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Applications

- > Biomedical Applications
- > Materials Applications

Microscopes

- > Upright microscopes
- > Inverted microscopes
- > Stereomicroscopes
- > Zoom Microscopes

Computers

- > Computers

Software

- > AxioVision Software
- > ZEN Software

Accessories

- > Accessories

Tools

- > Camera Assistant
- > Filter Assistant
- ▣ Objective Assistant

Further Products

- > Service

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Carl Zeiss Microscopy, LLC
One Zeiss Drive
Thornwood, NY 10594
United States

micro@zeiss.com
+1 800 233 2343

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Objective Assistant

→ Italiano → Español

→ Objective Assistant → List of Objectives

Print

Objective data

PDF Brochure: Objectives from Carl Zeiss (5 MB)

Objective Class: Plan-Apochromat SF25

Best field flattening, best correction, confocal microscopy



→ Transmittance curve

Objective alpha Plan-Apochromat 100x/1,46 Oil DIC M27

420792-9800-000

Basket

| | |
|---------------------------|---------------------------------------|
| Price | → Price |
| Magnification | 100x |
| Numerical Aperture | 1.46 |
| Working Distance [mm] | 0.11 |
| Coverglass Thickness [mm] | 0.17 |
| Thread Type | M27x0.75 |
| Immersion | Oil |
| Field of View [mm] | 25 |
| Parfocal Length [mm] | 45.06 |
| Long Distance (LD) | |
| Correction Ring (Korr) | |
| Iris (Iris) | |
| Optical System | Infinity Color Corrected System (ICS) |
| Flatness | ★★★★★ |
| Color Correction | ★★★★★ |

Biomedical Applications

| | |
|------------------------------------------|-------|
| Fluorescence | ■ |
| - Multichannel | ★★★★★ |
| - Ultraviolet Transmission | ★★★★ |
| - Infra Red Transmission | ★★★★ |
| BrightField (H) | ■ |
| Differential Interference Contrast (DIC) | ★★★★★ |
| High Contrast DIC (HC DIC) | |
| PlasDIC Contrast | |
| Phase Contrast (PH) | |
| VAREL Contrast | |
| Hoffman Modulation Contrast (HMC) | |
| Polarization Contrast (POL) | |

Materials (Reflected Light) Applications

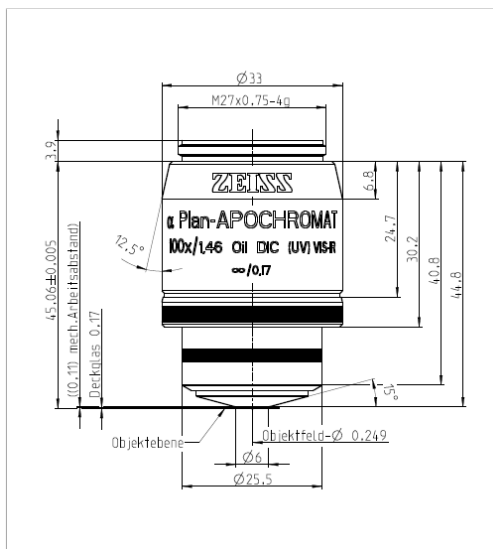
| | |
|-----------------------------------------------|-------|
| BrightField (H) | |
| BrightField/DarkField (HD) | |
| Reflected Light DIC (RL DIC) | |
| High Contrast DIC (HC DIC) | |
| DIC with circular polarized light (C-DIC) | |
| Total Interference Contrast (TIC) | |
| Polarization Contrast (POL) | |
| Options | |
| Confocal Microscopy | ■ |
| - Ultra Violet | ★★★★ |
| - VIS (visible light) | ★★★★★ |
| NLO-IR / 2 Photon | ★★★★ |
| Total Internal Reflection Fluorescence (TIRF) | ■ |

Objective alpha Plan-Apochromat 100x/1,46 Oil DIC M27



(WD=0.10mm), (UV)VIS-IR, incl. Immersol 518 F, oiler 20ml and Cover glasses, high performance, D=0.17mm, box with 100 pc.

Mechanical Dimensions

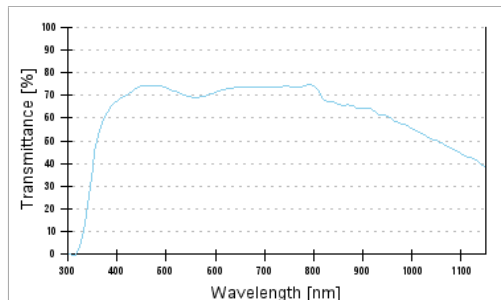


All measures in [mm]

mech. Arbeitsabstand = mechanical working distance
Deckglas = cover glass
Objektbene = object plane
Objektfeld = object field
Ausleuchtung = illumination
Probenzugänglichkeit = specimen accessibility

Transmittance curve

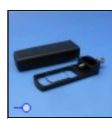
| | |
|-----------------|--|
| ApoTome | |
| Microdissection | |



Please note that due to production tolerances, the given values are typical only and not guaranteed.

Fitting Accessories for
420792-9800-000 Objective alpha Plan-Apochromat 100x/1,46 Oil DIC M27

DIC sliders



DIC slider PA 100x/1.46 III
Order Number: 426963-0000-000

[Price](#)

[Compatibility](#) [Basket](#)

The contents of the basket can be:
 + ordered online
 + printed as a fax order
 + requested as a written quotation
 + saved as a shopping list

Other Accessories



Adapter 30mm with optics and DIC slider mount
Order Number: 424516-9040-000
for adaptation of objectives M27 with parfocal length of 45 mm

[Price](#)

Note: This item is no longer available.

[Compatibility](#)



Adapter 30mm with optics and DIC slider mount
Order Number: 424516-9041-000
for adaptation of objectives M27 with parfocal length of 45mm

[Price](#)

[Compatibility](#) [Basket](#)



Cover glasses, high performance, D=0.17mm, box with 1000 pc.
Order Number: 474030-9000-000
Size 18x18 mm² type 1 1/2 H as per ISO 8255-1 with restricted thickness-related tolerance D=0.17 mm +/- 0.005 mm refractive index ...

[Price](#)

[Compatibility](#) [Basket](#)



Objective heater 25.5/33 S1 (D)
Order Number: 411860-9065-000
- with oil discharge channel - clamping via front dia. 25.5 mm - max. objective dia. 33 mm - temperature range of room temperature ...

[Price](#)

[Compatibility](#) [Basket](#)



Objective heater 25.5/33 with oil discharge channel
Order Number: 000000-1272-645
clamping via front dia. 25.5 mm, max. objective dia. 33 mm

[Price](#)

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Objective ring ACR for objective sleeve conical short
Order Number: 424509-0000-000

[Price](#)

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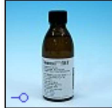
Immersion

Box of lens cleaning paper (300 sheets)
Order Number: 462975-0000-000



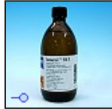
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Immersion oil Immersol 518 F fluorescence free, bottle 100 ml
Order Number: 444962-0000-000
(ISO 8036-1/2, ne=1.518 (23°C), halogen-free)

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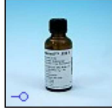
Immersion oil Immersol 518 F fluorescence free, bottle 250 ml
Order Number: 444963-0000-000
(ISO 8036-1/2, ne=1.518 (23°C), halogen-free)

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Immersion oil Immersol 518 F fluorescence free, bottle 500 ml
Order Number: 444964-0000-000
(ISO 8036-1/2, ne=1.518 (23°C), halogen-free)

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Immersion oil Immersol 518 F fluorescence free, oiler 20 ml
Order Number: 444960-0000-000
(ISO 8036-1/2, ne=1.518 (23°C), halogen-free)

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