

World-Leading Optics

X LINE High Performance Objectives
Excellent flatness and chromatic aberration correction with high NA for all applications.



MAG: 4X	MAG: 10X	MAG: 20X	MAG: 40X	MAG: 40X	MAG: 60X	MAG: 60X	MAG: 100X
W.D.: 13.0	W.D.: 3.1	W.D.: 0.6	W.D.: 0.18	W.D.: 0.13	W.D.: 0.15	W.D.: 0.28	W.D.: 0.13
O.F.N.: 26.5	O.F.N.: 26.5	O.F.N.: 26.5	O.F.N.: 26.5	O.F.N.: 26.5	O.F.N.: 26.5	O.F.N.: 26.5	O.F.N.: 26.5
N.A.: 0.16	N.A.: 0.40	N.A.: 0.80	N.A.: 0.95	N.A.: 1.40	N.A.: 1.42	N.A.: 1.20	N.A.: 1.45
IM: 1.00	IM: 1.00	IM: 1.00	IM: 1.00	IM: 1.52	IM: 1.52	IM: 1.33	IM: 1.52

Live Cell Imaging

Sample-matching refractive index and outstanding time-lapse imaging properties with high NA and WD.



MAG: 25X	MAG: 30X	MAG: 40X	MAG: 60X	MAG: 100X
W.D.: 2.0	W.D.: 0.8	W.D.: 0.3	W.D.: 0.3	W.D.: 0.2
O.F.N.: 26.5	O.F.N.: 22.0	O.F.N.: 22.0	O.F.N.: 22.0	O.F.N.: 22.0
N.A.: 0.85	N.A.: 1.05	N.A.: 1.25	N.A.: 1.30	N.A.: 1.35
IM: 1.33-1.40	IM: 1.40	IM: 1.40	IM: 1.40	IM: 1.40

Cell Culture Observation

Expansive working distance for easy cell culture inspection at high resolution.



MAG: 20X	MAG: 20X	MAG: 40X	MAG: 60X
W.D.: 0.8-1.8	W.D.: 6.6-7.8	W.D.: 3.0-4.2	W.D.: 1.5-2.2
O.F.N.: 26.5	O.F.N.: 26.5	O.F.N.: 26.5	O.F.N.: 26.5
N.A.: 0.70	N.A.: 0.45	N.A.: 0.60	N.A.: 0.70
IM: 1.00	IM: 1.00	IM: 1.00	IM: 1.00

Macro Imaging

High performance objectives with vast Field of view.



MAG: 1.25X	MAG: 2X
W.D.: 5.0	W.D.: 6.2
O.F.N.: 26.5	O.F.N.: 26.5
N.A.: 0.04	N.A.: 0.08
IM: 1.00	IM: 1.00

Co-Localization

Minimal chromatic aberration with a Confocal Microscope.



MAG: 60X
W.D.: 0.12
O.F.N.: 22
N.A.: 1.40
IM: 1.52

Water Dipping

Long working distance combined with high NA; 25x objective with dedicated MPE design.



MAG: 20X	MAG: 25X	MAG: 40X	MAG: 60X
W.D.: 2.0	W.D.: 2.0	W.D.: 3.3	W.D.: 2.0
O.F.N.: 22.0	O.F.N.: 18.0	O.F.N.: 26.5	O.F.N.: 26.5
N.A.: 1.00	N.A.: 1.05	N.A.: 0.80	N.A.: 1.00
IM: 1.33	IM: 1.33	IM: 1.33	IM: 1.33

High Resolution

High NA for super resolution and TIRF imaging.



MAG: 60X	MAG: 100X
W.D.: 0.11	W.D.: 0.12
O.F.N.: 22.0	O.F.N.: 22.0
N.A.: 1.50	N.A.: 1.50
IM: 1.52	IM: 1.52

Cleared Tissue Imaging

Dedicated MPE design with expansive working distance, high NA and multi-immersion capabilities.



MAG: 10X	MAG: 25X	MAG: 25X	MAG: 25X	MAG: 16X	MAG: 25X
W.D.: 8.0	W.D.: 4.0	W.D.: 8.0	W.D.: 8.0	W.D.: 3.0	W.D.: 1.0
O.F.N.: 18 / 27.5	O.F.N.: 18 / 27.5	O.F.N.: 18 / 27.5	O.F.N.: 18 / 27.5	O.F.N.: 26.5	O.F.N.: 26.5
N.A.: 0.60	N.A.: 1.00	N.A.: 0.95	N.A.: 1.00	N.A.: 0.80	N.A.: 1.00
IM: 1.33-1.52	IM: 1.33-1.40	IM: 1.33-1.40	IM: 1.41-1.52	IM: 1.33-1.52	IM: 1.45-1.56

*Not dedicated MPE design but suitable for SPE and MPE