

High-NA Multi-Immersion Objective for Light Sheet

SPECIFICATION	VALUE	COMMENTS
Numerical Aperture	0.7 @ RI 1.45	0.64 – 0.75 over RI range
Immersion Media RI	1.33 – 1.56	Includes all major clearing solutions
Effective Focal Length	8.4 mm @ RI 1.45	22x - 26x over RI range w/ 200 mm TL
Working Distance	10.0 mm (for all RI)	2 mm imaging depth with flat sample, 10.0 mm Ø sphere
Field of View	1.0 mm Ø	
Spherical Correction	480 – 1300 nm	Diffraction-limited for most media and λ
Chromatic Correction	480 – 720 nm	Performance varies by media, optimized for CLARITY and TDE
Correction Collar	None needed	Designed for immersion without coverslip
Form Factor	Nikon style	83 mm parfocal distance, M25 threads
Imaging Media Compatibility	DBE, TDE, BB, Eci, other organic, FocusClear/CLARITY, CUBIC, general aqueous, and more	
Target Application	light sheet imaging of cleared tissue	
Price	25K	

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