




Microscope Objectives mPLN Fluor DIC series

mPLN Fluor DIC Series					
Magnification	5x	10x	20x	50x	100x
Numerical Aperture	0.15	0.3	0.45	0.8	0.9
Working Distance (mm)	19.3	11	3.2	0.95	0.9
Slide CT (mm)	0	0	0	0	0
Focus Length (mm)	40	20	10	4	2
Wavelength (nm)	430-660	430-660	430-660	430-660	430-660
Resolution (μm)	1.83	0.92	0.61	0.34	0.31
Physical Depth of focus (μm)	12.22	3.06	1.36	0.43	0.34
Field (Eye Lens, Φ25)	5	2.5	1.25	0.5	0.25
2/3" Sensor (HxV)	1.8x1.32	0.88x0.66	0.44x0.33	0.18x0.13	0.09x0.07
1/2" Sensor (HxV)	1.28x0.96	0.64x0.48	0.32x0.24	0.13x0.10	0.06x0.05
Thread	W4/5 x 1/36				

mPLN Fluor DIC BD Series					
Magnification	5x	10x	20x	50x	100x
Numerical Aperture	0.15	0.3	0.45	0.8	0.9
Working Distance (mm)	19.3	11	3.2	0.95	0.85
Slide CT (mm)	0	0	0	0	0
Focus Length (mm)	40	20	10	4	2
Wavelength (nm)	430-660	430-660	430-660	430-660	430-660
Resolution (μm)	1.83	0.92	0.61	0.34	0.31
Physical Depth of focus (μm)	12.22	3.06	1.36	0.43	0.34
Field (Eye Lens, Φ25)	5	2.5	1.25	0.5	0.25
2/3" Sensor (HxV)	1.8x1.32	0.88x0.66	0.44x0.33	0.18x0.13	0.09x0.07
1/2" Sensor (HxV)	1.28x0.96	0.64x0.48	0.32x0.24	0.13x0.10	0.06x0.05
Thread	W26 x 0.706				


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mPLN Fluor LD			
Magnification	20x	50x	100x
Numerical Aperture	0.4	0.5	0.8
Working Distance (mm)	12.2	10.6	3.2
Slide CT (mm)	0	0	0
Focus Length (mm)	10	4	2
Wavelength (nm)	400-700	400-700	400-700
Resolution (μm)	0.69	0.55	0.34
Physical Depth of focus (μm)	1.72	1.1	0.43
Field (Eye Lens, Φ25)	1.25	0.5	0.25
2/3" Sensor (HxV)	0.44x0.33	0.18x0.13	0.09x0.07
1/2" Sensor (HxV)	0.32x0.24	0.13x0.10	0.06x0.05
Thread	W4/5 x 1/36		

mPLN Fluor LD BD			
Magnification	20x	50x	100x
Numerical Aperture	0.4	0.5	0.8
Working Distance (mm)	12.2	10.6	3.2
Slide CT (mm)	0	0	0
Focus Length (mm)	10	4	2
Wavelength (nm)	400-700	400-700	400-700
Resolution (μm)	0.69	0.55	0.34
Physical Depth of focus (μm)	1.72	1.1	0.43
Field (Eye Lens, Φ25)	1.25	0.5	0.25
2/3" Sensor (HxV)	0.44x0.33	0.18x0.13	0.09x0.07
1/2" Sensor (HxV)	0.32x0.24	0.13x0.10	0.06x0.05
Thread	W26 x 0.706		

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mPLN NIR			
Magnification	50x	100x	100x
Numerical Aperture	0.65	0.75	0.8
Working Distance (mm)	3.1-3.83	3.55	3.3
Slide CT (mm)	0-1.2	0.5	0
Focus Length (mm)	3.6	1.8	1.8
Wavelength (nm)	640-1064	640±30 940-1064	640±30 940-1064
Resolution (μm)	0.42	0.37	0.34
Physical Depth of focus (μm)	0.65	0.49	0.43
Field (Eye Lens, Φ25)	0.5	0.25	0.25
2/3" Sensor (HxV)	0.18x0.13	0.09x0.07	0.09x0.07
1/2" Sensor (HxV)	0.13x0.10	0.06x0.05	0.06x0.05
Thread	W4/5 x 1/36		