



Objective Assistant

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Objective data

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

Objective Class: EC Plan-Neofluar

Best universal objectives, ideal for fluorescence, high transmission →

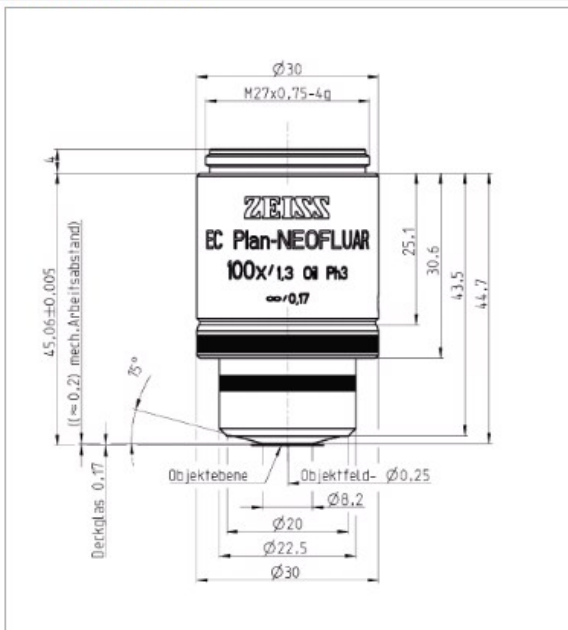
	Objective EC Plan-Neofluar 100x/1.30 Oil Ph3 M27
	420491-9910-000
	<input type="button" value="Basket"/>
Price	→ Price
Magnification	100x
Numerical Aperture	1,3
Working Distance [mm]	0,20
Coverglass Thickness [mm]	0,17
Thread Type	M27x0,75
Immersion	Oil
Field of View [mm]	25
Parfocal Length [mm]	45,06
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)	Ph 3
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 EC Plan-Neofluar 100x/1.30 Oil Ph3 M27



(WD=0.20mm), 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

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Brock & Michelsen A/S
 Blokken 76
 DK-3460 Birkerød
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+45 7015 7015

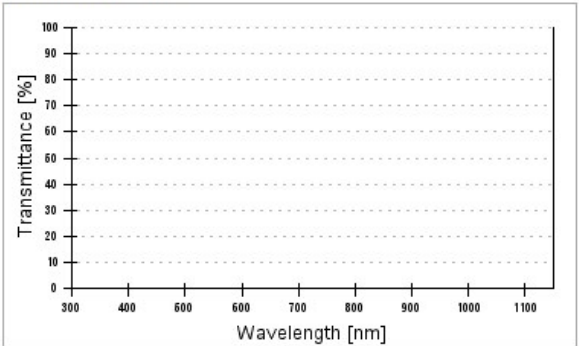
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Confocal Microscopy	■
- Ultra Violet	★★★★
- VIS (visible light)	★★★★
NLO-IR / 2 Photon	★★
Total Internal Reflection Fluorescence (TIRF)	
ApoTome	
Microdissection	■

Probenzugänglichkeit = specimen accessibility

Transmittance curve



No transmittance data available.

Fitting Accessories for 420491-9910-000 Objective EC Plan-Neofluar 100x/1.30 Oil Ph3 M27

Other Accessories

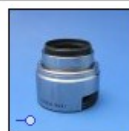


Adapter 30mm with optics and DIC slider mount
Order Number: 424516-9040-000
 for adaptation of objectives M27 with parfocal length of 45 mm

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

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 temperature ...

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

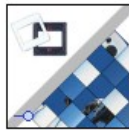
Compatibility

Basket



The contents of the basket can be:

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

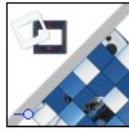


Objective ring ACR for objective sleeve cylindrical long
Order Number: 424511-0000-000

[→ 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](#)

Note: This item is no longer available.

[Compatibility](#)

Immersion

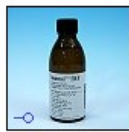


Box of lens cleaning paper (300 sheets)
Order Number: 462975-0000-000

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[Compatibility](#)

[Basket](#)

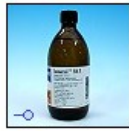


Immersion oil Immersol 518 F fluorescence free, bottle 100 ml
Order Number: 444962-0000-000
(ISO 8036-1/2, ne=1.518 (23°C), halogen-free)

[→ Price](#)

[Compatibility](#)

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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)

[→ Price](#)

[Compatibility](#)

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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)

[→ Price](#)

[Compatibility](#)

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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](#)

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