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Objective Assistant

→ 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 →

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 → Transmittance curve	Objective Plan-Apochromat 63x/1.40 Oil M27
	420780-9900-000
	<input type="button" value="Basket"/>
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)	

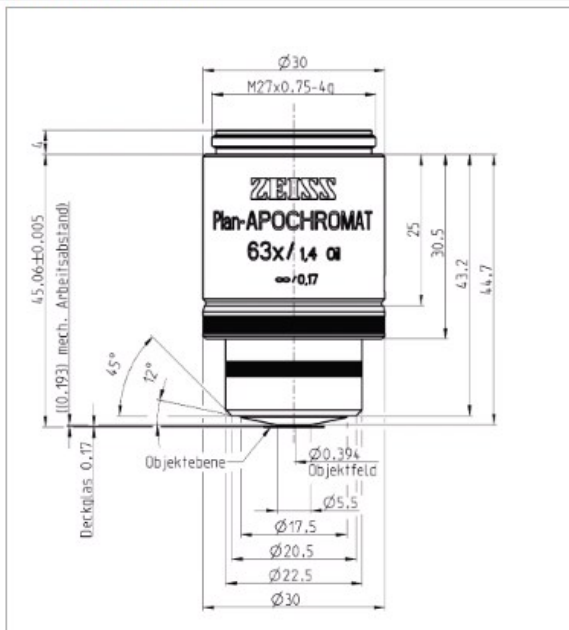
Options

Objective Plan-Apochromat 63x/1.40 Oil M27



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

Mechanical Dimensions



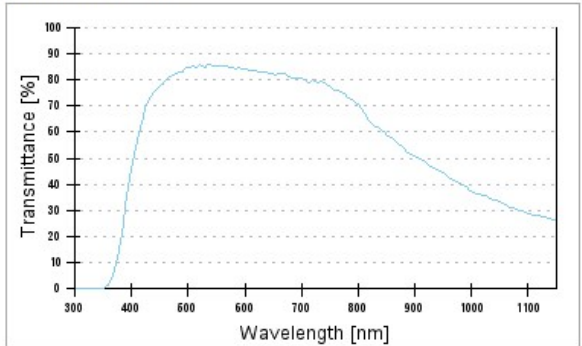
All measures in [mm]

mech. Arbeitsabstand = mechanical working distance
 Deckglas = cover glass
 Objektebene = object plane
 Objektfeld = object field
 Ausleuchtung = illumination

Confocal Microscopy	■
- Ultra Violet	★ ★ ★
- VIS (visible light)	★ ★ ★ ★ ★
NLO-IR / 2 Photon	★ ★
Total Internal Reflection Fluorescence (TIRF)	
ApoTome	■
Microdissection	

Probenzugänglichkeit = specimen accessibility

Transmittance curve



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

Fitting Accessories for

420780-9900-000 Objective Plan-Apochromat 63x/1.40 Oil M27

Other Accessories



Adapter 30mm with optics and DIC slider mount

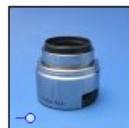
Order Number: 424516-9040-000

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

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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 temperatu ...

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 ...



The contents of the basket can be:

- + ordered online
- + printed as a fax order
- + requested as a written quotation
- + saved as a shopping list

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

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**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

Note: This item is no longer available.

[→ Price](#) [Compatibility](#)

**Transmission grid H1 ApoTome for Axio Imager**
Order Number: 423662-0000-000

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**Transmission grid PH "ApoTome"**
Order Number: 000000-1151-001
for Axioplan 2


Note: This item is no longer available.

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**Transmission grid VH ApoTome**
Order Number: 000000-1151-002
for Axio Observer and Axiovert 200

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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)

[→ Price](#)

Compatibility

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