

FILTERS FOR FLOW CYTOMETRY



Bringing information to light

introduction Omega® Optical offers flow cytometry filters to support a wide variety of fluorophores, tandems, and multi-color cell sorting and analysis applications. Three and four fluoro-chrome analysis has become standard, and as the number of lasers and fluorescent detection channels in instruments increase, applications require filters designed to maximize multiple dye discrimination. Flow cytometry filters are manufactured to fit all research and clinical instruments including Beckman Coulter, Becton Dickinson, DAKO Cytomation, and others.

emission filters

Part Number	Description	List Price
XCY-390DF30	Indo-1 (bound Ca ²⁺)	\$150
XCY-405DF20	Indo-1 (bound Ca ²⁺)	\$150
XCY-424DF44	DAPI, Hoechst 33342 and 32580, AMCA, Alexa Fluor® 350, Marina Blue®	\$150
XCY-440DF10	Cascade Blue®, Pacific Blue™, Hoechst 34580	\$150
XCY-450DF20	DAPI, Hoechst 33342 and 32580, AMCA, Alexa Fluor® 350, Marina Blue®, BFP	\$150
XCY-450DF50	Alexa Fluor® 405	\$150
XCY-475ABLP	Chromomycin A3	\$150
XCY-485DF22	Indo-1 (free Ca ²⁺), CFP	\$150
XCY-495DF20	Indo-1 (free Ca ²⁺), CFP	\$150
XCY-510DF21	GFP (for separation of GFP and YFP)	\$150
XCY-530DF30	Fluorescein, Oregon Green® 488, Alexa Fluor® 488, Cy2®, GFP, ELF®-97, PKH2, PKH67	\$150
XCY-535DF45	Fluorescein, Oregon Green® 488, Alexa Fluor® 488, Cy2®, GFP, ELF®-97, PKH2, PKH67, YFP	\$150
XCY-550DF30	YFP (for separation of YFP and GFP)	\$150
XCY-575DF26	PE, PI, Cy3®, CF-3, CF-4, TRITC, PKH26	\$150
XCY-575ABLP	Mithramycin	\$150
XCY-585DF22	PE, PI, Cy3®, CF-3, CF-4, TRITC, PKH26	\$150
XCY-610DF20	Lissamine rhodamine B, Rhodamine Red™, Alexa Fluor® 568	\$150
XCY-610DF30	Lissamine rhodamine B, Rhodamine Red™, Alexa Fluor® 568	\$150
XCY-630DF22	PE-Texas Red®, Texas Red®, Alexa Fluor® 594	\$150
XCY-635DF40	PE-Alexa Fluor® 610**	\$150
XCY-660DF20	APC, Alexa Fluor® 633, CF-1, CF-2, PBXL-1, PBXL-3	\$150
XCY-670DF40	Cy5® (for separation from Cy7® and conjugates)	\$150
XCY-675DF20	Cy5®, Alexa Fluor® 647, TO-PRO®-3	\$150
XCY-682DF22	Cy5®, Alexa Fluor® 647, Alexa Fluor® 660, PE-Alexa Fluor® 647, PE-Cy5®, TO-PRO®-3	\$150
XCY-680AGLP	PE-Cy5®, PE/Cy5.5®, PE-Cy7®**	\$150
XCY-700DF20	APC-Cy5.5®	\$150
XCY-710DF20	Cy5.5®, Alexa Fluor® 680, PE-Alexa Fluor® 680, APC-Alexa Fluor® 680, PE-Cy5.5®	\$150
XCY-740ABLP	Cy7® (for separation from Cy5® and conjugates)	\$150
XCY-748ALP	PE-Cy7®, APC-Cy7®	\$150
XCY-770ABLP	Cy7®	\$150
XCY-787DF43	Cy7®, APC-Alexa Fluor® 750	\$150

Quantum Dots

Part Number	Fluorophore	Description	Prices
XF3301	Qdot 525	525WB20	\$150
XF3302	Qdot 565	565WB20	\$150
XF3303	Qdot 585	585WB20	\$150
XF3304	Qdot 605	605WB20	\$150
XF3305	Qdot 655	655WB20	\$150
XF3113	Qdot 705	715AF40	\$250

** Optimal filters for the Beckman Coulter XL for visualizing multiple fluorophores: FL3 channel (XCY-635DF40) and FL4 channel (XCY-680AGLP).

Size: 25mm and 15mm round; 12.5mm round and square. Pricing the same for all sizes.

Thickness: Ring ≤6.7mm

Blocking: UV-900nm, ≥OD5

dichroic filters

Part Number	Description	List Price
XCY-380DRLP	Detection of side scatter during Indo-1 analysis	\$150
XCY-425DRLP	Separation of DAPI from FITC or GFP	\$150
XCY-450DRLP	Separation of Cascade Blue® and Pacific Blue™ from FITC	\$150
XCY-460DRLPXR	Extended Reflection Longpass; Indo-1 ratiometric analysis (extended reflection) and Separation of Hoechst 33258 from Chronocyanin A3	\$250
XCY-480DRLP	Separation of Cascade Blue® from Cascade Yellow® or ELF®-97	\$150
XCY-505DRLPXR	Extended Reflection Longpass; Reflects 451nm, 457nm, 477nm, 488nm and UV laser lines, transmits > 525nm	\$250
XCY-525DCSP	Shortpass; Separation of GFP from YFP	\$125
XCY-560DRSP	Shortpass; Separation of FITC from PE	\$150
XCY-570DRLP	Separation of Mithramycin from Ethidium Bromide	\$150
XCY-610DRSP	Shortpass; Separation of FITC or PE from PE-Cy5®; Hoechst SP analysis	\$150
XCY-640DRLP	Separation of APC from dyes with shorter wavelengths	\$150
XCY-690DRLP	Separation of APC from APC-Cy5.5® or APC-Cy7®	\$150
XCY-710DMLP	Separation of PE and Cy5® from PE-Cy5.5® or PE-Cy7®	\$150
XCY-760DRLP	Separation of Cy5.5® from Cy7® and their conjugates	\$150

Size: 25mm, 15mm, and 12.5mm round. Pricing the same for all sizes.

Thickness: Ring ≤6.7mm

AOI: Specify dichroic AOI 45° or 11.25°.

filter sets

Part Number	Fluorophores	Set Price	Component	Type	Description	Price
			Part Number			
XCY-500	EGFP/YFP	\$400	XCY-525DCSP	Dichroic	525DCSP	\$125
			XCY-510DF21	Emitter 1	510DF21	\$150
			XCY-550DF30	Emitter 2	550DF30	\$150
XCY-501	Cy5®/Cy7®	\$425	XCY-710DMLP	Dichroic	710DMLP	\$150
			XCY-670DF40	Emitter 1	670DF40	\$150
			XCY-740ABLP	Emitter 2	740ABLP	\$150

Size: 25mm and 15mm round; 12.5mm round and square. Pricing the same for all sizes.

Thickness: Ring ≤6.7mm

Blocking: UV-900nm, ≥OD5

AOI: Specify dichroic AOI 45° or 11.25°.

Filters for additional fluorophores can be ordered from our extensive fluorescence microscopy product line on our **additional filters** website or in our catalog. We can also manufacture custom filters to your specifications through our Rapid Custom Program with delivery in 5-10 days. Filters for additional laser line rejection are also available.

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