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[Fluorescence Dye and Filter Da...](#) [Overview Filter Sets](#)

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Filter Set

Filter Set 77 HE (489077-0000-000) [Price](#)

Note: Additional components can influence efficiency.

Filter Set

- Excitation
- Emission
- Beam Splitter

77 HE

- TBP 483 + 564 + 642 (HE)
- TBP 526 + 601 + 688 (HE)
- TFT 506 + 582 + 659 (HE)

138 possible dyes found:

Show total efficiency

Please note that the given values are typical only and not guaranteed.

138 possible dyes found:

Sample Fluorescent Dyes	Excitation	Emission
5-FAM pH 9.0	492 nm	518 nm
5-ROX (5-Carboxy-X-rhodamine, triethylammonium salt)	578 nm	604 nm
5-ROX pH 7.0	578 nm	604 nm
5-TAMRA	549 nm	577 nm
5-TAMRA pH 7.0	553 nm	576 nm
Alexa 488	493 nm	520 nm
Alexa 546	562 nm	573 nm
Alexa 568	576 nm	603 nm
Alexa 647	653 nm	669 nm
Alexa 660	664 nm	691 nm
Alexa Fluor 488 antibody conjugate pH 8.0	499 nm	520 nm
Alexa Fluor 488 hydrazide-water	493 nm	518 nm
Alexa Fluor 568 antibody conjugate pH 7.2	579 nm	603 nm
Alexa Fluor 610 R-phycoerythrin streptavidin pH 7.2	567 nm	627 nm

Alexa Fluor 647 antibody conjugate pH 7.2	653 nm	668 nm
Alexa Fluor 647 R-phycoerythrin streptavidin pH 7.2	569 nm	666 nm
Alexa Fluor 660 antibody conjugate pH 7.2	663 nm	691 nm
Allophycocyanin pH 7.5	651 nm	660 nm
APC (allophycocyanin)	650 nm	660 nm
Atto 647	644 nm	670 nm
BCECF pH 5.5	485 nm	521 nm
BCECF pH 9.0	501 nm	527 nm
BO-PRO-1-DNA	462 nm	482 nm
BO-PRO-3-DNA	574 nm	604 nm
BOBO-1-DNA	461 nm	484 nm
BOBO-3-DNA	570 nm	605 nm
BODIPY 650/665-X, MeOH	646 nm	664 nm
BODIPY FL conjugate	503 nm	512 nm
BODIPY TMR-X antibody conjugate pH 7.2	544 nm	573 nm
Bodipy TMR-X conjugate	544 nm	573 nm
BODIPY TR-X phalloidin pH 7.0	590 nm	621 nm
BODIPY TR-X, MeOH	588 nm	621 nm
BODIPY TR-X, SE	588 nm	621 nm
BOPRO-1	462 nm	482 nm
BOPRO-3	574 nm	604 nm
Calcein	493 nm	514 nm
Calcein pH 9.0	494 nm	514 nm
Calcium Orange	549 nm	574 nm
Calcium Orange Ca ²⁺	549 nm	573 nm
Carboxynaphthofluorescein pH 10.0	600 nm	674 nm
CFDA	495 nm	517 nm
CI-NERF pH 2.5	504 nm	541 nm
Cy 2	489 nm	503 nm
Cy 3.5	578 nm	591 nm
Cy 5	646 nm	664 nm
CyQUANT GR-DNA	502 nm	523 nm
DDAO pH 9.0	648 nm	657 nm
Di-8 ANEPPS	469 nm	630 nm
Di-8-ANEPPS-lipid	469 nm	631 nm
DiO	487 nm	501 nm
DM-NERF pH 4.0	493 nm	530 nm
DsRed	563 nm	581 nm
DTAF	495 nm	517 nm
dTomato	554 nm	581 nm
DyLight 488	493 nm	518 nm
DyLight 649	652 nm	668 nm
eGFP (Enhanced Green Fluorescent Protein)	488 nm	509 nm
Ethidium Bromide	524 nm	605 nm
Ethidium homodimer	528 nm	617 nm
Ethidium homodimer-1-DNA	528 nm	617 nm

evoglow-Bs1	448 nm	496 nm
evoglow-Bs2	448 nm	496 nm
evoglow-Pp1	448 nm	495 nm
FDA	495 nm	517 nm
FITC	495 nm	517 nm
FITC antibody conjugate pH 8.0	495 nm	519 nm
Fluo-3 Ca2+	506 nm	527 nm
Fluo-4	494 nm	516 nm
Fluor-Ruby	554 nm	582 nm
Fluorescein	495 nm	517 nm
Fluorescein 0.1 M NaOH	493 nm	513 nm
Fluorescein antibody conjugate pH 8.0	493 nm	517 nm
Fluorescein dextran pH 8.0	501 nm	524 nm
Fluorescein pH 9.0	490 nm	514 nm
Fluoro-Emerald	495 nm	524 nm
FM 1-43	472 nm	578 nm
FM 1-43 lipid	473 nm	579 nm
FM 4-64	508 nm	751 nm
FM 4-64, 2% CHAPS	506 nm	751 nm
Fura Red, low Ca	472 nm	673 nm
GFP (S65T)	489 nm	509 nm
HcRed	590 nm	614 nm
JC-1	592 nm	595 nm
JC-1 pH 8.2	593 nm	595 nm
Lissamine rhodamine	572 nm	590 nm
LOLO-1-DNA	568 nm	580 nm
LysoSensor Green	447 nm	504 nm
LysoSensor Green pH 5.0	447 nm	502 nm
LysoTracker Red	578 nm	589 nm
Magnesium Orange	550 nm	575 nm
mCherry	587 nm	610 nm
mHoneydew	478 nm	562 nm
MitoTracker Green	490 nm	512 nm
MitoTracker Green FM, MeOH	490 nm	512 nm
MitoTracker Orange	551 nm	575 nm
MitoTracker Orange, MeOH	551 nm	575 nm
MitoTracker Red	578 nm	599 nm
MitoTracker Red, MeOH	578 nm	599 nm
mPlum	587 nm	649 nm
mRFP	585 nm	608 nm
mStrawberry	575 nm	596 nm
mTangerine	568 nm	585 nm
NBD-X	466 nm	534 nm
NBD-X, MeOH	467 nm	538 nm
NeuroTrace 500/525, green fluorescent Nissl stain-RNA	497 nm	524 nm
Nile Blue, EtOH	631 nm	660 nm

Nile Red	559 nm	637 nm
Nile Red-lipid	553 nm	636 nm
Nissl	497 nm	524 nm
Oregon Green 488	498 nm	526 nm
Oregon Green 488 antibody conjugate pH 8.0	498 nm	526 nm
PicoGreen dsDNA quantitation reagent	502 nm	522 nm
Propidium Iodide	538 nm	617 nm
Propidium Iodide-DNA	538 nm	619 nm
Resorufin	571 nm	584 nm
Resorufin pH 9.0	571 nm	584 nm
Rhod-2	552 nm	577 nm
Rhod-2 Ca ²⁺	553 nm	578 nm
Rhodamine	551 nm	573 nm
Rhodamine 110	497 nm	520 nm
Rhodamine 110 pH 7.0	497 nm	520 nm
Rhodamine Green	497 nm	524 nm
Rhodamine phalloidin pH 7.0	558 nm	575 nm
Rhodamine Red-X antibody conjugate pH 8.0	573 nm	591 nm
Rhodamine Green pH 7.0	497 nm	523 nm
Rhodol Green antibody conjugate pH 8.0	499 nm	524 nm
Sulforhodamine 101, EtOH	578 nm	593 nm
SYBR Green I	498 nm	522 nm
SYPRO Ruby	467 nm	618 nm
SYTO 13-DNA	488 nm	506 nm
Tetramethylrhodamine antibody conjugate pH 8.0	552 nm	578 nm
Tetramethylrhodamine dextran pH 7.0	555 nm	582 nm
TO-PRO-3-DNA	642 nm	657 nm
TOTO-3-DNA	642 nm	661 nm
TRITC	550 nm	573 nm
X-Rhod-1 Ca ²⁺	580 nm	602 nm
YO-PRO-1-DNA	491 nm	507 nm
YOYO-1-DNA	491 nm	509 nm