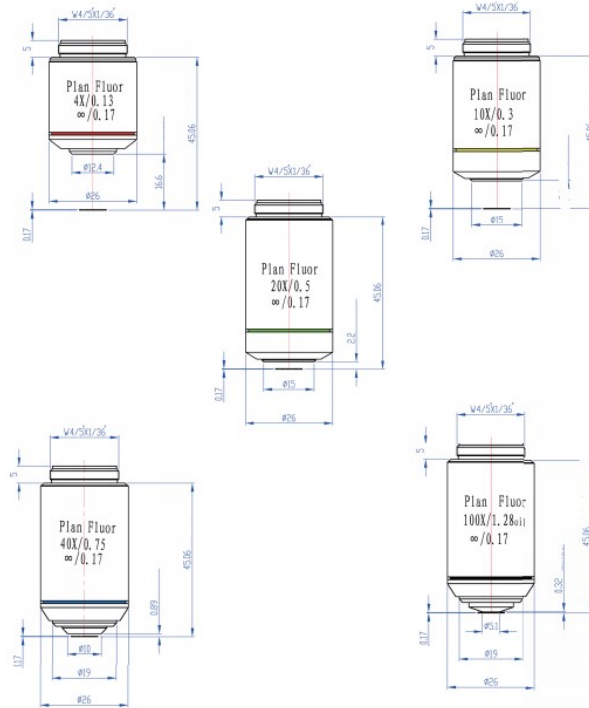




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## Microscope Objectives Plan Fluorescence



Plan Fluorescence					
Magnification	4X	10X	20X	40X	100X (Oil)
Numerical Aperture	0.13	0.3	0.5	0.75	1.28
Working Distance (mm)	16.6	8.3	2.2	0.89	0.32
Slide CT (mm)	0.17	0.17	0.17	0.17	0.17
Focus Length (mm)	46.25	18.5	9.25	4.65	1.85
Conjugate Distance (mm)	∞	∞	∞	∞	∞
Tube Length (mm)	185	185	185	185	185
Wavelength (nm)	400-700	400-700	400-700	400-700	400-700
Resolution (μm)	2.12	0.92	0.55	0.37	0.21
Physical Depth of Focus (μm)	16.27	3.06	1.1	0.49	0.25
Thread	W4/5 x 1/36				

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Inverted Plan Fluorescence					
Magnification	4X	10X	20X	40X	60X
Numerical Aperture	0.13	0.3	0.45	0.65	0.75
Working Distance (mm)	19.72	8.31	7.11	2.81	2.24
Slide CT (mm)	1.2	1.2	1.2	1.2	1.2
Focus Length (mm)	55	22	11	5.5	3.7
Conjugate Distance (mm)	∞	∞	∞	∞	∞
Tube Length (mm)	220	220	220	220	220
Wavelength (nm)	400-700	400-700	400-700	400-700	400-700
Resolution (μm)	2.12	0.92	0.61	0.42	0.37
Physical Depth of Focus (μm)	16.27	3.06	1.36	0.65	0.49
Thread	W4/5 x 1/36				

Plan Fluorescence					
Magnification	4X	10X	20X	40X	100X oil
Numerical Aperture	0.13	0.3	0.5	0.75	1.3
Working Distance (mm)	16.3	12.4	1.5	0.35	0.13
Slide CT (mm)	0.17	0.17	0.17	0.17	0.17
Focus Length (mm)					
Conjugate Distance (mm)	∞	∞	∞	∞	∞
Tube Length (mm)					
Wavelength (nm)					
Resolution (μm)					
Physical Depth of Focus (μm)					
Thread					
Spring				√	√

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<b>Inverted Plan Fluorescence</b>				
<b>Magnification</b>	<b>4X</b>	<b>10X</b>	<b>20X</b>	<b>40X</b>
<b>Numerical Aperture</b>	0.13	0.3	0.5	0.6
<b>Working Distance (mm)</b>	16.3	12.4	1.5	2.2
<b>Slide CT (mm)</b>	1.2	1.2	1.2	1.2
<b>Focus Length (mm)</b>				
<b>Conjugate Distance (mm)</b>	∞	∞	∞	∞
<b>Tube Length (mm)</b>				
<b>Wavelength (nm)</b>				
<b>Resolution (μm)</b>				
<b>Physical Depth of Focus (μm)</b>				
<b>Thread</b>				
<b>Spring</b>				√

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