

<b><i>Fluorophores</i></b>	<b><i>EX</i></b>	<b><i>EM</i></b>
Alexa Fluor 405	401	421
Calcein Blue	375	420
Cascade Blue	400	420
DIDS	341	414
Fast Blue	365	420
Fluoro-Gold (low pH)	323	408
Indo-1 (high calcium)	330	401
LysoSensor Blue (pH5)	374	424
Mag-Indo-1	330	417
Pyrene	345	378
True Blue	365	420/430
Alexa Fluor 350	347	442
AMCA/AMCA-X	345	445
7-Amino-4 methylcoumarin	351	430
ANS	372	455
BFP (Blue Fluorescent Protein)	382	448
Calcein Blue	370	435
Calcofluor White (Standard Solution)	365	435
Calcofluor White (RW Solution)	370	440
Hoeschst 33342 & 33258	352	449
7-Hydroxy-4-methylcoumarin (Ph9)	360	449
LysoSensor Yellow/Blue (highpH)	329	440
4-Methylumbelliferone	360	449
Pacific Blue	410	455
Phorwhite BKL	370	430
Phorwhite Rev	380	430
Phorwhite RPA	375	430
SITS	337	436
SpectrumBlue	400	450
Stilbene	335	440
AFA	355/425	460
AmCyan	454	488
BOBO-1	462	481
BO-PRO-1	462	481
Calcofluor White (ABT Solution)	380	475
Cell Tracker Blue	453	466
Cerulean	433	475
CFP (Cyan Fluorescent Protein)	434	477
Chromomycin A3	450	470
CPM	385	471
Cy Pet	435	477

DAPI	358	461
Dansylchloride	380	475
Fluorescamine	390	460
1,5-IAEDANS	336	482
Marina Blue	365	460
mCFP	433	476
Monochlorobimane	380	461
POPO-1	434	456
PO-PRO	434	456
SpectrumAqua	433	480
SYTO 45	452	484
SYTOX Blue	445	470
Thiazole Orange	453	480
Aniline Blue	370	509
Azami Green	493	505
BODIPY 493/503	500	506
BODIPY 505/515	502	510
Calcofluor White	440	500/520
Cy2	489	506
DiO (DiOC18 (3))	484	501
Emerald	487	509
Fura-2 (high calcium)	335	505
GFP (enhanced)	488	508
GFP (sapphire)	395	508
GFP wt	395/475	509
LysoSensor Green DND 153 & 189	442	505
Mag-Fura-2	330	491
Maxilon Brilliant Flavin 10 GFF	450	495
Maxilon Brilliant Flavin 8 GFF	460	495
Midorishii Cyan	472	495
mTFP	462	492
Nuclear Yellow	365	495
PBF1	335	504
Pyrozal Brilliant Flavin 7GF	365	495
Quinacrine Mustard	423	503
SYTO 13	488	509
Turbo GFP	482	502
YO-PRO-1	491	509
YOYO-1	491	509
ZsGreen	492	505
Acridflavin	436	520
Alexa Fluor 488	495	519

Alexa Fluor 500	503	525
Aurophosphine	450/490	515
BODIPY 492/515	490	515
BODIPY 500/510	509	515
BODIPY FL	505	513
Calcein	494	517
5-Carboxyfluorescein (5-FAM)	492	518
CCF2(GeneBLAzer)	402	520
Dansyl cadaverine	335	518
Fluo-4	494	516
Fluorescein (FITC)	494	518
Fluoro-Jade	475	525
FluorX	494	519
Fura-2 (low[Ca])	363	512
LysoTracker Green	504	511
Mitofluor Green	490	516
MitoTracker Green	490	516
Oregon Green 488	496	524
Oregon Green 500	503	522
Qdot 525	UV	525
Rhodamine 110	496	520
Rhodol Green	499	525
SBFI	334	525
SpectrumGreen	497	524
SYTOXGreen	504	523
Tag YFP	508	524
T-Sapphire	399	511
Acridine Orange (+DNA)	500	526
Alexa Fluor 430	434	540
Alexa Fluor 514	518	540
BCECF (high pH)	503	528
BTC	401/464	529
Calcium Green -1	506	531
Cascade Yellow	402	545
Cell Tracker Green Bodipy	522	529
CI-NERF (low pH)	504	540
CL NERF (hi pH)	514	540
DM-NERF (4.5-6.5 pH)	510	536
ELF 97 alcohol	345	530
Eosin	524	544
Fluo-3	506	526
JC-1	514	529

JOJO -1	529	545
JO-PRO -1	529	545
Lucifer Yellow	428	536
LysoSensor Yellow/Blue (Ph 4.2)	384	540
LysoTracker Blue/White	466	536
LysoTracker Yellow	465	535
Magnesium Green	506	531
mCitrine	516	529
Mithramycin	395	535
NBD (amine)	465	535
Oregon Green 514	511	530
Rhodamine 123	507	529
Phi YFP	525	537
Rhodamine Green	502	527
Serotonin	365	520/540
Sevron Orange	440	530
Sodium Green	507	535
SYTO 11	508	527
Topaz	514	527
TO-PRO -1	514	533
TOTO -1	514	533
Turbo YFP	525	538
YFP (Yellow Fluorescent Protein)	513	527
Ypet	517	530
Venus	515	528
ZsYellow	528	540
Acridine red	455/600	560/680
Acridine yellow	470	550
Alexa Fluor 532	531	554
Alexa Fluor 555	553	568
ATTO-TAG CBQCA	465	560
Auramine O-Feulgen	460	550
BODIPY 530/550	533	550
BODIPY 558/568	558	568
BODIPY 564/570	564	570
5 CarboxyRhodamine 6G	525	555
Cy3	550	570
Dil (DiI C 18(3))	549	565
Erythrosin	529	554
Fluoro-Gold (high pH)	368	565
HiLytePlus 555	552	567
6-JOE	525	555

Kusabira Orange	548	559
mBanana	540	553
Mithramycin	450	570
mOrange	548	562
Phosphine 3R	465	565
PKH26	551	567
PyMPO	415	570
Qdot565	UV	565
Rhodamine Phalloidin	542	565
Rhodamine WT	530	555
SNAFL-2	525	546
SpectrumGold	530	555
Sulforhodamine G	529	548
SYTOX Orange	547	570
5-TAMRA	542	568
Tetracycline	390	560
Alexa Fluor 546	556	573
Aurophosphine G	450	580
BODIPY TMR	542	574
Calcium Orange	549	576
CryptoLight CF-3	545	576
CryptotoLight CF-4	555	580
Dapoxyl	373	574
DsRed Express	555	584
DsRed 2 (Red Fluorescent Protein)	558	583
d/Td Tomato	554	581
ER Tracker Blue/White	374	575
LOLO -1	565	579
LO-PRO -1	565	579
Merocyanine 540	500	572
MitoTacker Orange	551	576
mTangerine	568	585
Nuclear Fast Red	289/530	580
Phosphine R	480/565	578
POPO -3	534	572
PO-PRO -3	534	572
Pyronin Y	555	580
Qdot 585	UV	585
Resorufin	570	585
Rhod-2	550	571
Rhodamine B	555	580
Rhodamine BB	540	580

Rhodamine BG	540	572
R-PE	488	575
R-phycoerythrin (PE)	565	575
Sevron Brilliant Red 4G	500	583
Sulforhodamine B	565	585
Tetramethylrhodamine (TRITC)	555	580
Thiazine Red R	510	580
Turbo RFP	553	574
Alexa Fluor 568	579	604
AsRed	577	597
ATTO-TAG FG	486	591
Bisbenzamide	360	600/610
BOBO -3	570	604
BO-PRO -3	570	604
BODIPY 581/591	582	590
CL NERF (low pH)	504	587
CryptoLight CF-5	566	597
Cy 3.5	581	596
Di-4-ANEPPS	488	605
Di-8-ANEPPS	488	605
Ethidium bromide	518	605
FM 1-43	479	598
Lissamine rhodamine B	570	590
LysoTracker Red	577	592
Magdala Red	524	600
MitoTracker Red	578	599
mStrawberry	574	596
Nano Orange	485	590
Procion Yellow	470	600
Qdot 605	UV	605
Rhodamine Red	570	590
RITC	570	595
5-ROX (carboxy-X-rhodamine)	574	602
Sevron Brilliant Red B	530	590
Sevron Brilliant Red 2B	520	595
Sevron Yellow L	430	590
SpectrumOrange	559	588
Sulforhodamine	586	605
X-Rhodamine (XRITC)	580	605
Acid Fuchin	540	630
Acridine Orange (+RNA)	460	650
Alexa Fluor 594	590	620

Alexa Fluor 610	612	628
Alexa Fluor 633	632	647
7-Aminoactinomycin D (7-AAD)	546	647
BODIPY 630/650-X	630	650
BODIPY TR-X	589	617
Calcium Crimson	590	615
C-phycocyanin	620	648
CryptoLight CF-1	575	641
CryptoLight CF-2	585	658
CryptoLight CF-6	566	615
CTC Formazan	450	630
Di-8 ANEPPS	468	635
DiA (4-Di-16-ASP)	491	613
Ethidium Homodimer-1 (EthD-1)	528	617
Europium (III) Chloride	337	613
Fura Red (high calcium)	436	637
HcRed	591	613
Jred	584	610
Keima Red	440	620
mCherry	587	610
Mitofluor Far Red	680	650/773
Mitofluor Red 589	588	622
Mitofluor Red 594	598	630
MitoTracker Red 580	581	644
MitoTracker Deep Red 633	644	655
mPlum	590	649
mRaspberry	598	625
mRFP	584	607
Nile Red	549	628
Pararosaniline	570	625
PE-Alexa Fluor 610	488	628
PE-Texas Red	488	615
Propidium Iodide	536	617
Qdot 655	UV	655
RH 414	500	635
R-phycocyanin	618	642
SNAFL-1 (high pH)	576	635
SNARF-1 (high pH)	575	635
SpectrumRed	587	612
SYTO 17	621	634
Texas Red/Texas Red -X	595	615
YO-PRO -3	612	631

YOYO-3	612	631
Alexa Fluor 647	653	669
Alexa Fluor 660	663	690
Alexa Fluor 680	679	702
Alexa Fluor 700	702	723
Alexa Fluor 750	749	775
Allophycocyanin (APC)	650	660
APC	633/635	660
APC-Cy5.5	633/635	694
APC-Cy7	633/635	767
BODIPY 65000/665-X	650	665
BODIPY 665/676	665	676
5-Carboxynaphthofluorescein	598	668
Cy5	649	670
Cy5.5	675	694
Cy7	743	767
DiD (DiIC 18 (5))	644	665
DiR (DiIC18 (7))	750	779
HiLytePlus 647	649	669
HiLytePlus 750	751	779
PE-Alexa Fluor 647	633/635	668
PE-Cy5	633/635	670
PE-Cy5.5	633/635	694
PE-Cy7	633/635	767
PerCP	488	675
PerCP/Cy5.5	488	710
RH 414	532	716
SensiLight P1	545	666
SensiLight P3	614	662
SpectrumFRed	655	675
TO-PRO -3	642	660
TO-PRO -5	748	768
TOTO-3	642	660
Ultralite	656	678