

Browse By Fluorochrome

Compare filter sets by selecting the recommended/alternative set listed for each fluorochrome below.

A

Abberior Cage 500	EX: 504nm EM: 525nm	WideField Sets Contact Us	Laser Sets Contact Us
Abberior Cage 532	EX: 519nm EM: 540nm	WideField Sets Contact Us	Laser Sets Contact Us
Abberior Cage 590	EX: 586nm EM: 607nm	WideField Sets Contact Us	Laser Sets Contact Us
Abberior Cage 635	EX: 630nm EM: 647nm	WideField Sets Contact Us	Laser Sets Contact Us
Abberior Flip 565	EX: 558nm EM: 584nm	WideField Sets Contact Us	Laser Sets Contact Us

Abberior Live 510	EX: 502nm EM: 527nm	WideField Sets Contact Us	Laser Sets Contact Us
Abberior Live 515	EX: 517nm EM: 544nm	WideField Sets Contact Us	Laser Sets Contact Us
Abberior Live 580	EX: 603nm EM: 632nm	WideField Sets Contact Us	Laser Sets Contact Us
Abberior rsEGFP	EX: 492nm EM: 510nm	WideField Sets Contact Us	Laser Sets Contact Us
Abberior rsEGFP2	EX: 483nm EM: 502nm	WideField Sets Contact Us	Laser Sets Contact Us
Abberior Star 440SXP	EX: 448nm EM: 512nm	WideField Sets Contact Us	Laser Sets Contact Us
Abberior Star 470SXP	EX: 470nm EM: 625nm	WideField Sets Contact Us	Laser Sets Contact Us
Abberior Star 488	EX: 500nm EM: 525nm	WideField Sets Contact Us	Laser Sets Contact Us

Abberior Star 512	EX: 512nm EM: 534nm	WideField Sets Contact Us	Laser Sets Contact Us
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Abberior Star 520SXP	EX: 520nm EM: 633nm	WideField Sets Contact Us	Laser Sets Contact Us
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Abberior Star 600	EX: 604nm EM: 626nm	WideField Sets Contact Us	Laser Sets Contact Us
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Abberior Star 635	EX: 640nm EM: 659nm	WideField Sets Contact Us	Laser Sets Contact Us
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Abberior Star 635p	EX: 633nm EM: 654nm	WideField Sets Contact Us	Laser Sets Contact Us
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Abberior Star Red	EX: 637nm EM: 659nm	WideField Sets Contact Us	Laser Sets Contact Us
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Acridine Orange + DNA	EX: 500nm EM: 526nm	WideField Sets 49011 49002 39002	Laser Sets Contact Us
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If workers must detect fluorescence from both RNA and DNA-bound Acridine Orange a longpass set such as 49012 is recommended. 49011, 39002 may be used with LEDs with CWL 465-495nm; 49002 may be used with 455-485nm CWL LEDs.

Acridine Orange + DNA and RNA	WideField Sets	Laser Sets
49012 may be used with LEDs with CWL 465-495nm; 19002 may be used with 470-490nm CWL LEDs.	49012 19002	Contact Us

Acridine Orange + RNA	EX: 460nm EM: 650nm	WideField Sets	Laser Sets
39009 may be used with LEDs with CWL 470-490nm; 49024 may be used with 430-450nm CWL LEDs.		39009 49024	Contact Us

Alexa Fluor 350™	EX: 346nm EM: 442nm	WideField Sets	Laser Sets
49000 may be used with LEDs with CWL 350-365nm; 39000 may be used with 365-380nm CWL LEDs.		49000 39000	49915

Alexa Fluor 405	EX: 401nm EM: 422nm	WideField Sets	Laser Sets
49021 may be used with LEDs with CWL 400-410nm.		Contact Us	Contact Us

Alexa Fluor 488™	EX: 498nm EM: 520nm	WideField Sets	Laser Sets
49011, 39002 may be used with LEDs with CWL 465-495nm; 49002 may be used with 455-485nm CWL LEDs.		49011 49002 39002	49904

Alexa Fluor 514™	EX: 517nm EM: 539nm	WideField Sets	Laser Sets
49003, 39003 may be used with LEDs with CWL 490-505nm; 49023 may be use with 485-515nm CWL LEDs.		49023 49003 39003	49905 49906

Alexa Fluor 532™	EX: 531nm EM: 554nm	WideField Sets	Laser Sets
49014 may be used with LEDs with CWL520-540nm.		49014	49907 49906

Alexa Fluor 546™	EX: 556nm EM: 573nm	WideField	Laser
49004, 49305 may be used with LEDs with CWL 535-555nm; 39004 may be used with 535-550nm CWL LEDs.		Sets	Sets
		49004	49909
		49305	49908
		39004	

Alexa Fluor 555™	EX: 553nm EM: 568nm	WideField	Laser
49004, 49305 may be used with LEDs with CWL 535-555nm; 39004 may be used with 535-550nm CWL LEDs.		Sets	Sets
		49004	49907
		49305	49908
		39004	

Alexa Fluor 568™	EX: 578nm EM: 603nm	WideField	Laser
49031 may be used with LEDs with CWL from 560-580nm; 49008, 39010 may be used with 545-575nm LEDs.		Sets	Sets
		49031	49910
		49008	49909
		39010	

Alexa Fluor 594™	EX: 590nm EM: 617nm	WideField	Laser
49008, 39010 may be used with LEDs with CWL 545-575nm; 49306 may be used with 570-595nm CWL LEDs.		Sets	Sets
		49008	49911
		49306	
		39010	

Alexa Fluor 610™		WideField	Laser
		Sets	Sets
		Contact	Contact
		Us	Us

Alexa Fluor 633™	EX: 632nm EM: 647nm	WideField	Laser
49015 may be used with LEDs with CWL 585-620nm.		Sets	Sets
		49015	49913

Alexa Fluor 647™	EX: 649nm EM: 666nm	WideField	Laser
49006 may be used with LEDs with CWL 595-640nm; 39007 may be used with 600-635nm CWL LEDs; 49009 may be used with 625-650nm CWL LEDs.		Sets	Sets
		49006	49913
		49009	49914
		39007	

Alexa Fluor 680™ EX: 680nm EM: 702nm
49022 may be used with LEDs with CWL 635-665nm.

WideField Sets	Laser Sets
49022	49914

Alexa Fluor 700™ EX: 696nm EM: 719nm
49022 may be used with LEDs with CWL 635-665nm.

WideField Sets	Laser Sets
49022	49914
	49913

Alexa Fluor 750™ EX: 752nm EM: 779nm
49007 may be used with LEDs with CWL 685-740nm.

WideField Sets	Laser Sets
49007	Contact Us

Alexa Fluor 790™ EX: 782nm EM: 805nm
49037 may be used with LEDs with CWL 725-755nm.

WideField Sets	Laser Sets
49037	Contact Us

Allophycocyanin (APC) EX: 650nm EM: 660nm
49006 may be used with LEDs with CWL 595-640nm; 39007 may be used with 600-635nm CWL LEDs.

WideField Sets	Laser Sets
49015	49913
49006	49914

AmCyan EX: 458nm EM: 489nm
49001, 39001 may be used with LEDs with CWL 430-440nm.

WideField Sets	Laser Sets
49001	49903
39001	49902

AsRed2 EX: 576nm EM: 592nm
49005, 49305 may be used with LEDs with CWL 535-555nm.

WideField Sets	Laser Sets
49005	49909
49305	49910

Atto 390 EX: 390nm EM: 479nm
49028 may be used with LEDs with CWL 385-405nm.

WideField Sets	Laser Sets
49028	Contact Us

Atto 425 EX: 436nm EM: 485nm
49013 may be used with LEDs with CWL 435-455nm; 39001 may be used with 430-440nm CWL LEDs.

WideField Sets	Laser Sets
49013	49903
39001	49902

Atto 465 EX: 453nm EM: 507nm
49002 may be used with LEDs with CWL 455-485nm.

WideField Sets	Laser Sets
49002	49903

Atto 488 EX: 501nm EM: 525nm
49011, 39002 may be used with LEDs with CWL 470-490nm; 49003 set may be used with 490-505nm LED.

WideField Sets	Laser Sets
49011	49904
49003	
39002	

Atto 550 EX: 554nm EM: 576nm
49004, 49305 may be used with LEDs with CWL 535-555nm; 39004 may be used with 535-550nm CWL LEDs.

WideField Sets	Laser Sets
49305	49909
49004	49908
39004	

Atto 633 EX: 630nm EM: 657nm
49015 may be used with LEDs with CWL 585-620nm.

WideField Sets	Laser Sets
49015	49913

Atto 647N EX: 644nm EM: 669nm
49006 may be used with LEDs with CWL 595-640nm; 39007 may be used with 600-635nm CWL LEDs; 49009 may be used with 625-650nm CWL LEDs.

WideField Sets	Laser Sets
49006	49913
49009	49914
39007	

Atto 680 EX: 680nm EM: 700nm
49022 may be used with LEDs with CWL 635-665nm.

WideField Sets	Laser Sets
49022	49914

Auramine	EX: 450nm EM: 500nm	WideField Sets 19008	Laser Sets Contact Us
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19008 may be used with LEDs with CWL 435-470nm.

Auramine-rhodamine	EX: 450nm EM: onm	WideField Sets 19002	Laser Sets Contact Us
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19002 may be used with LEDs with CWL 470-490nm.

Azami Green	EX: 492nm EM: 505nm	WideField Sets 49002 49020 39002	Laser Sets 49904
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49002 may be used with LEDs with CWL 455-485nm; 49020 may be used with 475-485nm CWL LEDs; 39002 may be used with 470-490nm CWL LEDs.

B

BB515	EX: 490nm EM: 514nm	WideField Sets 49308 49303	Laser Sets Contact Us
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49308 may be used with LEDs with CWL 475-495nm. 49303 may be used with 490-505nm CWL LEDs. 49303 is only recommended when multiplexing with BV480.

BCECF/pH 5.2	EX: 482nm EM: 520nm	WideField Sets 79005	Laser Sets Contact Us
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BCECF/pH 9.0	EX: 503nm EM: 528nm	WideField Sets 79005	Laser Sets Contact Us
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Biosearch Blue	EX: 352nm EM: 447nm	WideField Sets 49000 49028 39000	Laser Sets Contact Us
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49000 may be used with LEDs with CWL 350-365nm; 39000 may be used with 365-380nm CWL LEDs and 49028 may be used with 385-400nm CWL LEDs.

BODIPY FL/pH7.2	EX: 505nm EM: 512nm	WideField	Laser
49011, 39002 may be used with LEDs with CWL 470-490nm; 49003 set may be used with 490-505nm LED.		Sets	Sets
		49011	49904
		49002	
		39002	

Brilliant Violet™ 421	EX: 408nm EM: 422nm	WideField	Laser
49027 may be used with LEDs with CWL 385-405nm.		Sets	Sets
		49027	49901

Brilliant Violet™ 480	EX: 437nm EM: 478nm	WideField	Laser
49032, 49302 and 49001 may be used with LEDs with CWL 430-440nm.		Sets	Sets
		49032	49902
		49302	
		49001	

Brilliant Violet™ 510	EX: 405nm EM: 512nm	WideField	Laser
		Sets	Sets
		Contact Us	Contact Us

Brilliant Violet™ 570	EX: 407nm EM: 573nm	WideField	Laser
		Sets	Sets
		Contact Us	Contact Us

Brilliant Violet™ 605	EX: 407nm EM: 605nm	WideField	Laser
		Sets	Sets
		Contact Us	Contact Us

Brilliant Violet™ 650	EX: 407nm EM: 649nm	WideField	Laser
		Sets	Sets
		Contact Us	Contact Us

Brilliant Violet™ 711	EX: 407nm EM: 713nm	WideField Sets Contact Us	Laser Sets Contact Us
Brilliant Violet™ 750	EX: 407nm EM: 750nm	WideField Sets Contact Us	Laser Sets Contact Us
Brilliant Violet™ 786	EX: 408nm EM: 786nm	WideField Sets Contact Us	Laser Sets Contact Us
Brilliant™ Ultraviolet 395	EX: 348nm EM: 395nm	WideField Sets Contact Us	Laser Sets Contact Us
Brilliant™ Ultraviolet 496	EX: 348nm EM: 498nm	WideField Sets Contact Us	Laser Sets Contact Us
Brilliant™ Ultraviolet 661	EX: 348nm EM: 661nm	WideField Sets Contact Us	Laser Sets Contact Us
Brilliant™ Ultraviolet 737	EX: 350nm EM: 735nm	WideField Sets Contact Us	Laser Sets Contact Us
Brilliant™ Ultraviolet 805	EX: 350nm EM: 805nm	WideField Sets Contact Us	Laser Sets Contact Us
Brilliant Violet™ 711	EX: 407nm EM: 713nm	Contact Us	Contact Us

C

CAL Fluor® Gold 540	EX: 522nm EM: 544nm	WideField	Laser
49023 may be use with LEDs with CWL 490-520nm; 49014 may be used with 520-540nm CWL LEDs.		Sets	Sets
		49023	Contact
		49014	Us
CAL Fluor® Orange 560	EX: 538nm EM: 559nm	WideField	Laser
49014 may be used with LEDs with CWL520-540nm; 49023 may be use with 490-520nm CWL LEDs.		Sets	Sets
		49014	Contact
		49023	Us
CAL Fluor® Red 590	EX: 569nm EM: 591nm	WideField	Laser
49031 may be used with LEDs with CWL from 560-580nm; 49005 may be used with 535-555nm CWL LEDs and 39004 may be used with 535-550nm CWL LEDs		Sets	Sets
		49031	Contact
		49005	Us
		39004	
CAL Fluor® Red 610	EX: 590nm EM: 610nm	WideField	Laser
49306 may be used with LEDs with CWL 570-595nm; 49008, 39010 may be used with 545-575nm CWL LEDs.		Sets	Sets
		49306	Contact
		49008	Us
		39010	
CAL Fluor® Red 635	EX: 618nm EM: 637nm	WideField	Laser
49015 may be used with LEDs with CWL 585-620nm.		Sets	Sets
		49015	Contact
			Us
Calcein	EX: 494nm EM: 517nm	WideField	Laser
49011, 39002 may be used with LEDs with CWL 470-490nm; 49003 set may be used with 490-505nm LED.		Sets	Sets
		49011	49904
		49003	
		39002	

Calcium Green™-1

EX: 506nm EM: 531nm

49011, 39002 may be used with LEDs with CWL 470-490nm; 49003 set may be used with 490-505nm LED.

WideField
Sets
[49011](#)
[49003](#)
[39002](#)

Laser
Sets
[49904](#)

Calcofluor White

EX: 350nm EM: onm

Calcofluor White is a commonly used stain to detect fungi and yeast and other microorganisms. It is a non-specific stain which preferentially binds to chitin and cellulose in cell walls and as such is also used to visualize plant cells. Calcofluor White has extremely broad excitation/emission spectra, and as a result almost any filter set with UV or violet/blue excitation wavelengths will generate fluorescence emission which may be detected across a very broad range. Some samples will fluoresce strongly in the green wavelengths, others in the blue, and others yellow-orange. Because of this, filter selection is subjective, partly depending on the experience of the microscopist. Our filter sets 19012, 19000, and 19011 may be used successfully depending on the sample and the observer's preference. 19000 and 19012 may be used with LEDs with CWL 365-380nm; 19011 may be used with 395-410nm CWL LEDs.

WideField
Sets
[19012](#)
[19000](#)

Laser
Sets
[Contact Us](#)

Cerulean

EX: 433nm EM: 475nm

49001, 39001 may be used with LEDs with CWL 430-440nm.

WideField
Sets
[49001](#)
[39001](#)

Laser
Sets
[49903](#)
[49902](#)

CFP

EX: 433nm EM: 475nm

49001, 39001 may be used with LEDs with CWL 430-440nm.

WideField
Sets
[49001](#)
[39001](#)

Laser
Sets
[49903](#)
[49902](#)

Citrine

EX: 514nm EM: 529nm

49003, 39003 may be used with LEDs with CWL 490-505nm.

WideField
Sets
[49003](#)
[39003](#)

Laser
Sets
[49905](#)
[49904](#)

Coumarin

EX: 384nm EM: 470nm

49000 may be used with LEDs with CWL 350-365nm; 39000 may be used with 365-380nm CWL LEDs, 19011 may be used with 395-410nm CWL LEDs.

WideField
Sets
[49000](#)
[39000](#)
[19011](#)

Laser
Sets
[Contact Us](#)

Cy2™ EX: 489nm EM: 506nm
49011, 39002 may be used with LEDs with CWL 470-490nm; 49003 set may be used with 490-505nm LEDs.

WideField Sets	Laser Sets
49011	49904
49002	
39002	

Cy3.5™ EX: 581nm EM: 598nm
49031 may be used with LEDs with CWL from 560-580nm; 49008, 39010 may be used with 545-575nm LEDs.

WideField Sets	Laser Sets
49031	49910
49008	49909
39010	

Cy3™ EX: 552nm EM: 570nm
49004, 49005 may be used with LEDs with CWL 535-555nm; 39004 may be used with 535-550nm CWL LEDs.

WideField Sets	Laser Sets
49004	49907
49014	49908
39004	

Cy5.5™ EX: 675nm EM: 695nm
49022 may be used with LEDs with CWL 635-665nm.

WideField Sets	Laser Sets
49022	49914

Cy5™ EX: 649nm EM: 670nm
49006 may be used with LEDs with CWL 595-640nm; 39007 may be used with 600-635nm CWL LEDs; 49009 may be used with 625-650nm CWL LEDs.

WideField Sets	Laser Sets
49006	49913
49009	49914
39007	

Cy7™ EX: 743nm EM: 767nm
49007 may be used with LEDs with CWL 685-740nm.

WideField Sets	Laser Sets
49007	Contact Us

D

DAPI EX: 359nm EM: 461nm

49000 may be used with LEDs with CWL 350-365nm; 39000 may be used with 365-380nm CWL LEDs, 49028 may be used with 385-400nm CWL LEDs.

WideField
Sets
[49000](#)
[49028](#)
[39000](#)
Laser
Sets
[Contact](#)
[Us](#)

[Di-8-ANEPPS non-ratiometric](#) EX: 530nm EM: 620nm

39009 may be used with LEDs with CWL 470-490nm.

WideField
Sets
[39009](#)
Laser
Sets
[Contact](#)
[Us](#)

[Di-8-ANEPPS, ratiometric](#)

This dye and the related dye, Di-4-ANEPPS, are most effectively used as ratiometric indicators of membrane potential. Increases in membrane potential are indicated by a decrease in fluorescence intensity with approx. 440nm excitation and an increase in fluorescence intensity with approx. 530nm excitation. Use of this 71006 filter set requires an external filter wheel to house the 2 excitation filters and to facilitate rapid switching of filters for ratiometric measurements.

WideField
Sets
[71006](#)
Laser
Sets
[Contact](#)
[Us](#)

[DiA](#) EX: 456nm EM: 591nm

49024 may be used with LEDs with CWL 425-455nm; 39009, 19010 may be used with 470-490nm CWL LEDs.

WideField
Sets
[49024](#)
[39009](#)
[19010](#)
Laser
Sets
[Contact](#)
[Us](#)

[DiD](#) EX: 644nm EM: 665nm

49006 may be used with LEDs with CWL 595-640nm; 39007 may be used with 600-635nm CWL LEDs.

WideField
Sets
[49006](#)
[39007](#)
Laser
Sets
[49913](#)
[49914](#)

[DiI](#) EX: 551nm EM: 569nm

49004, 49305 may be used with LEDs with CWL 535-555nm; 39004 may be used with 535-550nm CWL LEDs.

WideField
Sets
[49004](#)
[49305](#)
[39004](#)
Laser
Sets
[49908](#)
[49909](#)

[DiO](#) EX: 484nm EM: 502nm

49002 may be used with LEDs with CWL 455-485nm; 49020 may be used with 475-485nm CWL LEDs; 39002 may be used with 470-490nm CWL LEDs.

WideField
Sets
[49002](#)
[49020](#)
[39002](#)
Laser
Sets
[49904](#)

DiR

EX: 748nm EM: 780nm

49007 may be used with LEDs with CWL 685-740nm.

WideField
Sets
[49007](#)
Laser
Sets
[Contact Us](#)

Draq5

EX: 647nm EM: 683nm

49006 may be used with LEDs with CWL 595-640nm; 39007 may be used with 600-635nm CWL LEDs.

WideField
Sets
[49006](#)
[39007](#)
Laser
Sets
[49913](#)
[49914](#)

DsRed

EX: 557nm EM: 584nm

49004 may be used with LEDs with CWL 535-555nm; 39004 may be used with 535-550nm CWL LEDs.

WideField
Sets
[49004](#)
[39004](#)
Laser
Sets
[49909](#)
[49908](#)

DyLight 350

EX: 352nm EM: 435nm

49000 may be used with LEDs with CWL 350-365nm; 39000 may be used with 365-380nm CWL LEDs.

WideField
Sets
[49000](#)
[39000](#)
Laser
Sets
[49915](#)

DyLight 405

EX: 399nm EM: 433nm

49021 may be used with LEDs with CWL 400-410nm; 19011 may be used with 395-410nm CWL LEDs.

WideField
Sets
[49021](#)
[19011](#)
Laser
Sets
[49901](#)

DyLight 488

EX: 492nm EM: 517nm

49011, 39002 may be used with LEDs with CWL 465-495nm; 49002 may be used with 455-485nm CWL LEDs.

WideField
Sets
[49011](#)
[49002](#)
[39002](#)
Laser
Sets
[49904](#)

DyLight 549

EX: 554nm EM: 569nm

49004, 49305 may be used with LEDs with CWL 535-555nm; 39004 may be used with 535-550nm CWL LEDs.

WideField
Sets

Laser
Sets

[49004](#)

[49907](#)

[49305](#)

[49909](#)

[39004](#)

DyLight 594

EX: 592nm EM: 616nm

49008, 39010 may be used with LEDs with CWL 545-575nm; 49306 may be used with 570-595nm CWL LEDs.

WideField
Sets

Laser
Sets

[49008](#)

[49911](#)

[49306](#)

[39010](#)

DyLight 633

EX: 623nm EM: 645nm

49015 may be used with LEDs with CWL 585-620nm.

WideField
Sets

Laser
Sets

[49015](#)

[Contact Us](#)

DyLight 649

EX: 652nm EM: 667nm

49006 may be used with LEDs with CWL 595-640nm; 39007 may be used with 600-635nm CWL LEDs; 49009 may be used with 625-650nm CWL LEDs.

WideField
Sets

Laser
Sets

[49006](#)

[49913](#)

[49009](#)

[49914](#)

[39007](#)

DyLight 680

EX: 677nm EM: 705nm

49022 may be used with LEDs with CWL 635-665nm.

WideField
Sets

Laser
Sets

[49022](#)

[49914](#)

DyLight 750

EX: 751nm EM: 772nm

49007 may be used with LEDs with CWL 685-740nm.

WideField
Sets

Laser
Sets

[49007](#)

[Contact Us](#)

DyLight 800

EX: 770nm EM: 795nm

49037 may be used with LEDs with CWL 725-755nm.

WideField
Sets

Laser
Sets

[49037](#)

[Contact Us](#)

E

EBFP2

EX: 385nm EM:
448nm

WideField
Sets

Laser
Sets

49028 may be used with LEDs with CWL 385-400nm, 49021 may be used with 400-410nm CWL LEDs.

[49028](#)
[49021](#)

[49901](#)

ECFP

EX: 434nm EM: 477nm

WideField
Sets

Laser
Sets

49001, 39001 may be used with LEDs with CWL 430-440nm.

[49001](#)
[39001](#)

[49902](#)
[49903](#)

EGFP

EX: 488nm EM: 507nm

WideField
Sets

Laser
Sets

49002 may be used with LEDs with CWL 455-485nm; 49020 may be used with 475-485nm CWL LEDs; 39002 may be used with 470-490nm CWL LEDs.

[49002](#)
[49020](#)
[39002](#)

[49904](#)

Emerald GFP

EX: 489nm EM: 510nm

WideField
Sets

Laser
Sets

49002 may be used with LEDs with CWL 455-485nm; 49020 may be used with 475-485nm CWL LEDs; 39002 may be used with 470-490nm CWL LEDs.

[49002](#)
[49020](#)
[39002](#)

[49904](#)

Eosin

EX: 524nm EM: 545nm

WideField
Sets

Laser
Sets

49023 may be used with LEDs with CWL 490-520nm.

[49023](#)

[Contact Us](#)

Ethidium Bromide

EX: 520nm EM:
603nm

WideField
Sets

Laser
Sets

49005 may be used with LEDs with CWL 535-555nm; 39009 may be used with 470-490nm CWL LEDs.

[49005](#)
[39009](#)

[Contact Us](#)

Ethidium homodimer-1/DNA

EX: 527nm EM: 617nm

WideField
Sets

Laser
Sets

49005 may be used with LEDs with CWL 535-555nm; 39005 may be used with 535-550nm CWL LEDs.

[49005](#)
[39005](#)

[Contact Us](#)

EYFP/pH 7

EX: 514nm EM: 527nm

49003, 39003 may be used with LEDs with CWL 490-505nm.

WideField
Sets

Laser
Sets

[49003](#)

[49905](#)

[39003](#)

F

FAM

EX: 492nm EM: 518nm

49011, 39002 may be used with LEDs with CWL 465-495nm; 49002 may be used with 455-485nm CWL LEDs.

WideField
Sets

Laser
Sets

[49011](#)

[49904](#)

[49002](#)

[39002](#)

FITC

EX: 490nm EM: 525nm

49011, 39002 may be used with LEDs with CWL 465-495nm; 49002 may be used with 455-485nm CWL LEDs.

WideField
Sets

Laser
Sets

[49011](#)

[49904](#)

[49002](#)

[39002](#)

FlAsH-CCPFCC

EX: 511nm EM: 530nm

49003, 39003 may be used with LEDs with CWL 490-505nm.

WideField
Sets

Laser
Sets

[49003](#)

[49905](#)

[39003](#)

Fluo-3

EX: 505nm EM: 526nm

49003 may be used with LEDs with CWL 490-505nm; 49011 may be used with 465-495nm CWL LEDs.

WideField
Sets

Laser
Sets

[49003](#)

[49904](#)

[49011](#)

Fluo-4

EX: 494nm EM: 516nm

49011, 39002 may be used with LEDs with CWL 465-495nm; 49002 may be used with 455-485nm CWL LEDs.

WideField
Sets

Laser
Sets

[49011](#)

[49904](#)

[49002](#)

[39002](#)

FluoroGold

This dye has mainly been used as a retrograde neuronal tracer, although it can also distinguish between DNA and RNA binding according to its fluorescence emission. With two excitation peaks at approx. 330nm and 390nm, and two emission peaks at approx. 450nm and 600nm, our DAPI longpass filter sets 49025 and 19012 are appropriate for detection of the fluorescence emission associated with the both peaks, which together appear "gold". The 49025 set is also useful for distinguishing between FluoroGold bound to DNA or RNA.

WideField

Sets

[49025](#)

[19012](#)

Laser

Sets

[Contact](#)

[Us](#)

FM™ 1-43

EX: 479nm EM: 598nm

39009, 19010 may be used with LEDs with CWL 470-490nm.

WideField

Sets

[19010](#)

[39009](#)

Laser

Sets

[Contact](#)

[Us](#)

FM™ 4-64

EX: 515nm EM: 740nm

For imaging applications using a monochrome camera, this longpass filter set will not distinguish FM 4-64 from TRITC or similar orange/red fluorochromes. To be able to distinguish between FM 4-64 and TRITC or Texas Red-like fluorochromes, contact us for a custom filter set. 19010 may be used with LEDs with CWL 470-490nm; 19006 may be used with 545-575nm CWL LEDs.

WideField

Sets

[19010](#)

[19006](#)

Laser

Sets

[Contact](#)

[Us](#)

Fura Red/Ca²⁺ - saturated

EX: 436nm EM: 655nm

WideField

Sets

[Contact](#)

[Us](#)

Laser

Sets

[Contact](#)

[Us](#)

Fura Red/Ca²⁺ - free

EX: 473nm EM: 670nm

WideField

Sets

[Contact](#)

[Us](#)

Laser

Sets

[Contact](#)

[Us](#)

Fura-2/Ca²⁺ - free

EX: 340nm EM: 510nm

WideField

Sets

[79001](#)

Laser

Sets

[Contact](#)

[Us](#)

Fura-2/Ca²⁺ - saturated

EX: 380nm EM: 510nm

WideField

Sets

[79001](#)

Laser

Sets

[Contact](#)

[Us](#)

FusionRed	EX: 576nm EM: 603nm	WideField Sets	Laser Sets
49008, 39010 and 49017 may be used with LEDs with CWL 545-575nm.		49008 49017 39010	49910 49911

G

GFP	EX: 488nm EM: 507nm	WideField Sets	Laser Sets
EGFP spectra used here; similar to Emerald GFP, TagGFP, Azami Green, mWasabi, etc. 49002 may be used with LEDs with CWL 455-485nm; 49020 may be used with 475-485nm CWL LEDs; 39002 may be used with 470-490nm CWL LEDs.		49002 49020 39002	49904

H

HEX,SE	EX: 533nm EM: 559nm	WideField Sets	Laser Sets
49014 may be used with LEDs with CWL 520-540nm; 49023 may be use with 485-515nm CWL LEDs.		49014 49023	49907

Hoechst 33258	EX: 352nm EM: 461nm	WideField Sets	Laser Sets
49000 may be used with LEDs with CWL 350-365nm; 39000 may be used with 365-380nm CWL LEDs.		49000 39000	Contact Us

I

Indo-1/Ca2+ -free	EX: 346nm EM: 475nm	WideField Sets	Laser Sets
79006 may be used with LEDs with CWL 365nm.		Contact Us	Contact Us

Indo-1/Ca2+ -saturated	EX: 330nm EM: 401nm	WideField Sets	Laser Sets
79006 may be used with LEDs with CWL 365nm.			

	Contact Us	Contact Us
<p>Indocyanine Green</p> <p>The spectral properties of ICG are strongly dependent on its concentration and the solute it is bound to, so care must be taken by workers to characterize their particular model system. This filter set 49030 is appropriate for most applications involving protein-bound ICG in various physiological media. ICG becomes concentrated in lipid environments, greatly shifting its spectral properties. 49030 may be used with LEDs with CWL 755-795nm.</p>	<p>WideField Sets 49030</p>	<p>Laser Sets Contact Us</p>

J

<p>JC-1 non-ratiometric</p> <p>JC-1 exists as a monomer at low concentrations and/or low membrane potentials and displays fluorescence ex./em. maxima similar to that of YFP. At higher concentrations and/or higher membrane potentials, JC-1 forms aggregates with a red-shifted emission maxima of 590nm and a broadened excitation spectra. The 49012 longpass filter set will allow detection of JC-1 monomer and aggregate simultaneously. 49012 may be used with LEDs with CWL 465-495nm; 19002 may be used with 470-490nm CWL LEDs.</p>	<p>WideField Sets 49012 19002</p>	<p>Laser Sets Contact Us</p>
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<p>JC-1 ratiometric</p> <p>JC-1 exists as a monomer at low concentrations and/or low membrane potentials and displays fluorescence ex./em. maxima similar to that of YFP. At higher concentrations and/or higher membrane potentials, JC-1 forms aggregates with a red-shifted emission maxima of 590nm and a broadened excitation spectra. Use of this 71019 filter set requires an external filter wheel to house the 2 emission filters to facilitate rapid switching of filters for ratiometric measurements.</p>	<p>WideField Sets Contact Us</p>	<p>Laser Sets Contact Us</p>
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<p>JOE EX: 520nm EM: 548nm</p> <p>49023 may be use with LEDs with CWL 485-515nm.</p>	<p>WideField Sets 49023</p>	<p>Laser Sets 49905</p>
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K

<p>Killer Red EX: 585nm EM: 611nm</p> <p>49008, 39010 may be used with LEDs with CWL 545-575nm; 49306 may be used with 570-595nm CWL LEDs.</p>	<p>WideField Sets 49008 49306 39010</p>	<p>Laser Sets 49911 49910</p>
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L

Li-Cor IRDye® 680LT EX: 674nm EM: 693nm
49022 may be used with LEDs with CWL 635-665nm.

WideField Sets 49022	Laser Sets Contact Us
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Li-Cor IRDye® 800CW EX: 778nm EM: 794nm
49037 may be used with LEDs with CWL 725-755nm.

WideField Sets 49037	Laser Sets Contact Us
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Lucifer Yellow EX: 428nm EM: 540nm
49026 may be used with LEDs with CWL 390-415nm; 39008 may be used with 405-430nm CWL LEDs.

WideField Sets 39008 49026	Laser Sets Contact Us
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LysoTracker Blue/MeOH EX: 373nm EM: 425nm
49028 may be used with LEDs with CWL 385-400nm; 49000 may be used with LEDs with CWL 350-365nm; 39000 may be used with 365-380nm CWL LEDs.

WideField Sets 49028 49000 39000	Laser Sets Contact Us
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LysoTracker Green/pH 5.2 EX: 504nm EM: 511nm
49002 may be used with LEDs with CWL 455-485nm; 49020 may be used with 475-485nm CWL LEDs; 39002 may be used with 470-490nm CWL LEDs.

WideField Sets 49002 49020 39002	Laser Sets 49904
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LysoTracker Red/pH 5.2 EX: 577nm EM: 590nm
49008 may be used with LEDs with CWL 545-575nm; 49305 may be used with 535-550nm CWL LEDs.

WideField Sets 49008	Laser Sets 49909
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LysoTracker Yellow HCK-123 EX: 486nm EM: 563nm
49023 may be used with LEDs with CWL 485-515nm; 39009 may be used with 470-490nm CWL LEDs.

WideField Sets 49023 39009	Laser Sets Contact Us
---	---

M

mCherry

EX: 587nm EM: 610nm

49008, 39010 may be used with LEDs with CWL 545-575nm; 49306 may be used with 570-595nm CWL LEDs.

WideField

Laser

Sets

Sets

[49008](#)

[49910](#)

[49306](#)

[49911](#)

[39010](#)

mCitrine

EX: 514nm EM: 529nm

49003, 39003 may be used with LEDs with CWL 490-505nm; 49023 may be use with 490-520nm CWL LEDs.

WideField

Laser

Sets

Sets

[49003](#)

[49905](#)

[39003](#)

[49904](#)

MitoTracker Deep Red 633/MeOH

EX: 644nm EM: 665nm

49006 may be used with LEDs with CWL 595-640nm; 39007 may be used with 600-635nm CWL LEDs; 49009 may be used with 625-650nm CWL LEDs.

WideField

Laser

Sets

Sets

[49006](#)

[Contact](#)

[49009](#)

[Us](#)

[39007](#)

MitoTracker Green FM/MeOH

EX: 490nm EM: 516nm

49002 may be used with LEDs with CWL 455-485nm; 49011 may be used with 465-495nm CWL LEDs; 39002 may be used with 470-490nm CWL LEDs.

WideField

Laser

Sets

Sets

[49002](#)

[Contact](#)

[49011](#)

[Us](#)

[39002](#)

MitoTracker Orange/MeOH

EX: 551nm EM: 576nm

49004, 49305 may be used with LEDs with CWL 535-555nm; 39004 may be used with 535-550nm CWL LEDs.

WideField

Laser

Sets

Sets

[49305](#)

[Contact](#)

[49004](#)

[Us](#)

[39004](#)

MitoTracker Red/MeOH

EX: 578nm EM: 599nm

49008, 39010 may be used with LEDs with CWL 545-575nm; 49306 may be used with 570-595nm CWL LEDs.

WideField

Laser

Sets

Sets

[49008](#)

[49910](#)

[49306](#)

[39010](#)

mKate2	EX: 589nm EM: 634nm	WideField Sets 49008 49306 39010	Laser Sets 49911 49912
49008, 39010 may be used with LEDs with CWL 545-575nm; 49306 may be used with 570-595nm CWL LEDs.			
mKeima Red	EX: 440nm EM: 620nm	WideField Sets 49024	Laser Sets Contact Us
49024 may be used with LEDs with CWL 430-450nm.			
mKO	EX: 548nm EM: 559nm	WideField Sets 49014 49010	Laser Sets 49907 49906
49014 may be used with LEDs with CWL 520-540nm; 49010 is not appropriate for use with LEDs because the bandwidth is too narrow.			
mOrange2	EX: 548nm EM: 562nm	WideField Sets 49014 49010	Laser Sets 49907 49906
49014 may be used with LEDs with CWL 520-540nm; 49010 is not appropriate for use with LEDs because the bandwidth is too narrow.			
mPlum	EX: 589nm EM: 648nm	WideField Sets 49017 19006	Laser Sets Contact Us
49017, 19006 may be used with LEDs with CWL 545-575nm			
mRFP1	EX: 584nm EM: 607nm	WideField Sets 49008 49306 39010	Laser Sets 49910 49911
49008, 39010 may be used with LEDs with CWL 545-575nm; 49306 may be used with 570-595nm CWL LEDs.			
mTFP1	EX: 462nm EM: 492nm	WideField Sets 49013	Laser Sets 49903 49902
49013 may be used with LEDs with CWL 435-455nm.			

mWasabi

EX: 493nm EM: 509nm

49002 may be used with LEDs with CWL 455-485nm; 49020 may be used with 475-485nm CWL LEDs; 39002 may be used with 470-490nm CWL LEDs.

WideField
Sets
[49002](#)
[49020](#)
[39002](#)

Laser
Sets
[49904](#)

N

NBD X/MeOH

EX: 467nm EM: 538nm

49011 may be used with LEDs with CWL 465-495nm; 19008 may be used with 435-465nm CWL LEDs.

WideField
Sets
[49011](#)
[19008](#)

Laser
Sets
[Contact](#)
[Us](#)

Nile Blue

EX: 631nm EM:
660nm

49006 may be used with LEDs with CWL 595-640nm; 39007 may be used with 600-635nm CWL LEDs.

WideField
Sets
[49006](#)
[39007](#)

Laser
Sets
[Contact](#)
[Us](#)

NirFP

EX: 604nm EM: 669nm

49019 may be used with LEDs with CWL 595-640nm.

WideField
Sets
[49019](#)

Laser
Sets
[49912](#)

O

Oregon Green™ 488

EX: 490nm EM: 514nm

49011, 39002 may be used with LEDs with CWL 470-490nm; 49003 set may be used with 490-505nm LED.

WideField
Sets
[49011](#)
[49003](#)
[39002](#)

Laser
Sets
[Contact](#)
[Us](#)

Oregon Green™ 514

EX: 506nm EM: 526nm

49003, 39003 may be used with LEDs with CWL 490-505nm. 49303 may be used with 490-505nm CWL LEDs.

WideField
Sets
[49003](#)
[49303](#)
[39003](#)

Laser
Sets
[Contact](#)
[Us](#)

P

Pacific Blue

EX: 405nm EM: 455nm

49021 may be used with LEDs with CWL 400-410nm; 19011 may be used with 395-410nm CWL LEDs.

WideField
Sets

[49021](#)

[19011](#)

Laser
Sets

[Contact](#)

[Us](#)

Propidium Iodide

EX: 536nm EM: 617nm

49005 may be used with LEDs with CWL 535-555nm; 39005 may be used with 535-550nm CWL LEDs.

WideField
Sets

[49005](#)

[39005](#)

Laser
Sets

[Contact](#)

[Us](#)

Pulsar™ 650

EX: 460nm EM: 650nm

49024 may be used with LEDs with CWL 430-450nm; 39009, 19010 may be used with 470-490nm CWL LEDs.

WideField
Sets

[49024](#)

[39009](#)

[19010](#)

Laser
Sets

[Contact](#)

[Us](#)

Q

Qdot 525

Although the excitation maxima of qdot nanocrystals is in the UV, a broad range of excitation wavelengths may be used.

WideField
Sets

[39101](#)

Laser
Sets

[Contact](#)

[Us](#)

Qdot 545

Although the excitation maxima of qdot nanocrystals is in the UV, a broad range of excitation wavelengths may be used.

WideField
Sets

[39102](#)

Laser
Sets

[Contact](#)

[Us](#)

Qdot 565

Although the excitation maxima of qdot nanocrystals is in the UV, a broad range of excitation wavelengths may be used.

WideField
Sets

[39103](#)

Laser
Sets

[Contact](#)

[Us](#)

Qdot 585

Although the excitation maxima of qdot nanocrystals is in the UV, a broad range of excitation wavelengths may be used.

WideField
Sets

[39104](#)

Laser
Sets

[Contact](#)

[Us](#)

Qdot 605

Although the excitation maxima of qdot nanocrystals is in the UV, a broad range of excitation wavelengths may be used.

WideField
Sets
[39105](#)

Laser
Sets
[Contact Us](#)

Qdot 625

Although the excitation maxima of qdot nanocrystals is in the UV, a broad range of excitation wavelengths may be used.

WideField
Sets
[39106](#)

Laser
Sets
[Contact Us](#)

Qdot 655

Although the excitation maxima of qdot nanocrystals is in the UV, a broad range of excitation wavelengths may be used.

WideField
Sets
[39107](#)

Laser
Sets
[Contact Us](#)

Qdot 705

Although the excitation maxima of qdot nanocrystals is in the UV, a broad range of excitation wavelengths may be used.

WideField
Sets
[39108](#)

Laser
Sets
[Contact Us](#)

Qdot 800

Although the excitation maxima of qdot nanocrystals is in the UV, a broad range of excitation wavelengths may be used.

WideField
Sets
[39109](#)

Laser
Sets
[Contact Us](#)

Quasar® 570

EX: 548nm EM: 566nm

49014 may be used with LEDs with CWL 520-540nm; 49304 may be used with 540-550nm CWL LEDs.

WideField
Sets
[49014](#)
[49304](#)

Laser
Sets
[Contact Us](#)

Quasar® 670

EX: 647nm EM: 670nm

49006 may be used with LEDs with CWL 595-640nm; 39007 may be used with 600-635nm CWL LEDs; 49009 may be used with 625-650nm CWL LEDs.

WideField
Sets
[49006](#)
[49009](#)
[39007](#)

Laser
Sets
[Contact Us](#)

Quasar® 705

EX: 690nm EM: 705nm

49022 may be used with LEDs with CWL 635-670nm.

WideField
Sets
[49022](#)

Laser
Sets
[Contact Us](#)

R

R-phycoerythrin

EX: 565nm EM: 578nm

49014 may be used with LEDs with CWL 520-540nm; 19004 may be used with 535-545nm CWL LEDs; 49010 is not appropriate for use with LEDs because the bandwidth is too narrow.

WideField

Sets

[49010](#)

[49014](#)

[19004](#)

Laser

Sets

[49909](#)

ReAsH-CCPGCC

EX: 592nm EM:
606nm

49008, 39010 may be used with LEDs with CWL 545-575nm; 49306 may be used with 570-595nm CWL LEDs.

WideField

Sets

[49008](#)

[49306](#)

[39010](#)

Laser

Sets

[Contact](#)

[Us](#)

Resorufin

EX: 571nm EM: 585nm

49004, 49305 may be used with LEDs with CWL 535-555nm; 39004 may be used with 535-550nm CWL LEDs.

WideField

Sets

[49305](#)

[39004](#)

Laser

Sets

[Contact](#)

[Us](#)

Rhod-2

EX: 552nm EM: 581nm

49004, 49305 may be used with LEDs with CWL 535-555nm; 39004 may be used with 535-550nm CWL LEDs.

WideField

Sets

[49004](#)

[49305](#)

[39004](#)

Laser

Sets

[49908](#)

Rhodamine 123

EX: 507nm EM: 529nm

49003, 39003 may be used with LEDs with CWL 490-505nm.

WideField

Sets

[49003](#)

[39003](#)

Laser

Sets

[49905](#)

Rhodamine 6G

EX: 525nm EM: 555nm

49023 may be use with LEDs with CWL 485-515nm.

WideField

Sets

[49023](#)

Laser

Sets

[49906](#)

[49907](#)

Rhodamine Red™-X EX: 570nm EM: 590nm
49008, 39010 may be used with LEDs with CWL 545-575nm.

WideField Sets	Laser Sets
49008	49910
39010	

ROX EX: 578nm EM:
604nm
49008, 39010 may be used with LEDs with CWL 545-575nm.

WideField Sets	Laser Sets
49008	49910
39010	

S

SBFI/Na+ -free EX: 340nm EM: 505nm

WideField Sets	Laser Sets
79001	Contact
	Us

SBFI/Na+ -saturated EX: 380nm EM: 505nm

WideField Sets	Laser Sets
79001	Contact
	Us

SNARF pH 6.0

WideField Sets	Laser Sets
Contact	Contact
Us	Us

SNARF pH 9.0 EX: 575nm EM: 641nm

WideField Sets	Laser Sets
Contact	Contact
Us	Us

Sulforhodamine 101 EX: 586nm EM: 605nm
49008, 39010 may be used with LEDs with CWL 545-575nm.

WideField Sets	Laser Sets
49008	Contact
39010	Us

SYBR® Green I EX: 498nm EM: 522nm

49011, 39002 may be used with LEDs with CWL 465-495nm; 49002 may be used with 455-485nm CWL LEDs.

WideField Sets	Laser Sets
49011	49904
39002	
49002	

SYTO 9/DNA

EX: 483nm EM:
500nm

49011, 39002 may be used with LEDs with CWL 465-495nm; 49002 may be used with 455-485nm CWL LEDs.

WideField Sets	Laser Sets
49002	49904
39002	
49011	

SYTO® 60

EX: 652nm EM: 678nm

49006 may be used with LEDs with CWL 595-640nm; 39007 may be used with 600-635nm CWL LEDs; 49009 may be used with 625-650nm CWL LEDs.

WideField Sets	Laser Sets
49006	49913
39007	49914
49009	

T

T-Sapphire

EX: 398nm EM: 510nm

WideField Sets	Laser Sets
Contact Us	Contact Us

TagBFP

EX: 402nm EM: 457nm

49021 may be used with 400-410nm CWL LEDs, 49028 may be used with 385-400nm CWL LEDs.

WideField Sets	Laser Sets
49021	49901
49028	

TagRFP

EX: 556nm EM: 584nm

49004, 49305 may be used with LEDs with CWL 535-555nm; 39004 may be used with 535-550nm CWL LEDs.

WideField Sets	Laser Sets
49004	49909
49305	49908
39004	

TAMRA

EX: 555nm EM:
580nm

49004, 49305 may be used with LEDs with CWL 535-555nm; 39004 may be used with 535-550nm CWL LEDs.

WideField
Sets
[49004](#)
[49305](#)
[39004](#)

Laser
Sets
[49909](#)

tdTomato

EX: 554nm EM: 581nm

49004, 49305 may be used with LEDs with CWL 535-555nm; 39004 may be used with 535-550nm CWL LEDs.

WideField
Sets
[49004](#)
[49305](#)
[39004](#)

Laser
Sets
[49909](#)
[49908](#)

TET

EX: 521nm EM: 536nm

49023 may be used with LEDs with CWL 485-515nm.

WideField
Sets
[49023](#)

Laser
Sets
[Contact Us](#)

Tetracycline

EX: 405nm EM: 550nm

WideField
Sets
[49026](#)

Laser
Sets
[Contact Us](#)

Tetramethylrhodamine isothiocyanate

EX: 555nm EM: 580nm

49004, 49305 may be used with LEDs with CWL 535-555nm; 39004 may be used with 535-550nm CWL LEDs.

WideField
Sets
[49004](#)
[49305](#)
[39004](#)

Laser
Sets
[49909](#)
[49908](#)

Texas Red®

EX: 595nm EM: 620nm

49008, 39010 may be used with LEDs with CWL 545-575nm; 49306 may be used with 570-595nm CWL LEDs.

WideField
Sets
[49008](#)
[49306](#)
[39010](#)

Laser
Sets
[49911](#)
[49910](#)

Texas Red®-X

EX: 595nm EM: 615nm

49008, 39010 may be used with LEDs with CWL 545-575nm; 49306 may be used with 570-595nm CWL LEDs.

WideField
Sets
[49008](#)
[49306](#)
[39010](#)

Laser
Sets
[Contact Us](#)

TO-PRO™-3

EX: 642nm EM: 661nm

49006 may be used with LEDs with CWL 595-640nm; 39007 may be used with 600-635nm CWL LEDs; 49009 may be used with 625-650nm CWL LEDs.

WideField

Laser

Sets

Sets

[49006](#)[Contact](#)[49009](#)[Us](#)[39007](#)

Topaz

EX: 514nm EM: 529nm

49003, 39003 may be used with LEDs with CWL 490-505nm.

WideField

Laser

Sets

Sets

[49003](#)[49905](#)[39003](#)[49904](#)

TRITCEX: 555nm EM:
580nm

49004, 49305 may be used with LEDs with CWL 535-555nm; 39004 may be used with 535-550nm CWL LEDs.

WideField

Laser

Sets

Sets

[49004](#)[49909](#)[49305](#)[49908](#)[39004](#)

TurboFP650

EX: 592nm EM: 650nm

49008, 49017 and 19006 may be used with LEDs with CWL 545-575nm.

WideField

Laser

Sets

Sets

[49008](#)[49912](#)[49017](#)[49911](#)[19006](#)

W

wtGFP

EX: 475nm EM: 509nm

19008 may be used with LEDs with CWL 435-470nm; 49002 may be used with 455-485nm CWL LEDs

WideField

Laser

Sets

Sets

[19008](#)[Contact](#)[49002](#)[Us](#)

X

X-rhod-1/Ca2+

EX: 580nm EM: 601nm

WideField

Laser

49008, 39010 may be used with LEDs with CWL 545-575nm; 49306 may be used with 570-595nm CWL LEDs.

Sets
[49008](#)
[49306](#)
[39010](#)

Sets
[Contact Us](#)

Z

ZsGreen1

EX: 493nm EM: 505nm

WideField

Laser

49002 may be used with LEDs with CWL 455-485nm; 49020 may be used with 475-485nm CWL LEDs; 39002 may be used with 470-490nm CWL LEDs.

Sets
[49002](#)
[49020](#)
[39002](#)

Sets
[49904](#)

ZsYellow

EX: 529nm EM: 539nm

WideField

Laser

49023 may be use with LEDs with CWL 485-515nm; 49003 set may be used with 490-505nm LED.

Sets
[49023](#)
[49003](#)

Sets
[49905](#)



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