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# 100X ZEISS A-Plan Objective

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ZEISS A-Plan Objectives



Stock **#13-820** **3 In Stock**

-

1

+

A\$1,232<sup>.00</sup>

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| General                                                           |               |
|-------------------------------------------------------------------|---------------|
| 421090-9800-000                                                   | Model Number: |
| Compatible Tube Lens Focal Length (mm):<br>Focal Length: 164.50mm |               |
| Microscope Objective                                              | Type:         |
| Typical Applications:                                             |               |

|                                    |                                        |
|------------------------------------|----------------------------------------|
| Fluorescence, BrightField          |                                        |
| 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:                         |
| 0.8                                | Numerical Aperture NA:                 |
| 0.34                               | Resolving Power (µm):                  |
| 0.43                               | Depth of Field (µm):                   |
| 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 x0.75                          | Mounting Threads:                      |
| Environmental & Durability Factors |                                        |
| +10 to +40                         | Operating Temperature (°C):            |
| 75% at 35°C                        | Operating Humidity:                    |
| Regulatory Compliance              |                                        |
| <a href="#">View</a>               | 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 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.  | P.F.L. | 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         |