

EVOS Objectives

Plan achromat								
Magnification	NA	WD (mm)	Bright-field	Phase	Long working distance	Coverslip-corrected	Oil	Cat. No.
2x	0.06	5.10	•		•			AMEP4631
4x	0.13	16.90	•	•	•			AMEP4632
10x	0.25	6.90	•	•	•			AMEP4633
20x	0.40	6.80	•	•	•			AMEP4634
40x	0.65	3.10	•	•	•			AMEP4635
50x	0.95	0.19	•			•	•	AMEPOP050
100x	1.25	0.15	•			•	•	AMPFOP100

Plan achromat: Perfect for general applications; color and focus have standard correction compared to apochromat and fluorite objectives.

Plan fluorite								
Magnification	NA	WD (mm)	Bright-field	Phase	Long working distance	Coverslip-corrected	Oil	Cat. No.
4x	0.13	19.70	•		•			AMEP4622
4x	0.13	16.90	•	•	•			AMEP4680
10x	0.30	8.30	•		•			AMEP4623
10x	0.25	9.20	•	•	•			AMEP4681
20x	0.45	7.10	•		•			AMEP4624
20x	0.40	3.10	•	•	•			AMEP4682
20x	0.50	2.50	•			•		AMEP4698
40x	0.65	2.80	•		•			AMEP4625
40x	0.65	1.60	•	•	•			AMEP4683
40x	0.75	0.72	•			•		AMEP4699
40x	1.30	0.20	•			•	•	AMEP4735
60x	0.75	2.20	•		•			AMEP4626
100x	1.28	0.21	•			•	•	AMEP4700

Plan fluorite: Excellent resolution resulting in bright fluorescence signal and high-contrast imaging. Helps reduce optical aberrations; color and focus have a higher level of correction.

Plan apochromat								
Magnification	NA	WD (mm)	Bright-field	Phase	Long working distance	Coverslip-corrected	Oil	Cat. No.
1.25x	0.04	5.00	•		•			AMEP4736
2x	0.08	6.22	•		•			AMEP4751
4x	0.16	13.0	•		•			AMEP4752
10x	0.40	3.10	•			•		AMEP4753
20x	0.75	0.60	•			•		AMEP4734
40x	0.95	0.18	•			•		AMEP4754
60x	1.42	0.15	•			•	•	AMEP4694
100x	1.40	0.13	•			•	•	AMEP4733

Plan apochromat: Highest levels of resolution, fluorescence brightness, contrast, and chromatic correction compared to achromat and fluorite objectives. NA=Numerical aperture, WD=Working distance

Long working distance vs. coverslip-corrected

Long working distance

Optimized for use through vessels with nominal wall thickness of 0.9–1.5 mm (slides, flasks, microtiter dishes, etc.).

Coverslip-corrected

Optimized for use through #1.5 coverslips (approximately 0.17 mm thick). Have a higher magnification-to-numerical aperture (NA) ratio and provide higher resolution compared to long working distance.

Find out more at thermofisher.com/evos