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Objective Assistant
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Objective data

[PDF Brochure: Objectives from Carl Zeiss \(5 MB\)](#)

Objective Class: Plan-Apochromat SF25
 Best field flattening, best correction, confocal microscopy →



Objective Plan-Apochromat 63x/1.40 Oil DIC M27
 420782-9900-000

Price	→ Price
Magnification	63x
Numerical Aperture	1.4
Working Distance [mm]	0.19
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

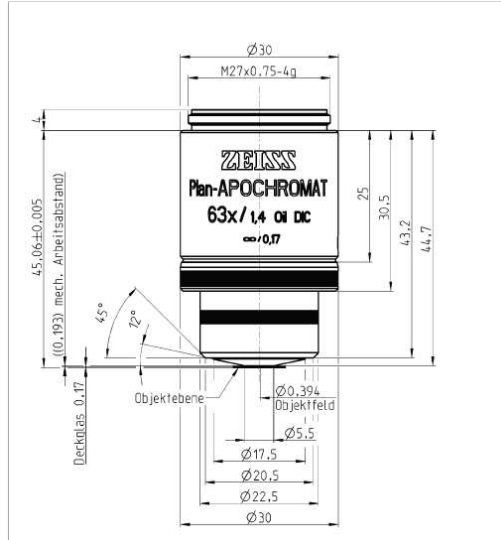
BrightField (H)	
BrightField/DarkField (HD)	
Reflected Light DIC (RL DIC)	
High Contrast DIC (HC DIC)	
DIC with circular polarized light (C-DIC)	
Total Interference Contrast (TIC)	
Polarization Contrast (POL)	
Options	
Confocal Microscopy	■
- Ultra Violet	★★★★
- VIS (visible light)	★★★★★
NLO-IR / 2 Photon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

Objective Plan-Apochromat 63x/1.40 Oil DIC M27



(WD=0.19mm), incl. Immersol 518 F, oiler 20ml and Cover glasses, high performance, D=0.17mm, box with 100 pc.

Mechanical Dimensions

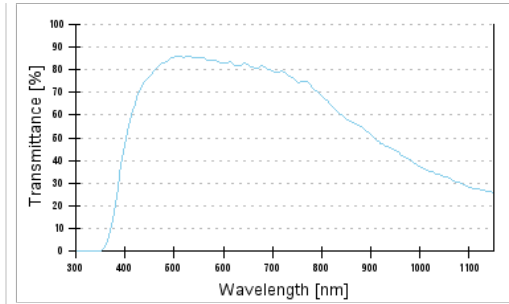


All measures in [mm]

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

Transmittance curve

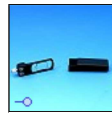
ApoTome	
Microdissection	



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

Fitting Accessories for
420782-9900-000 Objective Plan-Apochromat 63x/1.40 Oil DIC M27

DIC sliders



DIC slider PA 63x/1.4 HC II
Order Number: 426952-0000-000

[Price](#)

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



DIC slider PA 63x/1.40 III
Order Number: 426957-0000-000

[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

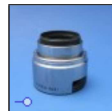


Adapter 30mm with optics and DIC slider mount
Order Number: 424516-9040-000
for adaptation of objectives M27 with parfocal length of 45 mm

Note: This item is no longer available.

[Price](#)

[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](#)

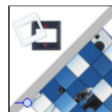
[Compatibility](#) [Basket](#)



Immersion suction ring d=22.5 (10 pcs.)
Order Number: 444822-0000-000

[Price](#)

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



Objective heater 22.5/32.5 S1 (D)
Order Number: 411860-9063-000
- with oil discharge channel - clamping via front dia. 22.5 mm - max. objective dia. 32.5 mm - temperature range of room temperaturu ...

Note: This item is no longer available.

[Price](#)

[Compatibility](#)



Objective heater 22.5/32.5 with oil discharge channel
Order Number: 000000-1116-073
clamping via front dia. 22.5 mm, max. objective dia. 32.5 mm

Note: This item is no longer available.

[→ Price](#) [Compatibility](#)

Objective heater 22.5/34 S1 (D)
Order Number: 411860-9064-000
 - with oil discharge channel - clamping via front dia. 22.5 mm - max. objective dia. 34 mm - temperature range of room temperature ...

[→ Price](#) [Compatibility](#) [Basket](#)

Objective ring ACR for objective sleeve cylindrical short
Order Number: 424508-0000-000

[→ Price](#) [Compatibility](#) [Basket](#)

Temperable Objective Ring 22.5/32.5 mm S1 (D)
Order Number: 411882-9081-000
 clamping via front dia. 22.5 mm, max. objective dia. 32.5 mm

[→ Price](#) [Compatibility](#) [Basket](#)

Immersion

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

[→ Price](#) [Compatibility](#) [Basket](#)

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)

[→ Price](#) [Compatibility](#) [Basket](#)

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)

[→ Price](#) [Compatibility](#) [Basket](#)

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)

[→ Price](#) [Compatibility](#) [Basket](#)

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)

[→ Price](#) [Compatibility](#) [Basket](#)

