

## CFI Plan Fluor series

Featuring a high transmission rate, especially in the ultraviolet wavelength, and flatness of field, this series is designed for fluorescence observation and imaging. These objectives can function as multi-purpose objectives for brightfield, fluorescence, simple polarizing, and DIC observations.



CFI Plan Fluor 4X, 10X, 20X, 40X, 60XC and 100X Oil



CFI Plan Fluor DLL 10X, 20X, 40X and 100X Oil

## CFI Super Fluor series

This CFI Super Fluor series ensures an extra-high transmission rate of ultraviolet wavelengths down to 340nm for fluorochromes like indo-1 and fura-2. Also, these objectives have improved S/N ratios for short wavelengths and have high NA, making the fluorescence images they produce significantly sharper and brighter.



CFI Super Fluor 10X, 20X, 40XC and 40X Oil

Use	Model	NA	W.D., (mm)	Cover glass thickness	Spring loaded	Brightfield	Darkfield	DIC	Phase contrast	Polarizing	Fluorescence		Ti2-E PFS	
											UV	Visible light		
Brightfield (CFI Plan Fluor)	4X	0.13	17.20	—		○				●	○	○		
	10X	0.30	16.00	0.17		○	△	○	○	○	○	○	●	
	20X	0.50	2.10	0.17		○	●	○	○	○	○	○		
	20XC MI	0.75	0.51-0.35 (oil) 0.51-0.34 (glycerin) 0.49-0.33 (water)	0-0.17	✓	○	○	○	○	○	○	○	○	
	40X	0.75	0.66	0.17	✓	○	○	○	○	○	○	○	○	●
	40X Oil	1.30	0.24	0.17	✓	○	○	○	○	○	○	○	○	●
	60XC	0.85	0.40-0.31	0.11-0.23	✓	○	●	○	○	○	○	○	○	●
	60XS Oil	0.50-1.25	0.22	0.17	✓	○	○	○	○	○	○	○	○	
	100X Oil	1.30	0.16	0.17	✓	○	○	○	○	○	○	○	○	●
	100XS Oil	0.50-1.30	0.16	0.17	✓	○	○	○	○	○	○	○	○	
Phase contrast (CFI Plan Fluor)	DL 4XF	0.13	16.50	1.20		○			○ PHL		○	○		
	DLL 10X	0.30	16.00	0.17		○	△		○ PH1		○	○	●	
	DL 10XF	0.30	15.20	1.20		○	△		○ PH1		○	○	●	
	DLL 20X	0.50	2.10	0.17		○	○		○ PH1		○	○	●	
	DLL 40X	0.75	0.66	0.17	✓	○	○		○ PH2		○	○	●	
	DLL 100X Oil	1.30	0.16	0.17	✓	○	○		○ PH3		○	○	●	
	DM 40X	0.75	0.66	0.17	✓	○	○		○ PH2		○	○	●	
	BM 40X	0.75	0.66	0.17	✓	○	○		○ PH2		○	○	●	
	ADH 100X Oil	1.30	0.16	0.17	✓	○	○		○ PH3		○	○	●	
	4X	0.20	15.50	—		○				●	○	○	○	
Apodized phase contrast (CFI Plan Fluor)	10X	0.50	1.20	0.17	✓	○	○	○		●	○	○	○	
	20X	0.75	1.00	0.17	✓	○	○	○		●	○	○	○	
	40XC	0.90	0.34-0.26	0.11-0.23	✓	○	○	○		●	○	○	○	
	40X Oil	1.30	0.22	0.17	✓	○	○	○	○	●	○	○	○	
	100XS Oil	0.50-1.30	0.20	0.17	✓	○	○	○	○	●	○	○	○	
Brightfield (CFI Super Fluor)	10X	0.50	1.20	0.17	✓	○	○	○		●	○	○	○	
	20X	0.75	1.00	0.17	✓	○	○	○		●	○	○	○	
	40XC	0.90	0.34-0.26	0.11-0.23	✓	○	○	○		●	○	○	○	
	40X Oil	1.30	0.22	0.17	✓	○	○	○	○	●	○	○	○	
	100XS Oil	0.50-1.30	0.20	0.17	✓	○	○	○	○	●	○	○	○	