

10X ZEISS A-Plan Objective

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ZEISS A-Plan Objectives




Stock #13-816 **9 In Stock**

1 C\$446^{.60}

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Qty 1+	C\$446.60 each
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Product Downloads
 EO Spec Sheet

General

Model Number: 421040-9900-000	Compatible Tube Lens Focal Length (mm): Focal Length: 164.50mm
Type: Microscope Objective	Typical Applications: Fluorescence, BrightField
Style: Infinity Corrected	Manufacturer: Zeiss

Physical & Mechanical Properties

Field of View (mm): 2.3	Length excluding Threads (mm): 40.40
Maximum Diameter (mm): 30	Weight (g): 152

Optical Properties

Compatible Cover Glass Thickness (mm): 0.17	Focal Length FL (mm): 16.50
Magnification: 10X	Numerical Aperture NA: 0.25
Resolving Power (µm): 1.1	Depth of Field (µm): 4.40
Working Distance (mm): 4.5	Wavelength Range (nm): 480 - 650
Field Number (mm): 23	Parfocal Length (mm): 45.06
Immersion Liquid: N/A	

Threading & Mounting

Mounting Threads: M27 x 0.75	
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Environmental & Durability Factors

Operating Temperature (°C): +10 to +40

Operating Humidity: 75% at 35°C

Regulatory Compliance

Certificate of Conformance: [View](#)

Product Details

- Ideal for Brightfield and Fluorescence Applications
- Excellent Color Correction and Flatness of Field
- Oil Immersion Options Available

ZEISS A-Plan Infinity Corrected Objectives are designed for a variety of routine life science applications. These objectives exhibit excellent color correction and flatness of field that satisfy ISO 19012-1:2013 standards. They are ideal for brightfield inspection of fixed and stained tissues or cells in fluorescence applications. The large field number of 23mm facilitates fast screening of samples. ZEISS A-Plan Infinity Corrected Objectives are corrected for standard cover slips with 0.17mm thickness.

Note: Tube Lens [#13-828](#) is required when using ZEISS A-Plan Infinity Corrected Objectives with non-ZEISS Infinity Color Corrected (ICS) microscope systems.

Technical Information

Stock No.	A-Plan	A	B	C	D	E	F	G	W.D.	PFL	Mounting Threads
#13-814	2.5X	34.5	6.25	2.75	17.0	22.5	30.0	3.9	10.40	45.06	M27x0.75
#13-815	5X	34.8	7.25	2.75	17.0	22.5	30.0	3.9	10.10	45.06	M27x0.75
#13-816	10X	40.4	4.75	5.25	12.0	22.5	30.0	3.9	4.50	45.06	M27x0.75
#13-817	20X	44.4	7.90	6.30	6.4	22.0	30.0	4.0	0.46	45.06	M27x0.75
#13-818	40X	44.4	8.00	3.30	7.0	21.0	30.0	4.0	0.45	45.06	M27x0.75
#13-819	63X	44.6	8.00	6.60	7.0	22.0	30.0	4.0	0.30	45.06	M27x0.75
#13-820	100X	43.9	10.70	3.20	7.1	19.0	30.0	3.9	0.97	45.06	M27x0.75
#13-821	100X OIL	44.7	9.00	5.70	7.0	19.0	30.0	4.0	0.22	45.06	M27x0.75

Accessories

Note: Compatible accessories for individual stock numbers may vary. If unsure about which accessories work with your products, please contact us [here](#).

	Title	Compare	Stock Number	Price	Buy
MORE+	Push & Click Filter Cube		#72-214	C\$464.80 Request Quote	5 In Stock <input type="text" value="1"/>
MORE+	1X ZEISS Tube Lens		#13-828	C\$350.00 Request Quote	5 In Stock <input type="text" value="1"/>

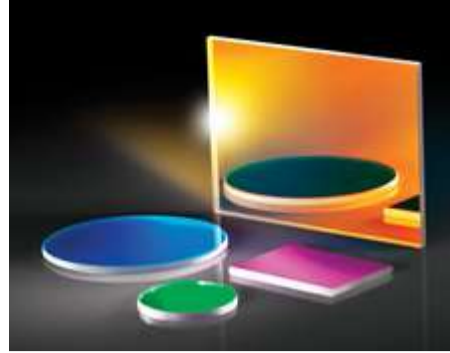
Related Products



Fluorescence Bandpass Filters



Hard Coated OD 4.0 10nm Bandpass Filters



Dichroic Longpass Filters



C, S, and T-Mount Extensions Tubes

Frequently Purchased Together



#03-625 - 30mm - 50mm Length, C-Mount Fine Focus Tube
C\$165.20

Qty



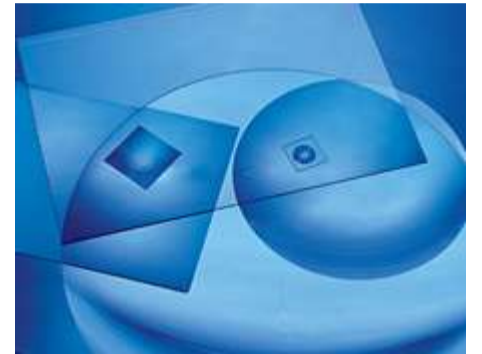
#32-923 - 40mm Dia. x 160mm FL, MgF₂ Coated, Achromatic Doublet Lens
C\$253.40

Qty



#34-521 - Polarized Stress Tester
C\$28.43

Qty



#46-394 - 2.0" x 2.0", FL -0.85", Aspheric Fresnel Lens
C\$54.60

Qty



Resources

Media Type

- Technical Tool
- Application Note
- FAQ
- Glossary
- Trending in Optics

TECHNICAL TOOL

Infinite Conjugate Tube Length

APPLICATION NOTE

Understanding Infinity Corrected Objective...

APPLICATION NOTE

Using Tube Lenses with Infinity Corrected...

? FAQ

What is an "in-line" microscope?

? FAQ

What is an infinity-corrected objective?

? FAQ

Can I use an infinity-corrected objective in ...

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