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Olympus UPLAPO 60X Oil Immersion Objective

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#90-689 Olympus UPLAPO 60X Oil Immersion Objective

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General

UPLAPO60XOHR **Model Number:**

Compatible Tube Lens Focal Length (mm):
Focal Length: 180mm

Microscope Objective **Type:**

Infinity Corrected **Style:**

Olympus **Manufacturer:**

Recommended Immersion Oil [#86-834](#) **Note:**

Physical & Mechanical Properties

0.36 **Field of View (mm):**

44.75 **Length excluding Threads (mm):**

31.5 **Maximum Diameter (mm):**

169 **Weight (g):**

Optical Properties

0.13-0.19 **Compatible Cover Glass Thickness (mm):**

3.00 **Focal Length FL (mm):**

60X **Magnification:**

1.50 **Numerical Aperture NA:**

0.22 **Resolving Power (μm):**

0.19 **Depth of Field (μm):**

0.11 **Working Distance (mm):**

22 **Field Number (mm):**

45 **Parfocal Length (mm):**

Oil **Immersion Liquid:**

9.00 **Entrance Pupil Diameter (mm):**

Threading & Mounting

RMS / 20.32mm x 36 TPI **Mounting Threads:**

Regulatory Compliance

[View](#) **Certificate of Conformance:**

Japan **Country of Origin:**

Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
Phone: +91- 80-6845 0000 **Imported By:**

Product Details

- The First Plan-Corrected Achromat Objectives with NA of 1.50
- Ideal for Total Internal Reflection Fluorescence (TIRF) & SuperResolution Applications
- Enhanced Image Flatness, Light Throughput, and Chromatic Correction

Olympus High Resolution TIRF Plan Achromat Objectives are the first plan-corrected achromat objectives to achieve a numerical aperture of 1.50 using standard oil immersion. These objectives deliver superior image flatness, high light throughput, and exceptional chromatic correction across the visible spectrum. Their high NA enables enhanced resolution and contrast, critical for discerning fine structural details in demanding imaging systems. Olympus High Resolution TIRF Plan Achromat Objectives are optimized for TIRF and super-resolution techniques such as TIRF-RIM (Random Illumination Microscopy), TIRF-SIM (Structured Illumination Microscopy), and STORM (Stochastic Optical Reconstruction Microscopy), providing maximum signal efficiency while minimizing phototoxicity. These objectives are the ideal choice for researchers requiring the highest fidelity in live-cell, membrane, and single-molecule imaging applications.