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(within US and Canada)

BrightLine® Pinkel filter set, optimized for mTFP (Teal), Venus, & mCherry and other like fluorophores, illuminated with LED-based light sources

This 5-filter "Pinkel" triple-band set is designed for imaging of a sample that is simultaneously labeled with mTFP (Teal), Venus, and mCherry, (or other key fluorophores – see complete list above). This state-of-the-art set represents a break-through in triple-band performance, and has been optimized for popular LED-based light sources. This set has been designed to deliver significant fluorescence signal improvements for LED-based light sources compared with traditional sets designed for standard broadband light sources such as mercury or xenon arc lamps. The complete set is comprised of a triple-band beamsplitter and a triple-band emitter (these can be offered assembled in a microscope cube), plus three "no burn-out" single-band exciters that are intended to be mounted in the LED based light source, or in an exciter filter wheel or slider.

Individual filters and filter sets (no cube):

These filters sets contain individual filters. For filter sets already mounted in a holder/cube, scroll down to see complete mounted sets with cubes.

Part Number	Price ¹	Stock Status	
<input checked="" type="checkbox"/> LED-mTFP/Venus/mCherry-3X-A-000 (Standard size set, fits most microscopes)	\$1,565	Contact Us	
Filter Role	Filter Size	Part Number	Price¹
Single Band Exciter	25 mm x 5.0 mm	FF01-442/42-25	\$355
Single Band Exciter	25 mm x 5.0 mm	FF01-513/13-25	\$355
Single Band Exciter	25 mm x 5.0 mm	FF01-578/21-25	\$355
Triple Band Emitter	25 mm x 3.5 mm	FF01-484/543/702-25	\$435
Triple Band Dichroic	25.2 mm x 35.6 mm x 1.1 mm	FF468/526/596-Di01-25x36	\$435
<input checked="" type="checkbox"/> LED-mTFP/Venus/mCherry-3X-A-000-ZERO (Standard size - ZERO pixel set)	\$1,664	Contact Us	
Filter Role	Filter Size	Part Number	Price¹
Single Band Exciter	25 mm x 5.0 mm	FF01-442/42-25	\$355
Single Band Exciter	25 mm x 5.0 mm	FF01-513/13-25	\$355
Single Band Exciter	25 mm x 5.0 mm	FF01-578/21-25	\$355
Triple Band Emitter	25 mm x 3.5 mm	FF01-484/543/702-25	\$435
Triple Band Dichroic	25.2 mm x 35.6 mm x 1.1 mm	FF468/526/596-Di01-25x36	\$435
-ZERO set certification		-ZERO	\$99
<input checked="" type="checkbox"/> LED-mTFP/Venus/mCherry-3X-A-L01 (Leica 'Large' set)	\$1,565	Contact Us	
Filter Role	Filter Size	Part Number	Price¹
Single Band Exciter	25 mm x 5.0 mm	FF01-442/42-25	\$355
Single Band Exciter	25 mm x 5.0 mm	FF01-513/13-25	\$355
Single Band Exciter	25 mm x 5.0 mm	FF01-578/21-25	\$355
Triple Band Emitter	23.3 mm x 2.0 mm	FF01-484/543/702-23.3-D	\$435
Triple Band Dichroic	22.0 mm x 29.0 mm x 1.1 mm	FF468/526/596-Di01-22x29	\$435
<input checked="" type="checkbox"/> LED-mTFP/Venus/mCherry-3X-A-L01-ZERO (Leica 'Large' - ZERO pixel set)	\$1,664	Contact Us	
Filter Role	Filter Size	Part Number	Price¹
Single Band Exciter	25 mm x 5.0 mm	FF01-442/42-25	\$355
Single Band Exciter	25 mm x 5.0 mm	FF01-513/13-25	\$355
Single Band Exciter	25 mm x 5.0 mm	FF01-578/21-25	\$355

Single Band Exciter	25 mm x 5.0 mm	FF01-513/13-25	\$355
Triple Band Emitter	23.3 mm x 2.0 mm	FF01-484/543/702-23.3-D	\$435
Triple Band Dichroic	22.0 mm x 29.0 mm x 1.1 mm	FF468/526/596-Di01-22x29	\$435
-ZERO set certification		-ZERO	\$99

\$1,625

[Contact Us](#)

Filter Role	Filter Size	Part Number	Price ¹
Single Band Exciter	25 mm threaded ring for Sutter Lambda filter wheel	FF01-442/42-25-STR	\$375
Single Band Exciter	25 mm threaded ring for Sutter Lambda filter wheel	FF01-513/13-25-STR	\$375
Single Band Exciter	25 mm threaded ring for Sutter Lambda filter wheel	FF01-578/21-25-STR	\$375
Triple Band Emitter	25 mm x 3.5 mm	FF01-484/543/702-25	\$435
Triple Band Dichroic	25.2 mm x 35.6 mm x 1.1 mm	FF468/526/596-Di01-25x36	\$435

\$1,724

[Contact Us](#)

Filter Role	Filter Size	Part Number	Price ¹
Single Band Exciter	25 mm threaded ring for Sutter Lambda filter wheel	FF01-442/42-25-STR	\$375
Single Band Exciter	25 mm threaded ring for Sutter Lambda filter wheel	FF01-513/13-25-STR	\$375
Single Band Exciter	25 mm threaded ring for Sutter Lambda filter wheel	FF01-578/21-25-STR	\$375
Triple Band Emitter	25 mm x 3.5 mm	FF01-484/543/702-25	\$435
Triple Band Dichroic	25.2 mm x 35.6 mm x 1.1 mm	FF468/526/596-Di01-25x36	\$435
-ZERO set certification		-ZERO	\$99

1) US domestic pricing only. If you are ordering from outside the US, please contact your nearest [regional distributor](#) for the correct list price.

Complete filter sets mounted in microscope holders/cubes:

These sets are delivered already mounted in microscope filter holders, often called 'cubes', ready to be dropped into your microscope.

Nikon Quadfluor for microscopes: E200, E400, E600, E800, E1000, TS100, TS100F, TE200, TE300, ME600L, L150A, and some Labophot, Optiphot, and Diaphot series

LED-mTFP/Venus/mCherry-3X-A-NQF (set mounted in cube) \$1,960 [Contact Us](#)

Filter Role	Filter Size	Part Number	Price ¹
Single Band Exciter	25 mm x 5.0 mm	FF01-442/42-25	\$355
Single Band Exciter	25 mm x 5.0 mm	FF01-513/13-25	\$355
Single Band Exciter	25 mm x 5.0 mm	FF01-578/21-25	\$355
Triple Band Emitter	25 mm x 3.5 mm	FF01-484/543/702-25	\$435
Triple Band Dichroic	25.2 mm x 35.6 mm x 1.1 mm	FF468/526/596-Di01-25x36	\$435
Quadfluor cube		NQF	\$395

LED-mTFP/Venus/mCherry-3X-A-NQF-ZERO (-ZERO pixel set mounted in cube) \$2,059 [Contact Us](#)

Filter Role	Filter Size	Part Number	Price ¹
Single Band Exciter	25 mm x 5.0 mm	FF01-442/42-25	\$355
Single Band Exciter	25 mm x 5.0 mm	FF01-513/13-25	\$355
Single Band Exciter	25 mm x 5.0 mm	FF01-578/21-25	\$355
Triple Band Emitter	25 mm x 3.5 mm	FF01-484/543/702-25	\$435
Triple Band Dichroic	25.2 mm x 35.6 mm x 1.1 mm	FF468/526/596-Di01-25x36	\$435
Quadfluor cube		NQF	\$395
-ZERO set certification		-ZERO	\$99

Nikon TE 2000 for microscopes: TE 2000, 50i, 55i, 80i, 90i, Eclipse Ti, Ni, and Ci series, and any using the Epi-fluor Illuminator

LED-mTFP/Venus/mCherry-3X-A-NTE (set mounted in cube) \$1,960 [Contact Us](#)

Filter Role	Filter Size	Part Number	Price ¹
Single Band Exciter	25 mm x 5.0 mm	FF01-442/42-25	\$355
Single Band Exciter	25 mm x 5.0 mm	FF01-513/13-25	\$355
Single Band Exciter	25 mm x 5.0 mm	FF01-578/21-25	\$355
Triple Band Emitter	25 mm x 3.5 mm	FF01-484/543/702-25	\$435
Triple Band Dichroic	25.2 mm x 35.6 mm x 1.1 mm	FF468/526/596-Di01-25x36	\$435
TE 2000 cube		NTE	\$395

LED-mTFP/Venus/mCherry-3X-A-NTE-ZERO (-ZERO pixel set mounted in cube) \$2,059 [Contact Us](#)

Filter Role	Filter Size	Part Number	Price ¹
Single Band Exciter	25 mm x 5.0 mm	FF01-442/42-25	\$355

Single Band Exciter	25 mm x 5.0 mm	FF01-442/42-25	\$355
Single Band Exciter	25 mm x 5.0 mm	FF01-513/13-25	\$355
Single Band Exciter	25 mm x 5.0 mm	FF01-578/21-25	\$355
Triple Band Emitter	25 mm x 3.5 mm	FF01-484/543/702-25	\$435
Triple Band Dichroic	25.2 mm x 35.6 mm x 1.1 mm	FF468/526/596-Di01-25x36	\$435
TE 2000 cube		NTE	\$395
-ZERO set certification		-ZERO	\$99

Olympus U-MF2 for microscopes: AX70, BX, BX41, BX50, BX51, BX60, BX61, BX50/51WI, BX60/61WI, IX50, IX51, IX70, IX71, IX81

LED-mTFP/Venus/mCherry-3X-A-OMF (set mounted in cube) \$2,000 [Contact Us](#)

Filter Role	Filter Size	Part Number	Price ¹
Single Band Exciter	25 mm x 5.0 mm	FF01-442/42-25	\$355
Single Band Exciter	25 mm x 5.0 mm	FF01-513/13-25	\$355
Single Band Exciter	25 mm x 5.0 mm	FF01-578/21-25	\$355
Triple Band Emitter	25 mm x 3.5 mm	FF01-484/543/702-25	\$435
Triple Band Dichroic	25.2 mm x 35.6 mm x 1.1 mm	FF468/526/596-Di01-25x36	\$435
U-MF2 cube		OMF	\$435

LED-mTFP/Venus/mCherry-3X-A-OMF-ZERO (-ZERO pixel set mounted in cube) \$2,099 [Contact Us](#)

Filter Role	Filter Size	Part Number	Price ¹
Single Band Exciter	25 mm x 5.0 mm	FF01-442/42-25	\$355
Single Band Exciter	25 mm x 5.0 mm	FF01-513/13-25	\$355
Single Band Exciter	25 mm x 5.0 mm	FF01-578/21-25	\$355
Triple Band Emitter	25 mm x 3.5 mm	FF01-484/543/702-25	\$435
Triple Band Dichroic	25.2 mm x 35.6 mm x 1.1 mm	FF468/526/596-Di01-25x36	\$435
U-MF2 cube		OMF	\$435
-ZERO set certification		-ZERO	\$99

Olympus U-FF for microscopes: BX53, BX63

LED-mTFP/Venus/mCherry-3X-A-OFF (set mounted in cube) \$2,000 [Contact Us](#)

Filter Role	Filter Size	Part Number	Price ¹
Single Band Exciter	25 mm x 5.0 mm	FF01-442/42-25	\$355
Single Band Exciter	25 mm x 5.0 mm	FF01-513/13-25	\$355
Single Band Exciter	25 mm x 5.0 mm	FF01-578/21-25	\$355
Triple Band Emitter	25 mm x 3.5 mm	FF01-484/543/702-25	\$435
Triple Band Dichroic	25.2 mm x 35.6 mm x 1.1 mm	FF468/526/596-Di01-25x36	\$435
U-FF cube		OFF	\$435

LED-mTFP/Venus/mCherry-3X-A-OFF-ZERO (-ZERO pixel set mounted in cube) \$2,099 [Contact Us](#)

Filter Role	Filter Size	Part Number	Price ¹
Single Band Exciter	25 mm x 5.0 mm	FF01-442/42-25	\$355
Single Band Exciter	25 mm x 5.0 mm	FF01-513/13-25	\$355
Single Band Exciter	25 mm x 5.0 mm	FF01-578/21-25	\$355
Triple Band Emitter	25 mm x 3.5 mm	FF01-484/543/702-25	\$435
Triple Band Dichroic	25.2 mm x 35.6 mm x 1.1 mm	FF468/526/596-Di01-25x36	\$435
U-FF cube		OFF	\$435
-ZERO set certification		-ZERO	\$99

Zeiss FL Cube EC P+C for microscopes: Axio Imager, AxioStar Plus, Axioskop 40, Axioskop 2 (post-2001), AxioPlan 2i, AxioPlan 2ie, Axiovert 200, Axiovert 40, Axio Observer, Axio Examiner and Axio Scope A1

LED-mTFP/Venus/mCherry-3X-A-ZHE (set mounted in cube) \$1,840 [Contact Us](#)

Filter Role	Filter Size	Part Number	Price ¹
Single Band Exciter	25 mm x 5.0 mm	FF01-442/42-25	\$355
Single Band Exciter	25 mm x 5.0 mm	FF01-513/13-25	\$355
Single Band Exciter	25 mm x 5.0 mm	FF01-578/21-25	\$355
Triple Band Emitter	25 mm x 3.5 mm	FF01-484/543/702-25	\$435
Triple Band Dichroic	25.2 mm x 35.6 mm x 1.1 mm	FF468/526/596-Di01-25x36	\$435
FL Cube EC P+C cube		ZHE	\$275

LED-mTFP/Venus/mCherry-3X-A-ZHE-ZERO (-ZERO pixel set mounted in cube) \$1,939 [Contact Us](#)

Filter Role	Filter Size	Part Number	Price ¹
Single Band Exciter	25 mm x 5.0 mm	FF01-442/42-25	\$355
Single Band Exciter	25 mm x 5.0 mm	FF01-513/13-25	\$355

Single Band Exciter	25 mm x 5.0 mm	FF01-5/8/21-25	\$355
Triple Band Emitter	25 mm x 3.5 mm	FF01-484/543/702-25	\$435
Triple Band Dichroic	25.2 mm x 35.6 mm x 1.1 mm	FF468/526/596-Di01-25x36	\$435
FL Cube EC P+C cube		ZHE	\$275
-ZERO set certification		-ZERO	\$99

Leica DM-K for microscopes: DM-2000, DM-2500, DM-3000, DMI3000 B, DM-4000, DMI4000 B, DM-5000, DM-5500, and DM-6000, DMI6000 B

LED-mTFP/Venus/mCherry-3X-A-LDMK (set mounted in cube) \$1,915 [Contact Us](#)

Filter Role	Filter Size	Part Number	Price ¹
Single Band Exciter	25 mm x 5.0 mm	FF01-442/42-25	\$355
Single Band Exciter	25 mm x 5.0 mm	FF01-513/13-25	\$355
Single Band Exciter	25 mm x 5.0 mm	FF01-578/21-25	\$355
Triple Band Emitter	23.3 mm x 2.0 mm	FF01-484/543/702-23 3-D	\$435
Triple Band Dichroic	22.0 mm x 29.0 mm x 1.1 mm	FF468/526/596-Di01-22x29	\$435
DM-K cube		LDMK	\$350

LED-mTFP/Venus/mCherry-3X-A-LDMK-ZERO (-ZERO pixel set mounted in cube) \$2,014 [Contact Us](#)

Filter Role	Filter Size	Part Number	Price ¹
Single Band Exciter	25 mm x 5.0 mm	FF01-442/42-25	\$355
Single Band Exciter	25 mm x 5.0 mm	FF01-513/13-25	\$355
Single Band Exciter	25 mm x 5.0 mm	FF01-578/21-25	\$355
Triple Band Emitter	23.3 mm x 2.0 mm	FF01-484/543/702-23 3-D	\$435
Triple Band Dichroic	22.0 mm x 29.0 mm x 1.1 mm	FF468/526/596-Di01-22x29	\$435
DM-K cube		LDMK	\$350
-ZERO set certification		-ZERO	\$99

Leica DMI8 (P-Cube) for microscopes: DMI8

LED-mTFP/Venus/mCherry-3X-A-LDMP-ZERO (-ZERO pixel set mounted in cube) \$2,099 [Contact Us](#)

Filter Role	Filter Size	Part Number	Price ¹
Single Band Exciter	25 mm x 5.0 mm	FF01-442/42-25	\$355
Single Band Exciter	25 mm x 5.0 mm	FF01-513/13-25	\$355
Single Band Exciter	25 mm x 5.0 mm	FF01-578/21-25	\$355
Triple Band Emitter	25 mm x 3.5 mm	FF01-484/543/702-25	\$435
Triple Band Dichroic	25.2 mm x 35.6 mm x 1.1 mm	FF468/526/596-Di01-25x36	\$435
DMI8 (P-Cube) cube		LDMP	\$435
-ZERO set certification		-ZERO	\$99

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Optical Specifications

Specification	Value
Blocking	BrightLine filters have blocking far exceeding OD 6 as needed to ensure a black background, even when using modern low-noise CCD cameras. The blocking is optimized for microscopy applications using our exclusive SpecMaker™ fluorescence filter design.

General Filter Specifications

Specification	Value
Microscope Compatibility	BrightLine filters are available to fit Leica, Nikon, Olympus, Zeiss, and Aperio microscopes.
Optical Damage Rating	Testing has proven to show no signs of degradation when exposed to at least 6.0 W of power from an unfiltered xenon arc lamp over a 25 mm diameter (corresponding to 1.2 W/cm ²) for over 500 hours.

Physical Filter Specifications

Specification	Value
Scratch-Dig	60-40
Exciter/Emitter Orientation	Arrow on ring indicates preferred direction of propagation of light.
Dichroic Orientation	"Reflective coating side" should face toward light source and sample.

Fluorophore Compatibility

☆☆☆☆ indicates this filter set was specifically optimized for this fluorophore.

☆☆☆ indicates an excellent spectral match between fluorophore and filter set that should result in nearly ideal performance in most situations.

☆☆ indicates a good match between fluorophore and filter set with actual performance dependent on other experimental conditions.

Cyan

Fluorophore	Compatibility
Acridine Yellow	☆☆☆☆
Aqua 431	☆☆☆☆
ATTO 425	☆☆☆☆
ATTO 465	☆☆
BD Horizon V500	☆☆
BOBO™-1	☆☆☆
Cerulean	☆☆☆☆
CFP (ECFP)	☆☆☆☆
DY-415	☆☆☆
ECFP	☆☆☆☆
mBBr+GSH	☆☆
mTFP1	☆☆☆☆
POPO-1	☆☆☆
PO-PRO-1	☆☆
SpectrumAqua	☆☆☆☆
SYTO 45	☆☆☆
SYTOX Blue	☆☆☆☆
TagCFP	☆☆☆☆

☆☆☆☆ indicates this filter set was specifically optimized for this fluorophore.

☆☆☆ indicates an excellent spectral match between fluorophore and filter set that should result in nearly ideal performance in most situations.

☆☆ indicates a good match between fluorophore and filter set, with actual performance dependent on other experimental conditions.

Yellow

Fluorophore	Compatibility
5-carboxy-2,7-dichlorofluorescein	☆☆☆
5-FAM (5-carboxyfluorescein)	☆☆
6-carboxyrhodamine 6G	☆☆☆☆
6-JOE	☆☆☆☆
Acridine Orange (+DNA)	☆☆☆☆
Alexa Fluor® 488	☆☆
Alexa Fluor® 500	☆☆
Alexa Fluor® 514	☆☆☆☆
Alexa Fluor® 532	☆☆
ATTO 488	☆☆☆
ATTO 495	☆☆☆☆
ATTO 520	☆☆☆☆
ATTO 532	☆☆
BODIPY R6G	☆☆☆
Calcein	☆☆
Calcium Green-1	☆☆☆☆
CyQUANT GR-DNA	☆☆☆
DAF-FM-NO	☆☆
Dronpa	☆☆
DY-505-Phalloidin	☆☆☆☆
DyLight 488	☆☆
Eosin	☆☆☆☆
FITC (Fluorescein)	☆☆
FIAsH-CCPFCC	☆☆☆☆
Fluo-3	☆☆☆☆
Fluo-4	☆☆
Fluorescein dextran	☆☆☆
Fluorescein-pH 8.0	☆☆
Fluoro-Emerald	☆☆☆
FluoSpheres Orange fluorescent microspheres	☆☆
FluoSpheres Yellow-Green fluorescent microspheres	☆☆

FM 1-43	☆☆
Gold 525	☆☆☆☆
Green 496	☆☆
Green 500	☆☆☆
HCS LipidTOX Green phospholipidosis	☆☆☆☆
HiLyte Fluor™ 488	☆☆☆☆
JO-JO-1, JO-PRO-1	☆☆☆☆
LIVE-DEAD Fixable Green Dead Cell Stain	☆☆☆☆
LysoTracker Yellow HCK-123	☆☆
Magnesium Green	☆☆☆☆☆
mHoneyDew	☆☆☆☆☆
NeuroTrace 500/525 Green Fluorescent Nissl Stain	☆☆
Oregon Green™ 488	☆☆☆
Oregon Green™ 514	☆☆☆☆☆
PicoGreen	☆☆
Qdot® 525 Nanocrystals	☆☆
Qdot® 545 Nanocrystals	☆☆
Rhodamine 110	☆☆
Rhodamine 123	☆☆☆
Rhodamine Green	☆☆
Rhodol Green	☆☆
Sodium Green	☆☆☆☆☆
SpectrumGreen	☆☆
SYBR Gold nucleic acid gel stain-DNA	☆☆☆☆
SYBR Green I nucleic acid gel stain-DNA	☆☆
SYBR Safe DNA gel stain-DNA	☆☆☆☆
SYTO 11	☆☆☆☆
SYTO RNASelect geen fluorescent cell stain	☆☆☆☆
SYTOX Green-DNA	☆☆☆☆
TO-PRO-1	☆☆☆☆☆
TOTO-1	☆☆☆☆☆
TurboYFP	☆☆☆☆
Venus	☆☆☆☆☆
VIC	☆☆
Vybrant DyeCycle Green	☆☆☆☆☆
Vybrant DyeCycle Orange	☆☆☆☆
YFP (yellow GFP)	☆☆☆☆☆
ZsYellow1	☆☆☆☆

☆☆☆☆ indicates this filter set was specifically optimized for this fluorophore.

☆☆☆☆ indicates an excellent spectral match between fluorophore and filter set that should result in nearly ideal performance in most situations.

☆☆ indicates a good match between fluorophore and filter set, with actual performance dependent on other experimental conditions.

Red

Fluorophore	Compatibility
2-dodecylresorufin-lipid	☆☆
5-carboxynaphthofluorescein (pH 10)	☆☆☆☆
5-ROX (carboxy-X-rhodamine)	☆☆☆☆
7-AAD	☆☆
Alexa Fluor® 568	☆☆☆☆☆
Alexa Fluor® 594	☆☆☆☆☆
Alexa Fluor® 660	☆☆
APC (Allophycocyanin)	☆☆
AsRed 2	☆☆☆☆☆
ATTO 565	☆☆
ATTO 590	☆☆☆☆☆
ATTO 594	☆☆☆☆
ATTO 610	☆☆
BOBO™ 3	☆☆☆☆☆

BODIPY TR-X phalloidin	☆☆☆☆
Calcium Crimson	☆☆☆☆
Carboxynaphthofluorescein	☆☆☆☆
CellTrace BODIPY TR methyl ester	☆☆☆
CellTracker Red CMTPX	☆☆☆☆
Cy3.5™	☆☆
DDAO	☆☆
DY-590	☆☆☆
DY-630	☆☆
DyLight 594	☆☆☆☆
FluoSpheres Crimson fluorescent microspheres	☆☆
FluoSpheres Red fluorescent microspheres	☆☆☆☆
FM 4-64	☆☆
HcRed1	☆☆☆
HCS LipidTOX Deep Red neutral lipid stain	☆☆
HCS LipidTOX Red neutral lipid stain	☆☆☆☆
HCS LipidTOX Red phospholipidosis	☆☆☆☆
HiLyte Fluor™ 594	☆☆☆☆
KFP-Red	☆☆☆☆
LDS 751	☆☆☆☆
LIVE-DEAD Fixable Red Dead Cell Stain	☆☆☆☆
LysoTracker Red	☆☆☆
mApple	☆☆☆
mCherry	☆☆☆☆
MitoTracker™ Red	☆☆☆☆
mPlum	☆☆☆☆
mRFP1	☆☆☆☆
mRuby	☆☆
mStrawberry	☆☆☆
Nile blue-EtOH	☆☆
Nile red-phospholipid	☆☆☆
PerCP	☆☆
Propidium Iodide (PI)	☆☆☆
Qdot® 605 Nanocrystals	☆☆
Qdot® 625 Nanocrystals	☆☆
Qdot® 655 Nanocrystals	☆☆
Qdot® 705 Nanocrystals	☆☆
Qdot® 800 Nanocrystals	☆☆
ReAsH-CCPGCC	☆☆☆☆
Red 580	☆☆☆☆
Rhodamine Red-X	☆☆
SNARF (carboxy) 514 Excitation pH 9	☆☆☆☆
SNARF-1 488nm (ph 9.0)	☆☆☆☆
SNARF-1 514nm (ph 9.0)	☆☆☆☆
SpectrumRed	☆☆☆
Sulforhodamine 101-EtOH	☆☆
SYTO 17	☆☆
SYTO 61	☆☆
Texas Red dextran	☆☆☆☆
Texas Red DHPE	☆☆☆☆
Texas Red-X®	☆☆☆☆
TurboFP635(Katushka)	☆☆☆☆
X-Rhod-1 Indicator	☆☆☆☆
YO-PRO-3	☆☆
YOYO-3	☆☆

Topic	Description
High Performance Microscopy	An overview of high performance microscopy, including solutions from Semrock and additional learning resources.
Spectral Modeling in Fluorescence Microscopy	Discusses various sources of noise in fluorescence microscopy and how to maximize signal-to-noise ratios using software, sample preparation and optical filter selection
New Optical Filters Improve High-Speed Multicolor Fluorescence Imaging	Turan Erdogan, PhD, Semrock Inc., BioPhotonics, March 2006 Compares benefits and drawbacks of full multiband, pinkel and sedat filter sets for high-speed multicolor fluorescence imaging
Multiband Filter Set Terminology	Compares benefits and drawbacks of full multiband, pinkel and sedat filter sets
Orientation of Filters in a Microscope	A guide to properly orienting Semrock filters based on the filter markings.
Introduction to Fluorescence Filters	Shows how optical filters are used in a traditional fluorescence microscope and describes important factors to consider when choosing optical filters.
Filter Reliability	Compares the performance and reliability of hard coated filters to traditional soft-coated filters and provides information about the testing standards for Semrock filters
Cube Assembly Instructions	PDF and video instruction for installing filters into popular filter cubes
Cleaning Optical Filters	Instructions for cleaning hard coated optical filters