## Objective EC Plan-Neofluar 40x/1.30 Oil DIC M27

**Brochure: Objectives from Carl Zeiss (5 MB)**

**Objective Class:** EC Plan-Neofluar
Best universal objectives, ideal for fluorescence, high transmission

### Objective EC Plan-Neofluar 40x/1.30 Oil DIC M27

<table>
<thead>
<tr>
<th>Price</th>
<th>420462-9900-000</th>
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</thead>
</table>

**Basket**

### Mechanical Dimensions

All measures in [mm]

#### Transmittance curve

**Transmittance curve**

### Biomedical Applications

<table>
<thead>
<tr>
<th>Application</th>
<th>Details</th>
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</thead>
<tbody>
<tr>
<td>Fluorescence</td>
<td>★★★★</td>
</tr>
<tr>
<td>Multichannel</td>
<td>★★★★</td>
</tr>
<tr>
<td>Ultraviolet Transmission</td>
<td>★★★★★</td>
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<tr>
<td>Infra Red Transmission</td>
<td>★★★★★</td>
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</tbody>
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### Materials (Reflected Light) Applications

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<tr>
<td>BrightField (H)</td>
<td>★★★★</td>
</tr>
<tr>
<td>Differential Interference Contrast (DIC)</td>
<td>★★★★</td>
</tr>
<tr>
<td>High Contrast DIC (HC DIC)</td>
<td>★★★★</td>
</tr>
<tr>
<td>PlasDIC Contrast</td>
<td>★★★★</td>
</tr>
<tr>
<td>Phase Contrast (PH)</td>
<td>★★★★</td>
</tr>
<tr>
<td>VAREL Contrast</td>
<td>★★★★</td>
</tr>
<tr>
<td>Hoffman Modulation Contrast (HMC)</td>
<td>★★★★</td>
</tr>
<tr>
<td>Polarization Contrast (POL)</td>
<td>★★★★</td>
</tr>
</tbody>
</table>

### Objective Data

- **Objective Class:** EC Plan-Neofluar
- **Transmission curve:**
- **Objective EC Plan-Neofluar 40x/1.30 Oil DIC M27**
- **Price:** 420462-9900-000
- **Magnification:** 40x
- **Numerical Aperture:** 1.3
- **Working Distance [mm]:** 0.21
- **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:** ★★★★
- **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):** ★★★★

### Additional Information

- **Immersion Oil:** Immersol 518 F, oiler 20ml and Cover glasses, high performance, D=0.17mm, box with 100 pc.

Delivery is free.
Polarization Contrast (POL)

Options

Confocal Microscopy
- Ultra Violet
- VIS (visible light)

NLO-IR / 2 Photon

Total Internal Reflection Fluorescence (TIRF)

ApoTome

Microdissection

Mechanical Working Distance
Cover Glass
Object Plane
Object Field
Illumination
Specimen Accessibility

Transmittance curve

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

Fitting Accessories for
420462-9900-000 Objective EC Plan-Neofluar 40x/1.30 Oil DIC M27

DIC sliders

DIC slider EC Plan-Neofluar 40x/1.30 III, PA 40x/0.95 III
Item Number: 426944-0000-000
DIC slider EC Plan-Neofluar 40x/1.30 III, PA 40x/0.95 III

Other Accessories

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

Price
Compatibility
Basket

Note: This item is no longer available.

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

Price
Compatibility
Basket

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

Price
Compatibility
Basket

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

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