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# 100X ZEISS A-Plan Objective

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ZEISS A-Plan Objectives



Stock #13-820 **5 In Stock**

- 1 + £616<sup>00</sup>

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## Product Downloads

### General

**Model Number:**  
421090-9800-000

**Compatible Tube Lens Focal Length (mm):**  
Focal Length: 164.50mm

**Type:**  
Microscope Objective

Fluorescence, BrightField  
**Typical Applications:**

Infinity Corrected  
**Style:**

Zeiss  
**Manufacturer:**

## Physical & Mechanical Properties

0.23  
**Field of View (mm):**

43.90  
**Length excluding Threads (mm):**

30  
**Maximum Diameter (mm):**

164  
**Weight (g):**

## Optical Properties

0.17  
**Compatible Cover Glass Thickness (mm):**

1.60  
**Focal Length FL (mm):**

100X  
**Magnification:**

0.80  
**Numerical Aperture NA:**

0.34  
**Resolving Power ( $\mu\text{m}$ ):**

0.43  
**Depth of Field ( $\mu\text{m}$ ):**

0.97  
**Working Distance (mm):**

480 - 650  
**Wavelength Range (nm):**

23  
**Field Number (mm):**

45.06  
**Parfocal Length (mm):**

N/A  
**Immersion Liquid:**

## Threading & Mounting

M27 x 0.75  
**Mounting Threads:**

## Environmental & Durability Factors

+10 to +40  
**Operating Temperature ( $^{\circ}\text{C}$ ):**

75% at 35 $^{\circ}\text{C}$   
**Operating Humidity:**

## Regulatory Compliance

[View](#)  
**Certificate of Conformance:**

## 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