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100X ZEISS A-Plan Oil Immersion Objective

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ZEISS A-Plan Objectives



Stock **#13-821** [CONTACT US](#)

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+

C\$1,442^{.00}

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General	
421090-9902-000	Model Number:
Compatible Tube Lens Focal Length (mm): Focal Length: 164.50mm	
Microscope Objective	Type:
	Typical Applications:

Fluorescence, BrightField	
Infinity Corrected	Style:
Zeiss	Manufacturer:
Recommended Immersion Oil #86-834	Note:

Physical & Mechanical Properties

0.23	Field of View (mm):
44.70	Length excluding Threads (mm):
30	Maximum Diameter (mm):
177	Weight (g):

Optical Properties

0.17	Compatible Cover Glass Thickness (mm):
1.60	Focal Length FL (mm):
100X	Magnification:
1.25	Numerical Aperture NA:
0.22	Resolving Power (µm):
0.18	Depth of Field (µm):
0.22	Working Distance (mm):
480 - 650	Wavelength Range (nm):
23	Field Number (mm):
45.06	Parfocal Length (mm):
Oil	Immersion Liquid:

Threading & Mounting

M27 x0.75	Mounting Threads:
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Environmental & Durability Factors

+10 to +40	Operating Temperature (°C):
75% at 35°C	Operating Humidity:

Regulatory Compliance

View	Certificate of Conformance:
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Product Details

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

ZEISS A-Plan Plan Achromat 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 Plan Achromat 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 Plan Achromat 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