603	610/20	600	116000	0.90	104400	5
Alexa Fluor 546	556	573	585/15	-	104000	0.96	99840	5
Alexa Fluor 647	650	668	670/30	-	239000	0.33	78870	5
Qdot 800	405	800	780/60	750	8000000			5
Qdot 705	405	705	710/50	670	8300000			5
Cy5	649	670	660/20	-	250000	0.40	100000	4
RFP dTomato	554	581	585/15	-	138000	0.69	95220	4
PE Cy7	496,565	774	780/60	755				4
PE Cy5	496,565	670	660/20	635				4
Cy7	743	767	780/60	755	250000	0.28	70000	3
Alexa Fluor 568	578	603	610/20	565	91300	0.75	68475	3
Oregon Green 488	496	516	530/30	505	76000	0.90	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	560/40	557	81000	0.80	64800	3
DSRed (RFP)	558	583	585/15	-	75000	0.79	59250	3
EYFP*	514	524	530/30	505	84000	0.63	52920	3
Venus	515	528	530/30	505	92000	0.57	52440	3
m Orange	546	562	575/25	550	71000	0.69	48990	3
PerCP Cy5.5	482	690	710/50	685				3
PE Cy5.5	496,565	690	710/50	685				3
APC Cy5.5	650	690	730/45	690				3
7AAD	546	647	710/50	685	25000			3
Cy5.5	675	694	670/30	-	250000	0.23	57500	2
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
EGFP*	489	508	530/30	505	55000	0.60	33000	2
AmCyan	458	489	525/50	505	40000	0.75	30000	2
APC/Alexa Fluor 750	650	774	780/60	755	240000	0.12	28800	2
m Strawberry	574	596	610/20	600	90000	0.29	26100	2
PerCP	482	675	710/50	635	320000			2
PE Texas Red	496,565	613	610/20	600	116000			2
APC Cy7	650	774	780/60	755				2
Cy3	514	566	575/25	550	150000	>0.15	>22500	1
Hoechst Blue (33258)	352	455	450/50	-	40000	0.59	23600	1
Pacific Blue	410	455	450/50	-	29500	0.78	23010	1
Indo-1 Violet (High Ca2+)	330	405	450/50	-	33000	0.56	18480	1
Marina Blue	362	459	450/50	-	18700	0.89	16643	1
m Cherry	587	610	610/20	600	72000	0.22	15840	1
DAPI	345	461	450/50	-	27000	0.58	15660	1
Alexa Fluor 555	555	565	575/25	550	150000	0.10	15000	1
Cascade Blue	377	420	450/50	-	29000	0.50	14500	1
Cascade Yellow	402	545	525/50	505	25000	0.56	14000	1
m Raspberry	597	624	610/20	600	86000	0.15	12900	1
m Tangerine	568	585	585/15	-	38000	0.30	11400	1
ECFP	434	477	450/50	-	28000	0.40	10400	1
Alexa Fluor 430	434	541	525/50	505	16000	0.55	8800	1
Lucifer Yellow CH	428	536	525/50	505	24200	0.21	5082	1
m Banana	540	553	530/30	505	6000	0.70	4200	1
m Plum	589	649	670/30	635	41000	0.10	4100	1
m HoneyDew	487	537	530/30	505	17000	0.12	2040	1
Pacific Orange	410	551	525/50	505				1
APC-H7	650	785	780/60	755				1
Alexa Fluor 350	346	442	450/50	-	19000			1
Qdot 565	405	565	575/25	550	1100000			?
Qdot 545	406	545	550/40	535				?
PI (propidium iodide)	535	617	610/20	685				?
PE-Alexa Fluor 610	496,565	628	610/20	600				?
Indo-1 Blue (Low Ca2+)	350	475	450/50	-				?
Hoechst Red (33342)	350	650	670/30	635				?
Alexa Fluor 632	632	647	670/30	-	100000			?
Alexa Fluor 610	612	628	610/20	600	138000			?
Alexa Fluor 514	517	542	530/30	505	80000			?
Alexa Fluor 500	502	525	530/30	505	71000			?
Alexa Fluor 405	401	421	450/50	-	34000			?
EGFP*			510/20	495				
EYFP*			545/35	525				

633nm He-Ne Red Laser
561nm Yellow-Green Laser
488nm Argon or Blue Diode Laser
405nm Violet Laser
355nm IIV Laser