Objective data

**Objective Class:** EC Plan-Neofluar

Best universal objectives, ideal for fluorescence, high transmission

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transmittance curve</td>
<td>![Transmittance curve image]</td>
</tr>
<tr>
<td>Objective EC Plan-Neofluar 40x/0.75</td>
<td>440350-9903-000</td>
</tr>
<tr>
<td>Price</td>
<td>![Price button]</td>
</tr>
<tr>
<td>Magnification</td>
<td>40x</td>
</tr>
<tr>
<td>Numerical Aperture</td>
<td>0.75</td>
</tr>
<tr>
<td>Working Distance [mm]</td>
<td>0.71</td>
</tr>
<tr>
<td>Coverglass Thickness [mm]</td>
<td>0.17</td>
</tr>
<tr>
<td>Thread Type</td>
<td>W0.6x1/36˚</td>
</tr>
<tr>
<td>Immersion</td>
<td>Without Immersion</td>
</tr>
<tr>
<td>Field of View [mm]</td>
<td>25</td>
</tr>
<tr>
<td>Parfocal Length [mm]</td>
<td>45.06</td>
</tr>
<tr>
<td>Long Distance (LD)</td>
<td></td>
</tr>
<tr>
<td>Correction Ring (Korr)</td>
<td></td>
</tr>
<tr>
<td>Iris (Ws)</td>
<td></td>
</tr>
<tr>
<td>Optical System</td>
<td>Infinity Color Corrected System (ICS)</td>
</tr>
<tr>
<td>Flatness</td>
<td>![Flatness rating]</td>
</tr>
<tr>
<td>Color Correction</td>
<td>![ColorCorrection rating]</td>
</tr>
</tbody>
</table>

**Biomedical Applications**

- Fluorescence
  - Multichannel
  - Ultraviolet Transmission
  - Infa Red Transmission
- BrightField (H)
- Differential Interference Contrast (DIC)
- High Contrast DIC (HC DIC)
- PlastDIC 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)

**Objective EC Plan-Neofluar 40x/0.75**

(WD=0.71mm), incl. Cover glasses, high performance, D=0.17mm, box with 100 pc.
### Options

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

All measures in [mm]
- mech. Arbeitsabstand = mechanical working distance
- Deckglas = cover glass
- Objektebene = object plane
- Objektfeld = object field
- Ausleuchtung = illumination
- Probenzugänglichkeit = specimen accessibility

### Transmittance curve

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

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**Note**

Not recommended for operating of "ApoTome" with UV excitation (DAPI) on "Axioptplan" 2 imaging microscope.

### Fitting Accessories for

440350-9903-000 Objective EC Plan-Neofluar 40x0.75

**DIC sliders**

**DIC slider EC PN 40x0.75 II, EC PN 100x/1.30 III**

Order Number: 426945-0000-000

- Price

**Other Accessories**

**Adapter M 27x0.75 / W 0.8 H "0"**

Order Number: 000000-1095-168

- Price

**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

**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

**Transmission grid H1 ApoTome for Axio Imager**

Order Number: 423662-0000-000

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https://www.micro-shop.zeiss.com/?s=665525027f2742&l=en&p=us&f=o&a=v&m=s&id=440350-9903...
Transmission grid PH "ApoTome"
Order Number: 000000-1151-001
for Axoplan 2

Note: This item is no longer available.

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