

## Standard Fluorescence Filters

### Specification

Transmission:	≥90%
Spectral blocking:	≥OD6
Surface quality:	60/40 per MIL-F-48616
Coating:	MIL-C-48497
- Hardness	
- Abrasion resistance	
- Adhesion	
Filter size:	Ø 25.0 mm
Filter thickness:	≤5.0 mm
Temperature range:	-100°C to 300°C



Fluorescence Filters

### Available Wavelengths Excitation

Wavelength [nm]	Bandwidth [nm]	Extended blocking range
460	60	300 – 405 nm
470	30	375 – 425 nm
480	40	400 – 454 nm
510	50	405 – 475 nm
530*	N/A	N/A
535	30	405 – 514 nm
535	50	454 – 500 nm
540	40	390 – 460 nm
545	30	450 – 510 nm
550	40	460 – 525 nm
560	50	460 – 525 nm
575	50	460 – 535 nm
585	40	490 – 558 nm
590	55	485 – 550 nm
610	50	500 – 465 nm
620	60	490 – 580 nm
620	75	490 – 560 nm
640	60	520 – 596 nm
640	70	490 – 565 nm
645	50	535 – 598 nm
645	60	490 – 598 nm
645	75	520 – 596 nm
670	50	570 – 634 nm
685	50	560 – 655 nm
690	50	580 – 657 nm
695	50	595 – 660 nm
700	60	595 – 660 nm
710	50	600 – 677 nm
720	60	580 – 680 nm
725	40	625 – 695 nm
740	50	625 – 695 nm
800	70	670 – 747 nm
810	80	670 – 747 nm

### Available Wavelengths Emission

Wavelength [nm]	Bandwidth [nm]	Extended blocking range
350	60	410 – 515 nm
360	60	410 – 515 nm
380	40	420 – 505 nm
400	30	449 – 500 nm
425	40	510 – 580 nm
440	20	465 – 520 nm
450	50	488 – 560 nm
470	40	504 – 580 nm
475	44	512 – 565 nm
480	40	512 – 565 nm
485	30	520 – 570 nm
500	20	515 – 650 nm
500	40	534 – 620 nm
510	40	540 – 620 nm
520	40	550 – 640 nm
530	40	560 – 700 nm
535	40	575 – 660 nm
535	50	580 – 670 nm
545	30	580 – 670 nm
560	40	595 – 715 nm
560	50	595 – 715 nm
565	30	580 – 670 nm
570	20	585 – 670 nm
570	40	605 – 700 nm
605	40	635 – 715 nm
610	60	660 – 730 nm
620	50	659 – 730 nm
630	40	660 – 730 nm
630	60	681 – 780 nm
645	40	660 – 730 nm
660	40	698 – 760 nm
710	50	750 – 880 nm

FILTRÖP GROUP –  
your supply chain

**FILTRÖP AG**  
Landstrasse 16  
9496 Balzers | Liechtenstein  
Phone +423 388 11 50  
Fax +423 388 11 55  
info@filtröp.com  
www.filtröp.com

**NANOSOL AG**  
Landstrasse 16  
9496 Balzers | Liechtenstein  
Phone +423 375 79 50  
Fax +423 375 79 55  
info@nanosol.com  
www.nanosol.com

## Fluorophore Reference Bandpass Filters

Fluorophore	Excitation	Emission
5-FAM	475-44	535-50
5-ROX	560-50	640-60
5-TAMRA	525-45	620-75
6-HEX	520-40	590-55
6-JOE	500-20	530-LP
6-TET	500-40	575-50
Alexa Fluor 350	360-60	460-60
Alexa Fluor 430	425-40	540-40
Alexa Fluor 488	475-44	535-50
Alexa Fluor 532	500-40	560-50
Alexa Fluor 546	525-45	600-60
Alexa Fluor 555	525-45	600-60
Alexa Fluor 568	560-40	640-60
Alexa Fluor 594	560-40	640-60
Alexa Fluor 633	610-60	685-50
Alexa Fluor 647	620-50	700-60
Alexa Fluor 660	630-60	720-60
Alexa Fluor 680	660-40	725-40
Alexa Fluor 700	660-40	740-50
Alexa Fluor 750	710-50	810-80
AMCA	360-60	460-60
BODIPY 630/650	605-40	670-50
BODIPY 650/665	630-40	695-50
BODIPY FL	480-40	535-50
BODIPY R6G	510-40	575-50
BODIPY TMR	530-40	600-60
BODIPY TR	570-40	645-50
Calcium Crimson™	570-40	645-60
CFP	440-20	480-40
Cy3.5™	565-30	620-60
Cy3™	535-40	610-50
Cy5.5™	645-40	710-50
Cy5™	620-50	690-50
Cy7™	710-50	800-70
DAPI	360-60	460-60
Dil(rs)	HPX535-50	HPM620-60
DiO	HPX480-40	HPM535-50
DsRed	HPX545-30	HPM620-60
Eosin	HPX500-40	560-50
Ethidium Bromide	HPX525-45	HPM640-70
FITC	HPX480-40	HPM535-50
Fluo 3	HPX480-40	HPM535-50
Fluo 4	480-40	HPM535-50
GFP	470-40	HPM535-50
GFP(rs)	480-40	HPM535-50

FILTROP GROUP –  
your supply chain

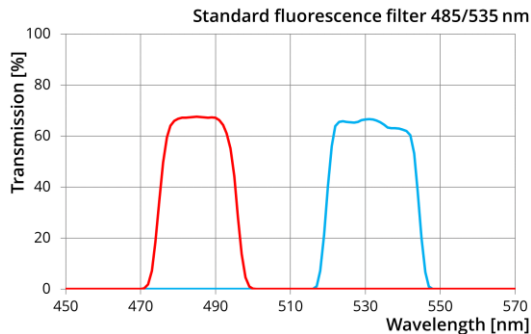
**FILTROP AG**  
Landstrasse 16  
9496 Balzers | Liechtenstein  
Phone +423 388 11 50  
Fax +423 388 11 55  
info@filtrop.com  
www.filtrop.com

**NANOSOL AG**  
Landstrasse 16  
9496 Balzers | Liechtenstein  
Phone +423 375 79 50  
Fax +423 375 79 55  
info@nanosol.com  
www.nanosol.com

## Fluorophore Reference Bandpass Filters continuation

Fluorophor	Excitation	Emission
GFP(wt)	450-50	510-50
Hoechst 33342 & 33258	350-60	460-60
LysoSensor™ Blue (pH 5)	380-40	460-60
MitoTracker Orange	525-45	620-75
MitoTracker Red	560-50	640-60
Nile Red	525-45	645-60
Oregon Green™	485-30	545-30
Pacific Blue™	400-30	470-30
PE (B,R)	525-45	585-40
Propidium Iodide	525-45	645-75
Resorufin	560-50	645-75
Rhodamine	570-20	620-60
Rhodamine Green™	500-20	535-30
Texas Red	560-50	645-75
TRITC	525-45	600-60
YFP	500-20	550-40
YGFP	500-20	535-30

### Typical curves:



FILTRÖP GROUP –  
your supply chain

**FILTRÖP AG**  
Landstrasse 16  
9496 Balzers | Liechtenstein  
Phone +423 388 11 50  
Fax +423 388 11 55  
info@filtrop.com  
www.filtrop.com

**NANOSOL AG**  
Landstrasse 16  
9496 Balzers | Liechtenstein  
Phone +423 375 79 50  
Fax +423 375 79 55  
info@nanosol.com  
www.nanosol.com