

Blue emitters (<499nm)

<u>Name</u>	<u>Excitation wavelength</u>	<u>Emission wavelength</u>
Alexa Fluor 350	346	442
Alexa Fluor 405	401	421
AMCA	350	450
Cascade Blue	400	420
EviTag™ quantum dots - Lake Placid Blue (490 nm)	<400	490
Fluoroblu	350	450
Image-Blue	380	465
Marina Blue	365	460
Pacific Blue	410	455

Green emitters (500-549nm)

<u>Name</u>	<u>Excitation wavelength</u>	<u>Emission wavelength</u>
5-FAM	494	522
6-FAM	492	517
Alexa Fluor 430	434	539
Alexa Fluor 488	495	519
Alexa Fluor 488 FluoroNanogold	495	519
Alexa Fluor 500	503	525
Alexa Fluor 514	518	540
BODIPY FL	505	513
CMNB-caged Fluorescein	494	518
Cyanine 2	492	510
DTAF	495	520
DTAF/FITC	495	520
dUTP-Biotin and Avidin FITC	495	520
dUTP-FITC	495	520
EviTag™ quantum dots - Adirondack Green (520 nm)	<400	520
EviTag™ quantum dots - Catskill Green (540 nm)	<400	540
FITC (Fluorescein)	495	520
Fluorescein-5-EX, succinimidyl ester (FSE)	495	520
Hi FITC	495	520
JOE	520	548
MFP488	501	523
Oregon Green 488	496	524
Oregon Green 514	511	530
Qdot 525	488	515
TET™	521	536

Yellow emitters (550-584nm)

<u>Name</u>	<u>Excitation wavelength</u>	<u>Emission wavelength</u>
5-TAMRA	546	574
Alexa Fluor 532	531	554
Alexa Fluor 546	556	573
Alexa Fluor 555	555	565
Atto 550	554	576
CAL Fluor® Gold 540	522	544
CAL Fluor® Orange 560	538	559
Cyanine 3	550	570
DyLight 547	547	574
EviTag™ quantum dots - Birch Yellow (580 nm)	<400	580
EviTag™ quantum dots - Hops Yellow (560 nm)	<400	560
HEX™	535	556
NED	546	575
Qdot 565	<500	565
Quasar® 570	548	566
R-Phycoerythrin (R-PE)	488	575
TRITC (Rhodamine)	550	570
VIC	538	554

Orange emitters (585-615nm)

<u>Name</u>	<u>Excitation wavelength</u>	<u>Emission wavelength</u>
Alexa Fluor 568	578	603
CAL Fluor® Red 590	569	591
CAL Fluor® Red 610	569	610
Cyanine 3.5	581	596
DyeMer 488/605	488	605
DyeMer 488/615	488	615
EviTag™ quantum dots - Fort Orange (600 nm)	<400	600
Lissamine Rhodamine	570	590
MFP555	560	585
Qdot 585	532	585
Qdot 605	<600	605
ROX	575	602
R-Phycoerythrin-Texas Red (PE-Texas Red, ECD)	480-565	615

Red emitters (616-700nm)

<u>Name</u>	<u>Excitation wavelength</u>	<u>Emission wavelength</u>
Alexa Fluor 594	590	617
Alexa Fluor 594 FluoroNanogold	590	617
Alexa Fluor 610	612	628
Alexa Fluor 610-R-PE	496, 546, 565	630
Alexa Fluor 633	632	647
Alexa Fluor 635	633	648
Alexa Fluor 647	650	668
Alexa Fluor 647-R-phycoerythrin	496, 546, 565	668
Alexa Fluor 660	663	690
Allophycocyanin (APC)	650	660
Allophycocyanin-Cyanine 5	633	670
Allophycocyanin-Cyanine 5.5	633	690
Atto 647	645	669
CAL Fluor® Red 635	618	637
Cyanine 5	650	670
DyLight 647	647	673
DyeMer 488/630	488	630
Dyomics 647	660	673
Lightcycler Red- 640	625	640
PBXL-1	545	666
PBXL-3	614	662
PerCP (Peridinin Chlorophyll)	490	675
PerCP-Cy5.5	488	695
Qdot 655	<620	655
Quantum Red	488	660
Quasar® 670	647	667
Rhodamine Red-X	570	590
R-Phycocyanin (R-PC)	614	647
R-Phycoerythrin-Cyanine 5 (Cy-Chrome, PC5, Tri-Color, Spectral Red)	488	660
Sulforhodamine	585	620
Texas Red	596	620

Far-Red emitters (>700nm)

<u>Name</u>	<u>Excitation wavelength</u>	<u>Emission wavelength</u>
Alexa Fluor 680	679	702
Alexa Fluor 680-Allophycocyanin	650	702
Alexa Fluor 680-R-phycoerythrin	555	700
Alexa Fluor 700	702	723
Alexa Fluor 700-Allophycocyanin	650	723
Alexa Fluor 750	749	775
Alexa Fluor 750-Allophycocyanin	650	775
Allophycocyanin-Cyanine 7	633	760
Cyanine 5.5	678	703
Cyanine 7	710	805



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Cyanine Q (Cyanine 5.18)	488	670
IRDYE700DX	689	700
IRDYE800	778	795
IRDYE800CW	774	800
NIRD700	682	701
Qdot 705	<700	705
Qdot 800	<600	800
R-Phycoerythrin-Cyanine 5.5	488	703
R-Phycoerythrin-Cyanine 7 (PC7)	488	805