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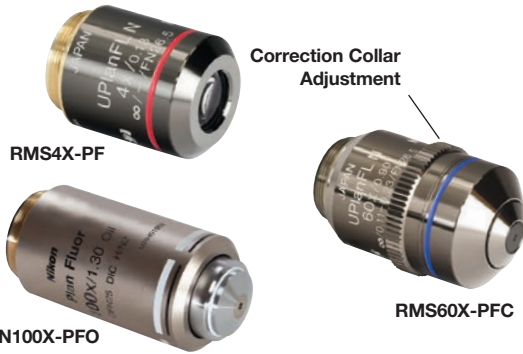
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Plan Fluorite Objectives

NEW products



Thorlabs offers both Olympus and Nikon Plan Fluorite objectives. These infinity-corrected visible and NIR microscope objectives provide 4X, 10X, 20X, 40X, or 60X magnification (M). Plan Fluorite objectives are corrected at three to four colors for spherical aberration and two to four colors for chromatic aberration. They are designed to produce flat images across the field of view and are well suited for use in color laser scanning microscopy applications. With high signal-to-noise ratios, excellent resolution, and high contrast imaging, they are also useful in brightfield and Nomarski DIC observations.

The correction collar on the RMS60X-PFC rotates; by rotating the collar, the distance between the objective optical elements is changed, thereby correcting for cover glass thickness.

Olympus Plan Fluorite Objectives

ITEM #	M	NA	WD	LENGTH	DESCRIPTION	\$	£	€	RMB
RMS4X-PF	4X	0.13	17 mm	32.39 mm	4X Plan Fluorite Objective	\$ 547.00	£ 393.84	€ 475,89	¥ 4,359.59
RMS10X-PF	10X	0.30	10 mm	39.39 mm	10X Plan Fluorite Objective	\$ 979.00	£ 704.88	€ 851,73	¥ 7,802.63
RMS20X-PF	20X	0.50	2.1 mm	47.29 mm	20X Plan Fluorite Objective	\$ 1,095.00	£ 788.40	€ 952,65	¥ 8,727.15
RMS40X-PF	40X	0.75	0.51 mm	48.88 mm	40X Plan Fluorite Objective	\$ 1,272.00	£ 915.84	€ 1,106,64	¥ 10,137.84
RMS60X-PFC	60X	0.90	0.2 mm	49.39 mm	60X Plan Fluorite Objective w/ Correction Collar	\$ 3,228.00	£ 2,324.16	€ 2,808,36	¥ 25,727.16

Nikon Plan Fluorite Objectives*

ITEM #	M	NA	WD	DESCRIPTION	\$	£	€	RMB
N4X-PF	4X	0.13	17.2 mm	4X Plan Fluorite Objective	\$ 415.00	£ 298.80	€ 361,05	¥ 3,307.55
N10X-PF	10X	0.30	16 mm	10X Plan Fluorite Objective	\$ 754.00	£ 542.88	€ 655,98	¥ 6,009.38
N20X-PF	20X	0.50	2.1 mm	20X Plan Fluorite Objective	\$ 836.00	£ 601.92	€ 727,32	¥ 6,662.92
N40X-PF	40X	0.75	0.66 mm	40X Plan Fluorite Objective	\$ 952.00	£ 685.44	€ 828,24	¥ 7,587.44
N60X-PF	60X	0.85	0.31 - 0.4 mm	60X Plan Fluorite Objective	\$ 2,244.00	£ 1,615.68	€ 1,952,28	¥ 17,884.68
N100X-PFO	100X	1.3	0.16 mm	100X Oil Immersion Plan Fluorite Objective	\$ 2,030.00	£ 1,461.60	€ 1,766,10	¥ 16,179.10

*Please refer to our website for complete details.

Oil Immersion Objectives

These objectives, which provide 40X, 60X, or 100X magnification, are designed for use in oil immersion applications. A drop of oil is placed between the objective and the cover glass in order to increase the objective's numerical aperture value to be above 1. Note that if an oil immersion objective is used without oil, the image quality will be degraded.

Plan fluorite objectives are coated for both visible and NIR wavelengths. The RMS100X-O is a plan achromat design, which is coated for visible wavelengths. The RMS60-PFOD and RMS100X-FPOD objectives both feature a built-in iris diaphragm, as shown to the right, that should be partially closed during darkfield microscopy applications. For ordinary brightfield observations, the iris should be left completely open.

NEW products

IRIS DIAPHRAGM ADJUSTMENT



Microscope Immersion Oil

- Designed for Use with Oil Immersion Objectives
- Low Auto-Fluorescence for Multiphoton Imaging
- Contains 30 mL of Microscope Immersion Oil



NEW product

ITEM #	\$	£	€	RMB	DESCRIPTION
MOIL-30	\$ 45.00	£ 32.40	€ 39,15	¥ 358.65	Immersion Oil, 30 mL

ITEM #	M	NA	WD	LENGTH	DESCRIPTION	\$	£	€	RMB
RMS40X-PFO	40X	0.13	0.2 mm	49.39 mm	40X Oil Immersion Objective	\$ 5,798.00	£ 4,174.56	€ 5,044,26	¥ 46,210.06
RMS60X-PFOD	60X	1.25 - 0.65	0.12 mm	49.47 mm	60X Oil Immersion Objective with Iris	\$ 3,375.00	£ 2,430.00	€ 2,936,25	¥ 26,898.75
RMS100X-PFO	100X	1.3	0.2 mm	49.19 mm	100X Oil Immersion Objective	\$ 2,644.00	£ 1,903.68	€ 2,300,28	¥ 21,072.68
RMS100X-PFOD	100X	1.3 - 0.6	0.2 mm	49.19 mm	100X Oil Immersion Objective with Iris	\$ 3,184.00	£ 2,292.48	€ 2,770,08	¥ 25,376.48
RMS100X-O	100X	1.25	0.15 mm	49.24 mm	100X Oil Immersion Achromat Objective	\$ 1,100.00	£ 792.00	€ 957,00	¥ 8,767.00